

ICAO STATES TODAY

75 Years of Progress Since Chicago

Published by FCM Communications Inc. in conjunction with the International Civil Aviation Organization

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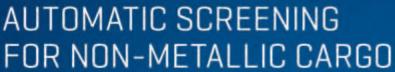
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Message from the President of the ICAO Council

Dr Olumuyiwa Benard Aliu



While 2019 is ICAO's 75th Anniversary year, and normally an occasion to appreciate the very storied and accomplished history of the international civil aviation sector, we are also using this occasion to focus our sector's attention on the issues and developments surrounding the revolutionary innovations now emerging globally in terms of new aircraft and operations.

This includes the millions of smaller drones now being operated toward a variety of new and unexpected purposes around the world today, as well as many other aircraft types which will fly higher, lower, faster, and even much slower than those we manage today.

While some of these new vehicles will do what aircraft have traditionally done – transport people and goods – many will also be providing new services which are entirely new aviation deliverables, such as internet access and other forms of communications or geolocation support.

The application of Artificial Intelligence and blockchain technology to these technologies and operations further adds to the complexity of aviation's current innovation challenges.

As aviation's standard setter, it is ICAO's role to anticipate, enable, and guide this evolution.

We must help to foster innovation in all its forms, but at the same time safeguard the basic interoperability that has made air transport such an incredible force for peace, prosperity, and economic growth in the world.

Collectively, as aviation leaders, we also have a very critical responsibility to ensure that there are sufficient numbers of skilled personnel to manage this increasingly complex technological foundation for 21st century aviation.

Underlying all of these developments is the increasing digitization of aviation systems and processes, and cutting across all of these domains we're confronted with evolving cyber threats to our ever-more digital aviation systems.

A key challenge this evolution poses for us is how to find convergent and global aviation solutions which can practically apply to divergent local challenges and developments.

By doing so ICAO will essentially be performing the same core harmonization role it was originally established for in 1944, and I am therefore reassured that we are approaching these challenges from a tried and true foundation of interoperability.

What all of these new technologies and innovations help us to appreciate is that our sector is changing, and quite profoundly, and moreover that the onus is upon all of us, as aviation leaders, to ensure this change is properly managed.

If we don't meaningfully engage the many new entrants to aviation, and address the associated risks, it could lead to a degradation in the level of safety which is the hallmark of air transport.

And it could also be destructive to the single, interoperable sky which we have worked so hard to achieve together, and which provides so many global benefits today in terms of connectivity, peace and prosperity. Very clearly, we cannot allow this, because the negative operational and socio-economic repercussions would be enormous.

As we appreciate the progress being made by ICAO Member States as contained in this latest edition of ICAO States Today, we must continue to intensify our engagement among States and industry through the *No Country Left Behind* framework.

I also wish to emphasize that innovation should not be a priority only for the developed world. In fact, developing countries stand to benefit significantly, as innovation will help them to leapfrog many legacy systems and approaches.

We have always achieved our greatest air transport progress when we have approached our challenges together, as a single and unified sector, and I could not imagine a more exciting time for ICAO to unite our States and industry partners around these very exciting developments.



Message from the Secretary General

Dr Fang Liu



It is deeply rewarding to review the continuous progress being made by so many ICAO Member States as reflected in this special 75th Anniversary Edition of ICAO States Today.

Doing so reminds me of how far air transport has come in the last 75 years, and it's important to trace that journey and appreciate the context of ICAO's essential and ongoing contributions.

The history of ICAO takes us back to the end of the Second World War, when diplomatic officials foresaw the tremendous potential of converting military air transport infrastructure to civilian use.

These visionary men and women greatly appreciated how civilian air services could permit the nations and peoples of the world to visit, appreciate, and learn from one another, and in so doing to foster new avenues for commerce and trade which would help the world become both more peaceful and more prosperous.

The Chicago Conference, and the Convention it left us with, provided a comprehensive and flexible multilateral foundation from which its signatory governments could realize this vision.

It also formalized the establishment of an International Civil Aviation Organization to help States work together to achieve the highest possible degree of uniformity in civil aviation regulations, standards, procedures, and organization.

In the 75 years since the Convention and ICAO were realized, they have been essential to helping world governments to cooperate together and share their skies to their mutual socio-economic benefit.

The achievements of ICAO's Member States have been formalized in the over 12,000 civil aviation standards which now comprise the Convention's 19 Annexes; provisions which govern the safety, security, and efficiency of civilian air travel to an extent which few areas of human endeavour have ever achieved, as well as its equable and sustainable economic development and continuously improving environmental performance.

Undoubtedly, aviation today has lived up to the dreams and expectations of the Convention's drafters, and in ways they could never have imagined. And while it remains confronted today by many new and emerging challenges – it also benefits from a wide range of opportunities in terms of how to address them.

For instance throughout our global aviation network today, and across all of our ICAO Member States, a tremendous modernization is now taking place.

New physical and regulatory infrastructure is safeguarding our key performance areas, while at the same time making our sector more vital, efficient, and responsive to the needs and expectations of modern businesses and societies.

This reminds us that we must continue to proactively seek out new entrants to the world of aircraft design and operation, so that they can be more meaningfully integrated into our existing regulatory frameworks and processes.

And those frameworks and processes themselves must also come under scrutiny, and become much more responsive than is the case today.

ICAO is already fostering the emergence of this collective vision of the future of aviation and air transport regulation, and it is a major theme of our 75^{th} anniversary celebrations this year.

As ICAO Secretary General, I am deeply encouraged that ICAO and the Convention which established it have never been more relevant than they are today, and that this new era in aviation innovation now before us holds so much hope and promise for the future of flight.

As we appreciate all that air travel has meant to the peace and prosperity of nations, and look forward to the next 75 years of international flight, I am encouraged and confident that ICAO will remain a vital and relied-upon nexus of the multilateral cooperation which remains the hallmark of sustainable air transport development.

Message from the Publisher

FCM Communications is proud to have been invited to launch ICAO STATES TODAY for the Organization's 40th Session of the Assembly in ICAO's 75th Anniversary Year. Our goal is that this publication will build on the first two ICAO STATES TODAY publications in 2014 and 2016 as timely and useful reference documents for anyone interested in the evolution and impact of air transport in each of the 193 ICAO Member States around the world.

One feature that makes this publication somewhat unique is that practically all figures were provided by States. Exceptions are World Bank figures for the Gross Domestic Product section and official ICAO figures in the Relationship with ICAO section. By using 2017 as a benchmark, our hope is that readers will keep referring to the publication as a handy reference document.

The production of such a compendium is a massive undertaking and would not have been possible without the cooperation of Member States themselves. We are also extremely grateful to the Regional Offices of ICAO for their on-going support in contacting State officials and coordinating the gathering of information. And finally, we very much appreciate the confidence and collaboration of the ICAO Headquarters team in our ability to produce a document that mirrors the status and spirit of the Organization.

When we created the ICAO STATES TODAY concept for the 70th anniversary of the Organization in 2014, we were convinced of the value of providing Member States and the world aviation community with a unique product that would reflect the value and contribution of the Organization in promoting the safety, security and sustainability of the global air transport system. We look forward to cooperating in the future on similar projects designed to respond to the evolving communications and promotional requirements of Member States and air transport industries worldwide.



Yves Allard, Publisher

Message from the Editor

What an exciting time for international aviation! Tremendous growth is forecasted around the world as affordable airline travel has enabled more people to pursue business opportunities, visit family and friends, and enjoy beautiful and lively holiday destinations. Mega-cities are developing mega-airports, some the size of small cities themselves, offering accommodations, entertainment, and of course streamlined passenger services. Air traffic control systems globally are incorporating modernised technology to enable more efficient use of the airways. Data analytics and artificial intelligence are improving elements ranging from passenger ticketing to flight training.

And there are intriguing new concepts coming closer to reality – the return of commercial supersonic flight, electric aircraft to minimise aviation's impact on the environment, autonomous flying cars for intra-urban air taxi services, and smart drones for package deliveries to the doorstep. With tremendous growth and innovation, of course, there are tremendous challenges; there are shortages already of qualified pilots, flight instructors, maintenance technicians, and other aviation professionals, which the community is ramping up to fill while continuing to emphasise competency, professionalism and safety. Regulators and industry are seeking viable pathways to manage the increased traffic while integrating the new types of small aircraft. CORSIA is putting international aviation on a path to carbon neutrality. Security diligence will always be an issue, both physical and cyber, as criminals target the highly visible and economically crucial aviation sector.

Aviation came of age during the conflict of WWI and ICAO was born in the wake of WWII; surely it will continue to rise to each new challenge and opportunity, and forge a consensus for a bold way forward. I have marvelled as I read the achievements of the individual Member States during the preparation of this new edition of ICAO STATES TODAY. Congratulations to ICAO on its 75th anniversary milestone, to each State involved in international aviation, and the many countless unsung subject experts worldwide who contribute their expertise and wisdom to ensure safe skies.



Rick Adams,



Airbus is committed to sustainability

Improving the environmental performance of commercial aviation will be critical in retaining public confidence in our activities.

We believe that by connecting billions of people across the world, air travel generates rich cultural exchanges, dialogue, partnerships and friendship, all of which enable a better and more prosperous world.

Aviation supports 65.5 million jobs worldwide, of which more than 10 million are direct. The sector generates \$2.7 trillion representing 3.6% of global GDP. More than 4 billion passengers traveled in 2018, supporting local economies with trade, jobs as well as tourism.

As a responsible company, Airbus is committed to mitigating its environmental impact and developing a more sustainable aviation sector as commercial aviation continues to grow.

The industry has a solid track record in reducing noise and emissions. In the past 60 years since the introduction of the first jet airliners, CO₂ emissions per seat kilometer have dropped by 80%, noise by 75% and NOx by 90%. At Airbus, our latest generation aircraft offer improved fuel efficiency of between 20 and 30%. The Airbus Family of aircraft has recently expanded to include the A220. Based on a clean sheet design, it incorporates advanced materials, improved aerodynamics and the latest Pratt & Whitney GTF engines that together offer a lighter and more cost-efficient aircraft to airlines worldwide.

Airbus has signed up to some tough targets. Through the Air Transport Action Group (ATAG), Airbus and its industry partners have committed to capping net aviation CO_2 emissions from 2020 (carbon neutral growth) and halving CO_2 emissions by 2050 compared to 2005.

To meet these goals, the air transport industry will concentrate on supporting the development of new technologies, improving operations and infrastructure efficiency, promoting and facilitating the development of sustainable aviation fuels (SAF), and implementing market-based measures such as CORSIA (Carbon Offsetting and Reduction Scheme for International Aviation) to support carbon neutral growth from 2020-2035.

More specifically. Airbus will continue to work towards

- · Improving the eco-efficiency of its current fleet
- · Developing electric and hybrid-electric propulsion technologies
- · Developing and deploying sustainable alternative fuels
- · Developing new eco-efficient materials
- · Investing in smart air traffic management solutions
- · Developing Research & Technology partnerships

At Airbus, we are developing exciting new technologies, accelerating the pace of innovation and updating our production system for a more sustainable aviation sector. This is our commitment so that future generations can continue to fly, break down barriers and build understanding between peoples.

Message du

Premier Ministre du Québec



Depuis maintenant 75 ans, Montréal accueille le siège de l'Organisation de l'aviation civile internationale (OACI). Ce lien historique fait de notre métropole la capitale mondiale de l'aviation civile. Voilà un statut privilégié dont nous pouvons être fiers.

Avec son positionnement stratégique en Amérique du Nord, Montréal est une métropole ouverte sur le monde qui possède tous les attraits pour satisfaire les besoins d'organisations internationales. Ce n'est pas un hasard que plus de 65 d'entre elles aient choisi d'établir leurs quartiers chez nous.

Montréal compte aussi sur une main-d'œuvre parmi les plus qualifiées au monde, entre autres dans les domaines des hautes technologies et de l'aéronautique. Ce dernier représente plus de 42 000 emplois de qualité au Québec en plus d'être notre principal secteur d'exportation, avec des entreprises de calibre mondial comme Bombardier, Airbus, General Electrics Aviation et Pratt & Whitney Canada. L'OACI peut donc bénéficier d'une collaboration étroite avec certains des plus grands experts de l'industrie aéronautique au monde.

C'est en s'appuyant sur cette relation privilégiée que partagent l'Organisation et le Québec que nous pourrons continuer de relever ensemble les grands défis de l'aviation civile, notamment celui des changements climatiques. Avec notre expertise en énergie verte, le Québec a tout ce qu'il faut pour appuyer l'OACI dans ses efforts de réduction de GES.

Je tiens donc à remercier les dirigeants de l'OACI et à féliciter tous ceux et celles qui ont contribué et qui contribuent encore à ses succès. Je souhaite à l'Organisation un heureux 75^e anniversaire ainsi qu'un avenir prospère au Québec.



Message from the

Premier of Québec

Montréal has hosted the headquarters of the International Civil Aviation Organization (ICAO) for 75 years. This historic and singular partnership has cemented the city as the world capital of civil aviation. We can indeed be proud of this privileged status.

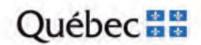
Montréal is strategically positioned in North America. It is open to the world and possesses all the attributes to satisfy the needs of international organizations. As such, it is hardly surprising that more than 65 of them have established their headquarters here.

As a technological hub, Montréal also offers some of the world's most skilled manpower, for example in the high-technology sector and the aeronautics sector, which accounts for more than 42 000 high-quality jobs in Québec and is our leading export sector. It encompasses world-class firms such as Bombardier, Airbus, General Electrics Aviation and Pratt & Whitney Canada. ICAO can thus benefit from close collaboration with some of the leading aeronautical industry experts in the world.

By relying on this privileged relation that ICAO and Québec share, we can continue to meet the key challenges in the realm of civil aviation, especially climate change. Our expertise in green energy means that Québec has what it takes to support ICAO in its GHG reduction initiatives.

I would like to thank ICAO's executive officers and congratulate everyone who has contributed and continues to contribute to its success. I extend to the International Civil Aviation Organization my best wishes on its 75th anniversary and for a prosperous future in Québec.





Message de la

Ville de Montréal



L'Organisation de l'aviation civile internationale (OACI) célèbre cette année ses 75 ans. Depuis la signature de la Convention de Chicago en décembre 1944, l'OACI assure la croissance durable du système de l'aviation civile mondial. Et la Ville de Montréal est fière d'avoir été, et de continuer d'être, pendant ces trois quarts de siècle, la ville hôte de cette prestigieuse organisation internationale.

À titre de ville onusienne et de capitale de l'aviation civile internationale, Montréal exprime un profond attachement envers l'organisation. Si Montréal est devenue une plaque tournante de l'aviation civile, et que cette industrie a connu une aussi grande évolution au fil du temps, c'est en grande partie grâce à l'apport de l'OACI qui contribue au rayonnement international de la métropole.

La présence des sièges sociaux de l'OACI, ainsi que d'entreprises et joueurs clés du domaine de l'aérospatial en sol montréalais, contribue significativement à la dynamisation et au développement économique de la région métropolitaine, qui demeure le 3º pôle manufacturier aéronautique au monde.

Aujourd'hui, je souhaite que nous prenions le temps de souligner la contribution historique de l'OACI, ainsi que le travail de ses membres qui assurent la pérennité de ses activités.

Le présent ouvrage offre non seulement un retour sur les 75 premières années d'existence de l'organisation, mais il constitue sans contredit un excellent document de référence pour les nombreuses années à venir dans le domaine évolutif qu'est celui de l'aviation civile.

Message from the

City of Montréal

The International Civil Aviation Organization (ICAO) is celebrating its 75th anniversary this year. Since the Chicago Convention was signed, in December 1944, ICAO has been ensuring the sustainable growth of the worlds' civil aviation system. And it is a source of great pride for Montréal to have been home to this prestigious organization for the past three quarters of a century.

As a UN city and capital of international civil aviation, Montréal entertains very close ties with the organization. Our metropolis has become a hub for civil aviation, an industry that has evolved substantially over the years. The city's international prominence in the field is in great part a result of ICAO's invaluable contribution.

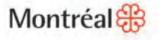
The presence of ICAO headquarters, as well as businesses and key stakeholders of the aerospace industry in our city have significantly contributed to enhancing the economic development of the metropolitan area of Montréal, which remains the third largest eronautical manufacturing centre in the world.

Today, I would like to take the time to highlight ICAO's historic contribution, as well as that of its members who work relentlessly towards building a resilient, sustainable organization.

This publication not only offers a retrospective look at ICAO's 75 years of existence, but also provides important reference material for the years to come with respect to the ever-evolving field of civil aviation.

Valérie Plante

Mairesse de Montréal / Mayor of Montréal





ICAO's anniversary emblem, a continuous platinum ribbon, symbolizes 75 years of connecting the world.

ICA0@75

"ICAO has been the beacon." That statement by IATA General Counsel Mr. Jeff Shane well summarizes the 75th Anniversary of the International Civil Aviation Organization. "ICAO has facilitated vitally important coordination among States that has enabled civil aviation to become an essential driver of global economic growth," he elaborated. "Whether we're talking about the licensing of aircraft and crew members, or the framework for global air traffic management, or the regulation of safety. ICAO has facilitated the global standard-setting essential to the stunning expansion of aviation."

The Organization and Member States are celebrating the "Diamond" anniversary in a variety of ways. One dramatic example: a team of mountain climbers hoisted the ICAO flag on Mt. Kenya, the second-highest peak in Africa at 17,057 feet.

In Montréal, ICAO is hosting an "Innovation Fair" at its Headquarters in September [22-23] Inspired by past achievements, making air transport a safe, secure and efficient mode of travel, ICAO is motivated to look toward the future with determination to continue to make aviation an enabler for the creation and preservation of friendship and understanding amongst the peoples of the world.

The objective of the Fair is to educate the civil aviation sector on the possibilities that innovation presents, and to provide insights to key decision-makers on how they can start up innovation within their own States.

"Innovation in Aviation" will also be the theme of this year's ICAO World Aviation Forum (IWAF), the same dates in Montréal.

With the support of Transport Canada, ICAO is asking world youth to submit their amazing ideas, concepts and prototypes for new aircraft types, and how they can improve or expand upon the way that powered flight serves humanity today. These new ideas can be for piloted or unmanned aircraft, of any size or shape, and there's no limit to what youth can propose for our skies, or even in outer space! There are three competition categories – for ages 6 to 12, 13 to 17, and 18-plus, with monetary prizes to the winners.

In remarks in Paris, France earlier this year, ICAO Secretary General Dr. Fang Liu said, "Aviation today is confronted by many new and emerging challenges – but also just as many opportunities. These include the safe integration of unmanned and remotely piloted aircraft operations, new commercial space flights, next-generation super- and hyper-sonic flights, and many other cutting-edge developments such as the increasing deployment of blockchain and artificial intelligence applications for air transport. Clearly we must each embrace these transformations, and prepare for them by realizing new physical and regulatory infrastructure to keep our sector vital, efficient, and fully responsive to the needs and expectations of modern businesses and societies."

CANSO Director General, Mr. Jeff Poole, noted, "The aviation world has changed considerably since 1944 and it is therefore important that regulation keeps pace with and adapts to change. Traditional airspace users now need to operate alongside and in an integrated fashion with drones, high-altitude autonomous vehicles and balloons and commercial space vehicles. Furthermore, new technologies such as space-based surveillance, digitisation of towers, automation and artificial intelligence are changing the traditional way of doing things in air traffic management (ATM). ICAO and regulators need to find new ways to move fast enough to keep up with the rapid pace of technological developments, and to allow the industry to change the way it manages airspace. The challenge is that the regulatory process and pace is different for each State and regulatory knowledge on emerging issues and technologies is also different. In September/October, at the ICAO 40th Assembly, CANSO will be presenting a range of papers on a performance-based approach to regulation. This is key to ensuring the ATM industry can take full advantage of new technologies, safely, quickly and efficiently."

Major General Thomas Carter, US Ambassador to ICAO, remarked, "Issues such as improving aviation security, or tracking aircraft lost in remote parts of the world, or attention to aircrew training and use of automation – these are all high on our scope and are examples of where we need both US and ICAO leadership.

"The visionaries who conceived the 1944 Convention on International Civil Aviation, which is the foundation of international air connectivity and ICAO itself, fully understood the imperative of placing safety as the first priority of flight, said Mr. Catalin Radu, ICAO Deputy Director, Aviation Safety. "Seventy-five years later, the international civil aviation network carries over four billion passengers annually. Thanks to the tremendous safety achievements that our industry has accomplished, they take to the skies confidently, seeking family and friends, commercial opportunities and cultural discoveries."

For us, there's only one destination. Advancing aviation standards worldwide.





At CAA International, we want to add a positive stamp to the aviation world. As the technical cooperation and training arm of the UK Civil Aviation Authority, we are committed to improving global aviation standards, and supporting affordable, sustainable development goals. We have advised governments, aviation authorities, agencies and organisations in more than 140 countries, helping ICAO Member States design, implement and maintain regulatory best practice and comply with international standards.

By helping to shape international legislation, improve operational safety performance and regulatory capacity, we're working to support the sustainable success and global confidence in aviation.





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A Brief History of ICAO

FROM THE 1910 PARIS CONFERENCE TO THE CHICAGO CONVENTION ... TO AUTONOMOUS FLYING VEHICLES AND BLOCKCHAIN.

The rapid growth of international air transport in the post-World War II era clearly demonstrated the possibilities of civil air transport.

It was evident at the time that rules to be observed by all nations, and enforced by common consent, would be essential if burgeoning international airlines were to be developed on a safe and economically sound basis.

The result was the calling together at Chicago of representatives from 52 nations at the first International Civil Aviation Conference (December 1944). This gathering of senior diplomats formalized the content and original sig-

natories to the Convention on International Civil Aviation (Chicago Convention).

The nations represented also set established a Provisional International Civil Aviation Organization, or 'PICAO'.. The PICAO Interim Council met continuously in Montréal, Canada, and the first Interim Assembly was held in in June 1946.

On 4 April 1947, sufficient ratifications to the Chicago Convention having been received, PICAO officially became known as ICAO.



The Convention on International Civil Aviation (also known as Chicago Convention) was signed on 7 December 1944.

ICAO and the United Nations

At the Chicago Conference, the drafters of the Convention on International Civil Aviation had anticipated the emergence of a United Nations (UN) type of post-war organization. Accordingly, they wrote into the Convention a provision covering the possibility of ICAO becoming a constituent of such an organization:

At the first ICAO Assembly in May 1947, Resolution A1-2 was adopted by unanimous vote of the 32 Contracting States represented, approving the agreement of relationship with the UN. Edward Pearson Warner, first president of the PICAO and the ICAO Council, signed the protocol on 3 October 1947 and ICAO became a UN specialized agency.

While ICAO remained an independent and autonomous agency, its acquisition of constituency status in the United Nations organization was a major step, which greatly benefited many of its Contracting States in the years which followed, mainly through the United Nations Programme of Technical Assistance.

Pre-ICAO Aviation Governance

Well before the Chicago Convention and ICAO were conceived, aeronautical authorities had already begun to meet internationally.

Called by a decree of the French Government and in connection with the Universal Exhibition in 1889, the first International Congress of Aeronautics met at Paris with delegates from Brazil, France, Great Britain, Mexico, Russia and the United States. It was not, however, a conference of States, since the delegates were not representative of their governments with plenipotentiary power.

In 1905, France formed the first Fédération aéronautique internationale (FAI). It was established as a non-governmental and non-profit organization to promote aeronautical and astronautical activities worldwide, particularly in the field of air sports, as well as to encourage related skills, proficiencies and safety measures.

On 25 July 1909, Louis Blériot piloted a monoplane he'd invented with a 25-horsepower engine (Blériot XI) across the English Channel from Calais, France, to Dover, England. No legal steps had been taken to authorize this flight, or its landing in a foreign country, and Blériot did not even carry an identification document.

The Comité juridique international de l'aviation, established in Paris in 1909, prepared a draft International Code

1910 Paris Conference: a debate between the concepts of 'freedom of the air' and national sovereignty extending to sky rights.

of the Air ("Code de l'air") through its national committees; the first congress of this new organization was held at Paris in 1911 and two other congresses were convoked previous to World Warl: one at Geneva in 1912; and the other at Frankfurt-am-Main in 1913.



November 1944 - The Chicago Conference in the Grand Ballroom of the Stevens Hotel.

The conference on international air law was convened in Paris in 1910 (the Conférence internationale de navigation aérienne, or International Air Navigation Conference, held at the Ministry for Foreign Affairs). The 1910 Paris Conference represented the first diplomatic effort to formulate the principles of international law relating to air navigation and was of great historical importance. Nineteen European States attended this conference (Austria-Hungary, Belgium, Bulgaria, Denmark, France, England, Germany, Italy,

Luxembourg, Monaco, Netherlands, Portugal, Romania, Russia, Serbia, Spain, Sweden, Switzerland and Turkey).

Commissions at the conference were convened on the law of nations, administrative and technical issues, customs, and on the regulation of aerial navigation, and a number of basic principles governing aviation were eventually set out in what was referred to as the Projet d'une convention internationale relative à la navigation aérienne.



First ICAO Convention, 1947, Montréal.



The technical work developed for the Paris Convention of 1910 and 1919 Paris Air Navigation Convention was insightful and comprehensive.

This draft international convention chapters foreseen to be contained within the Annexes were:

- 1) Nationality of Aircraft and Registration Requirements
- 2) Approval and Airworthiness Certificates
- 3) Authorization for Air Traffic within the Borders and above a National Territory
- 4) Regulations on Take-off, Landing and Flight
- 5) Customs and Freight
- 6) Public Aircraft
- 7) Final Provisions

The important issue of equal treatment of all civil aircraft, whether national or foreign, within usable airspace was to become the obstacle beyond which the conference was unable to progress. Thus, the cause of failure of the conference was not the impossibility of reaching agreement as to the legal status of airspace, but centered instead around political complications. Those attending the conference were divided between the concept of a 'freedom of the air' (paralleling that of the sea), and the concept of national sovereignty extending to its sky rights.

Because of the lack of success with the first Paris Convention of 1910, the problems of international aviation were essentially left to be resolved through incremental bilateral agreements until the subsequently successful 1919 Paris Air Navigation Convention was established.

While WWI had for the most part interrupted diplomatic negotiations on international civil aviation, the tremendous development of military aviation during its time period brought about a decisive change in governmental attitudes towards air transport.

A Dynamic Future

For 75 years as of 2019, the Convention on International Civil Aviation has proven flexible and effective in permitting its signatory States to share their skies to their mutual benefit. Indeed, for many countries, and especially those characterized by Landlocked and Small Island Developing State status, air transport connectivity serves as a critical economic lifeline and plays a very important role in supporting countries' efforts to achieve the 17 Sustainable Develop Goals (SDGs) adopted under the UN's Agenda 2030.

Helping governments appreciate these links between their aviation investments and overall economic potential





ICAO Council.

is a key priority for ICAO today, but in 2019 our sector finds itself confronted by a veritable revolution in what powered flight will mean to 21st century civil societies. This refers not only to the millions of smaller drones being used for an almost endless variety of purposes around the world today, but also many other aircraft types.

In 2019 our sector finds itself confronted by a veritable revolution in what powered flight will mean to 21st century civil societies.

At one end of this spectrum we'll see autonomously controlled aircraft navigating residential and urban environments to taxi us to local destinations and deliver goods. And at the other, sub-orbital planes will be moving at super- or hyper-sonic speeds, right alongside sub-orbital and commercial space transport flights. These new model aircraft will not only be transporting people and goods – they'll also be providing services which are entirely new aviation deliverables such as internet access, emergency logistics, and many others not yet dreamed of.

ICAO views this revolution more as an evolution, and recognizes that its mission and role is to anticipate, enable, and guide it. As standards setters, the Organization must nurture innovation in all its forms, but also safeguard the basic interoperability among nations which has made air transport such an incredible force for peace, prosperity and economic growth on a truly worldwide basis.

It also has a critical responsibility to ensure that there are sufficient numbers of skilled personnel to manage 21st century aviation. Achieving greater gender equality sector-wide, whether for pilots or other skills-based or managerial roles, will be critical to this objective.

Climate change and emissions reduction will perhaps be aviation's most challenging priorities going forward, as increasing numbers of global citizens place higher and higher levels of environmental scrutiny on every area of human endeavour. Even though air transport has one of the most accomplished emissions reduction records of any major industrial or transportation activity, the future will not likely see aviation being given any free passes where climate change responsibilities are concerned.

Looking ahead we should expect to see a transformative evolution in how information is exchanged and airspace is managed in the 21st century Air Traffic Management (ATM) system. Fortunately, many of these new technologies and operations will also result in decreased emissions and noise from aviation.



A concept of the future of urban aviation.

The future should also see ICAO addressing remotely piloted and autonomous aircraft through an entirely new and customized form of 'unmanned air traffic management', in response to calls from both governments and innovators for a standardized global UTM approach.

And underlying all of these developments will be the new and emerging cyber threats which confront all citizens and organizations today. ICAO itself has faced malware and other attacks of this nature, but in terms of safeguarding the day-to-day transit of tens of millions of people, the aviation sector and world governments are already hard at work on assuring and maintaining a robust and responsive cybersecurity framework.

Aviation's goal in this regard is not to prescribe what firewall someone should use, but rather to establish a comprehensive sectoral performance architecture and a secure core foundation for digital interoperability.

In today's world our digital security foundation is largely realized through 'certificated identities', and so ICAO's more specific challenge is to harmonize the identity certification process in order to protect the myriad information streams required in our network.

In a similar vein, ICAO also envisions wide-ranging Fourth Industrial Revolution applications for artificial intelligence and machine learning in air transport. Al will help us to collect and analyze real-time data on aircraft weight, route, distance, and other fuel efficiency factors, to optimize crew and fatigue management priorities, and to help avoid over-booking and other reservations challenges.

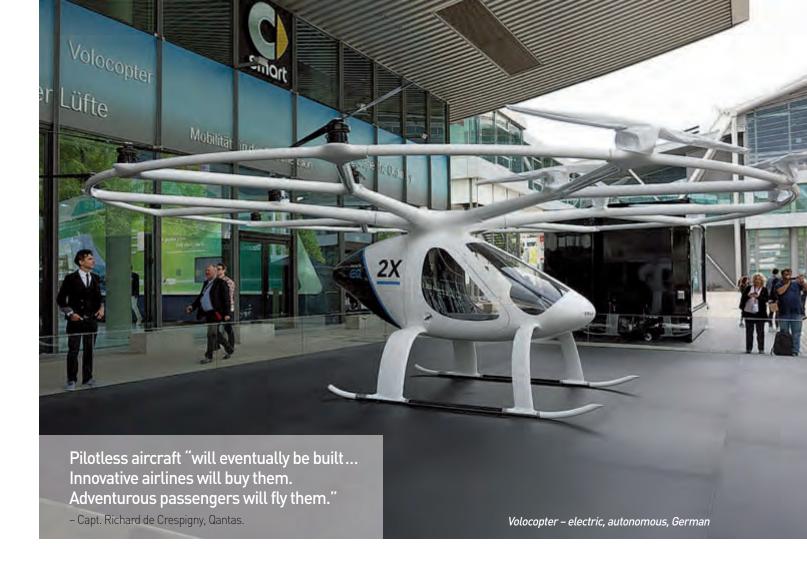
The potential inherent in these new technologies is virtually limitless for a system as complex and time-sensitive as aviation is today.

While we will all be called upon to think faster and respond more quickly than ever in the years ahead, at the same time ICAO is reassured that international aviation's built-in requirements for consensus and interoperability will protect air transport from the risks inherent in moving too quickly with nascent technologies.

The 'need for speed' is very important in today's world, but ICAO and the aviation sector will work together to make sure that being responsive and dynamic doesn't ever affect the incredible safety, security and efficiency performance which has made aviation such an incredible force for peace and prosperity wherever aircraft fly.

FUTURE OF FLIGHT

Aerion. Boom. Cora. Elevate. PopUp. Spike. Vahana. These are just a few of the emerging names which could revolutionise commercial aviation across the next generation. ICAO States Today 75 Years of Progress Since Chicago and ICAO Journal Editor Rick Adams offers an overview of the rapid pace of developments in supersonic, urban air transport, single pilot and pilotless aircraft. 20161100 ICAO STATES TODAY 75 Years of Progress Since Chicago



It's possible that this year's graduating cadre of young cadets could be the last to enjoy full, four-decade careers as traditional commercial airline pilots. By the time they are ready to retire, around 2060, pilot jobs as we currently know them will "start to become obsolete," according to Richard de Crespigny. He's the Qantas captain who led a five-pilot team that safely landed a severely crippled A380 in Singapore in 2010.

Pilotless aircraft "will eventually be built," he predicted, perhaps in production by 2040. "Innovative airlines will buy them. Adventurous passengers will fly them."

Boeing is conducting flight tests related to autonomous or reduced-crew civil aircraft in a two-year project at Moses Lake, Washington. The tests include using a modified vehicle for autonomous taxi, autonomous flight algorithms in a simulator, flight tests of an artificial intelligence (AI)-based system in a Cessna Caravan, plus engine start, pushback, taxi, manoeuver and takeoff roll using a Boeing 787 Dreamliner technology testbed. The objective is to determine if such aircraft could be operated for freight or passenger-carrying missions with the same levels of safety as current manned aircraft.

"A pilotless airliner is going to come; it's just a question of when," said James Albaugh – in 2011 when he was president and CEO of Boeing Commercial Airlines. "You'll see it in freighters first, over water probably, landing very close to the shore."

Seventeen years ago in 2002, Craig J. Mundie, then chief research and strategy officer for Microsoft (now senior advisor to the CEO), made a \$2,000 public wager with Eric Schmidt, then CEO of Google, that "by 2030, commercial passengers will routinely fly in pilotless planes." Mundie's

Will ground-based operators replace airline co-pilots?







logic was that "if we stay on this Moore's law kick – (computers) will be about 4,000 times more powerful," adding that "with computers increasingly a part of critical infrastructure, the industry is going to have to focus a lot more on making machines that just don't fail." Schmidt's contrary argument claimed "the training and timing around handling emergencies such as engine failure at rotation are not going to be transferrable to autopilots and machines."

"We are quite confident that technologically, the toolkit is filled. With respect to a commercial airplane, there is no doubt in our minds that we can solve the problem of autonomous flight," stated John Tracy, Boeing's chief technology officer, now retired, two years ago. "It's a question of certification procedures, regulatory requirements and, even more significantly, public perception."

"The future pilot will still be needed, but he or she will sit in an office flying and managing the aircraft from the ground like the drone pilots already do," said Capt. Tilmann Gabriel, chairman of the International Pilot Training Association (IPTA), which assists ICAO with expertise in developing training and simulation guidance.

Not surprisingly, many experts believe commercial airliners will never go pilotless. What happens if the computer flying the plane malfunctions? According to NASA data, an airplane system malfunction occurs on 20% of flights, Moreover, Al would follow "by the book" rulesbased judgments and might not be able to make human-

"The future pilot will still be needed, but he or she will sit in an office flying and managing the aircraft from the ground like the drone pilots already do."

Capt. Tilmann Gabriel, chairman, International Pilot Training Association (IPTA).

type "generative intelligence" decisions such as the emergency ditching in the Hudson River by Capt. Chesley Sullenberger. "Humans are particularly good at adaptive problem-solving and discovery, areas where there has been little machine intelligence progress," explained Michael Feary, a research scientist at NASA Ames Research Center.

Scenarios of "cascading failures" occur many times, noted Keith Hagy, the Air Line Pilots Association (ALPA) director of engineering and safety. "Those are the kind of abnormal situations when you really need a pilot on board with that judgment and experience and to make decisions."

A Skeptical Public

"The issue has never been could you automate an airplane and fly it autonomously?" said Dr. R. John Hansman, professor of aeronautics and astronautics at the Massachusetts Institute of Technology and Director of the MIT International Center for Air Transportation. "The issue is could you put paying customers in the back of that airplane?"

A majority of people, 54%, said they would not fly in a pilotless plane (even if the ticket price was cheaper), according to a UBS survey last year. Only 17% said they would, though this percentage increased for those with higher



London to Paris in an hour via Lilium

educations and incomes. In the 25-34 age group, 30% responded that they were very likely or somewhat likely to fly in an autonomous airliner (versus 40% who were unlikely or very unlikely to do so). In the 55-64 bracket, the unlikely group rose to 60% with only 10% likely.



Americans are far more interested with 27% very/somewhat likely to fly in a pilotless plane, compared with only 15% for respondents from the UK, France and Germany.

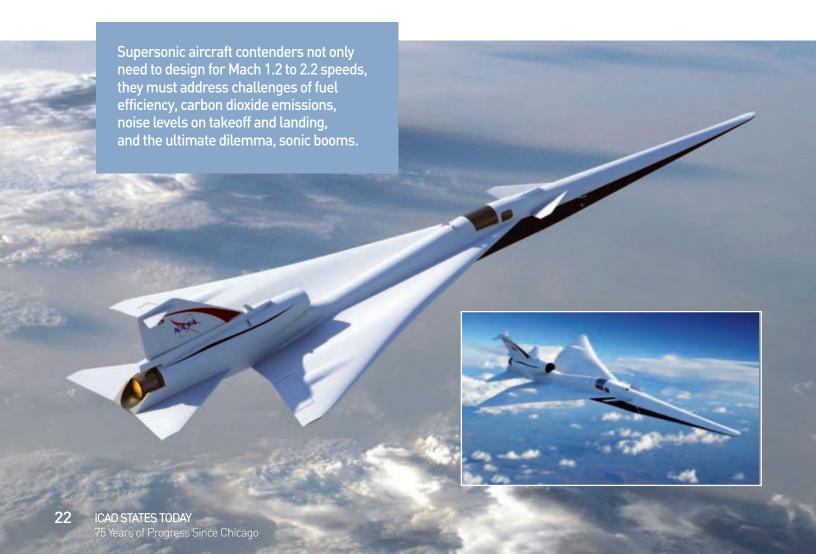
The 8,000 people surveyed are more inclined to try a driverless car (30%), though the research was conducted before a pedestrian was killed by an Uber test vehicle operating in autonomous mode. In a Travelzoo survey, 38% said they would prefer a Star Trek-style teleporter (at the moment, a fictional device).

The UBS report claimed the aviation industry could save up to \$35 billion a year by eliminating pilots in the cockpit: more than \$26 billion in pilot salaries, benefits and training costs, \$3 billion for business aviation, \$2.1 billion for civil helicopters, over \$1 billion in fuel savings from computer-driven flight optimisation, plus \$3 billion from lower insurance premiums.

How About One Pilot?

"The more disruptive approach is to say maybe we can reduce the crew needs for our future aircraft," Airbus chief technology officer Paul Eremenko said recently. "We're pursuing single-pilot operation as a potential option and a lot of the technologies needed to make that happen have also put us on the path towards unpiloted operation."

Boeing Research and Technology vice president Charles Toups said it may take a "couple of decades" to persuade passengers to take a single-pilot jet, suggesting public support for the concept would start with proliferation of self-driving cars.





"They are going to remove the co-pilot," stated Stephen Rice, a human factors professor at Embry-Riddle Aeronautical University. "The manufacturers like the idea because they can redesign the cockpit. The airlines I've spoken to like the idea because it saves costs in the same way that removing the third person from the cockpit did decades ago."

To support a single-pilot cockpit, French Air and Space Academy (AAE) and NASA Ames / Rockwell Collins research recommends a ground-based operator, much like today's military drone operators who control aircraft from half a world away. According to Jean Broquet, an AAE member and former designer of automated satellite control systems, Pilot-Ground operators (PGs), would be qualified as pilots, including holding a type rating (there goes some of those personnel and training cost savings.) The AAE estimates one PG can simultaneously manage up to five flights in short- to medium-haul operations. In the NASA "super-dispatcher" concept, a trained pilot could remotely oversee the flights of as many as a dozen airplanes at once. If an airborne pilot needed help because of equipment malfunction or medical emergency, the ground-based aviator could help fly the airplane.

The airline flight crews who participated in their singlepilot simulator-based research "weren't as negative as I thought they would be," said NASA research psychologist Walter Johnson. "They don't want to fly alone, but what I got from them was that, [with a copilot on the ground], it probably would work."

"The main issue for single-pilot operations is cybersecurity," said Joel B. Lachter, NASA computer scientist. "In order for it to be done safely, automation or ground operators would need authority to be able to step in in the case of off-nominal issues such as pilot incapacitation. If they can eliminate the cybersecurity threats surrounding those operations, I think it is feasible."

The chief executive of the International Air Transport Association (IATA), Alexandre de Juniac, said he is "not convinced by the single-pilot issue. I don't see the plus. I do see the minus."

Flying Above Traffic Jams

Mashups of technology companies, automotive companies, traditional aviation OEMs and startups are attempting to create a new market niche known as "urban air mobility" (UAM), aka "flying cars" or "flying taxis."

Google is testing a two-person, electric-powered air taxi in New Zealand known as Cora, which uses three onboard computers to calculate its flight path – no pilot necessary – with 12 lift fans for vertical takeoff and horizontal flight, and with a parachute (similar to the Cirrus fixed-wing aircraft).



Top speed 93 mph. Altitude 3,000 feet. Range 62 miles.

German startup Lilium, which has recruited key personnel from Airbus and Tesla, is touting a five-seat vertical takeoff and landing (VTOL) electric jet which could fly in excess of 180 mph and transit from London to Paris in an hour. First "functional crewed flight" is expected next year and the on-demand air taxi service by 2025.

Airbus has multiple short-haul aircraft ventures spinning up. Project Vahana from their Silicon Valley-based A3 research centre is a self-piloted single-passenger VTOL with automated obstacle detection; a production model is targeted for 2020. The CityAirbus with four ducted fans would seat 3-4, operated by a single pilot (but evolving to fully autonomous operation in the future) – look for a demonstrator and a piloted test flight in 2019. Airbus is also working with Audi on the Pop.Up Next driverless car / drone / taxi.

A Dutch company unveiled the first production model PAL-V Liberty flying car at the Geneva, Switzerland motor show. The \$615,000 two-engine, two-seater can drive up to 105 mph on three wheels or fly at 112 mph using a rearmounted propeller, traversing up to 300 miles on unleaded gasoline. Pal-V requires a short runway to takeoff and land, and operators will have to qualify as gyroplane pilots (there's an unpowered rotor which serves as a parachute).

Bell Helicopter (Fort Worth, Texas) is partnered with rideshare company Uber in a flying taxi initiative called Elevate, scheduled to debut in Dallas-Fort Worth, Los Angeles and Dubai in 2020. Initially, traditional pilots will be required, but they are hoping that "pilot augmentation technology will significantly reduce pilot skill requirements, and this

could lead to a commensurate reduction in training time," similar to an FAA light-sport pilot licence. "Not only must the FAA be convinced, but the insurers who cover the risk of the operation will need to see that pilot skill and experience requirements are reduced."

Lowering the Boom

Several commercial supersonic aircraft programs are on the drawing boards in the US, Japan and Russia, and some of the initiatives are transitioning to a flight demonstration phase. Spike Aerospace (Boston, Massachusetts) flew an unmanned subscale version of their S-512 supersonic design last October. Denver, Colorado-based Boom Supersonic's two-crew, one-third scale XB-1 "Baby Boom" demonstrator is scheduled to fly by the end of this year.



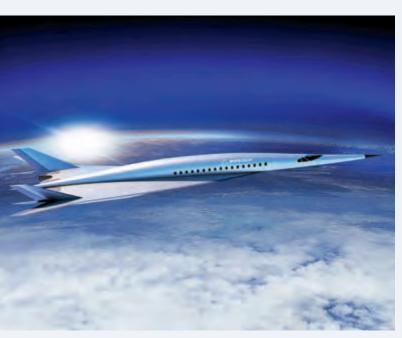
Aerion (Reno, Nevada), which has worked with Airbus, General Electric and Lockheed Martin, plans to proceed directly to full-size pre-production AS2 aircraft. All three programs are targeting flight testing and initial production aircraft deliveries in the 2021-2025 timeframe.

To get there, the contenders not only need to design for Mach 1.2 to 2.2 speeds, they must address challenges of fuel efficiency, carbon dioxide emissions, noise levels on takeoff and landing, and the ultimate dilemma, sonic booms. Even so, they may not be allowed to overfly the US because of a FAA ban on flights exceeding Mach 1 – implemented 45 years ago in 1973. The FAA is collaborating with International Civil Aviation Organization (ICAO) technical working groups on recommended standards for noise and emissions, Mach cut-off (flight conditions in which sonic booms do not reach the ground's surface) and "low boom."

Dan Nale, Gulfstream senior vice president of programs, engineering and test, believes flying a supersonic business jet will be "very similar" to flying a subsonic jet. "Modern flight controls and fly-by-wire systems do an excellent job of compensating for the aerodynamic effects of transonic and supersonic flight. Where supersonic pilots are most likely to feel the effects of speed is on their displays. Distances will shrink at a surprising rate, airborne traffic will be quickly overtaken, and pilots will have to carefully plan their arrivals and descents to effectively transition from high and fast to the terminal environment."

This article is reprinted and adapted by permission of Civil Aviation Training (CAT) magazine, Halldale Group. Rick Adams, Editor of ICAO States Today 75 Years of Progress Since Chicago and ICAO Journal, is a Fellow of the Royal Aeronautical Society (FRAeS).

TRANS-OCEAN COMMUTING AT HYPERSONIC SPEEDS



Still conceptual and decades away from being built, Boeing has stirred excitement with its hypersonic aircraft announcement.

Mach 5. 4000 miles per hour. New York to London in two hours. Tokyo to Los Angeles in three. Sydney to London, which currently takes 22-24 hours with one stop, could be reduced to only five hours.

Kevin Bowcutt, Boeing's senior technical fellow and chief scientist of hypersonics, said, "We're excited about the potential of hypersonic technology to connect the world faster than ever before. This aircraft would allow you to fly across the ocean and back in one day, which is all most people would want."

The proposed airplane concept would be larger than a business jet but smaller than a 737, ie between 20 and 100 passengers. Passengers and crew would experience a "G-force feeling" for about 12 minutes as the plane accelerates to cruising speed, and the views at the 95,000-foot cruise level (two times higher than the average airliner today) would feature the earth's curvature at the horizon.

Boeing estimates a prototype could be ready in 5-10 years and a production aircraft – including autonomous piloting – in 20 to 30 years.



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When Visiting ICAO...

Participants in ICAO meetings at the Organization's Headquarters in Montréal can take the opportunity to visit the ICAO Museum and view a wide variety of works of art donated by Member States and displayed in different locations throughout the building. A catalogue illustrating this original artwork is available for sale at the ICAO boutique.



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- Australia
- Brazil
- Cabo Verde
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- Colombia
- Conao
- Cuba
- Ecuador
- Egypt
- France
- Germany
- India
- Ireland
- Italv
- Japan

- Kenya
- Malaysia
- Mexico
- Nigeria
- Panama
- Republic of Korea
- Russian Federation
- Saudi Arabia
- Singapore
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- Spain
- Sweden
- Turkey
- United Arab Emirates
- United Kinadom
- United Republic of Tanzania
- United States
- Uruguay

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- Ghana
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- Indonesia
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- Portugal
- Qatar
- Saint Lucia
- Senegal
- Sudan
- Uganda
- Venezuela (Bolivarian Republic of)
- Zambia



The ICAO Museum was inaugurated as part of the 70th anniversary celebrations.

ICAO Member States

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Cook Islands 123	Kazakhstan 191	Portugal 204	Tanzania 54
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Democratic Republic	Lesotho 42	Saint Kitts and Nevis 267	Zambia 55
of Congo 70	LESULID 42	Can it i tito and i 1010 ZU/	Zimbabwe 56
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ICAO EASTERN AND SOUTHERN AFRICA







EASTERN AND SOUTHERN AFRICA



Mr Barry Kashambo Regional Director



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11 March 1977 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Luanda

Official Languages

Portuguese

Currency

Kwanza (AOA)

Area

1 246 700 km²

Population

25.8 million

Gross Domestic Product*

USD 124.2 billion USD 4170 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

1 349 755 passengers

International Cargo Traffic

20 573 metric tonnes

National Airlines with International Services

Foreign Airlines

12

Looking to the Future

- It is part of the Angolan State strategy for the air sector to undertake the necessary and indispensable actions to consolidate national regulation for the implementation of the Yamossoukro Decision to contribute to a progressive and sustained opening of African airspace as well as to promote the development of the single market of transport.
- The operation of the New International Airport of Luanda, as a regional reference hub, after completion of the project and its certification, will contribute to the increase of regional and intercontinental connectivity and promotion of local tourism.
- The construction and rehabilitation of Cabinda, Kuito and M'Banza Congo airports should also be completed in the next years.

Did You Know... Travel and Tourism

The Okavango-Zambezi Conservation Area is home to the biggest elephant population in the world, estimated at 250,000. It also shelters over 2,000 lions and several endangered species. The impressive natural attractions and spectacular landscapes of that region inspired the National Geographic documentary "Into the Okavango" Angola is preparing to receive the first tourists to that southern region.







28 December 1978 - Notification of adherence to the Chicago Convention

▼ Kia Traffic: Kasane Airport Traffic Control





▲ Kasane International Airport

Facts and Figures

Capital

Gaborone

Official Languages

English, Setswana

Currency

Pula

Area

602 957 km²

Population

2 million

Gross Domestic Product*

USD 17.4 billion USD 7596 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

500 421 passengers

International Cargo Traffic

6 423 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- All four major international airports Sir Seretse Khama International, Maun International, Kasane International and Francistown International - are undergoing or have already undergone major refurbishment.
 - A new state-of-the-art-building being erected at Kasane, featuring a wide range of environmental considerations, opened in February 2018.
 - In Maun, work is underway for the construction of a new terminal building.
 - The Civil Aviation Authority of Botswana intends to build an airport city around Sir Seretse Khama International Airport. This will help the airport become a vibrant commercial centre, through the controlled expansion of high-quality areas for different uses and for the local and global industry.

Did You Know... Travel and Tourism

On Botswana's far northern border lies the great Okavango Delta, one of the world's most attractive wildlife tourism destinations and a recently listed UNESCO World Heritage Site. You can take off from Maun by helicopter or light aircraft to get a bird's eye view and take some amazing photographs of the Okavango.







19 January 1968 - Notification of adherence to the Chicago Convention

▼ Drummers as symbol of the Burundian culture





▲ Burundi CAA top management team

* As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Bujumbura

Official Languages

Kirundi, French

Currency

Burundian Franc

Area

27 834 km²

Population

8.1 million

Gross Domestic Product*

USD 3.5 billion USD 320 per capita

Country Telephone Code

257

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

International **Passenger Traffic**

220 695 passengers

International Cargo Traffic

2 530 metric tonnes

National Airlines with International Services

N/A

Foreign Airlines

Looking to the Future

- In recent years, Burundi civil aviation and air transport systems have been restructuring in order to prepare for future challenges. The development of civil aviation related activities is a priority for Burundi, with the full realization that much remains to be done.
- Looking ahead, Burundi plans to enhance its airport infrastructure to cater to larger volumes of traffic and to respond to the demands of a growing business and tourism clientele.
- Among many other areas to explore, Burundi will focus on taking advantage of new technologies and modern equipment to support its commitment to a sound and future-oriented air transport system.

Did You Know... Travel and Tourism

One of the smallest countries in Africa, Burundi is landlocked and has an equatorial climate. There are two national parks, Kibira National Park to the northwest and Ruvubu National Park to the northeast. Both were established in 1982 to conserve wildlife populations.







15 January 1985 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Moroni

Official Languages

Comorian, Arabic, French

Currency

Comorian Franc

Area

2 612 km²

Population

866 501

Gross Domestic Product*

USD 648.9 million USD 797 per capita

Country Telephone Code

269

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

281 468 passengers

International Cargo Traffic

153.5 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The Comoros registered a steady increase in the number of aircraft movements, up from 5 059 in 2012 to 7 086 in 2015.
- A new terminal was added to the Prince Said Ibrahim International Airport, or AIMPSI, and two secondary airports were constructed in Bandar es Salam Mohéli and in Ouani Anjouan.
 - As part of a major investment programme for its airport and air navigation infrastructure, a new surveillance radar system was purchased in 2014 and in 2016 ASECNA inaugurated a new building to house its representation in the Comoros.
- Since 2010, the country has signed bilateral air services agreements with a number of States, including the Seychelles and Turkey.
 - •ANACM, the Agence nationale de l'aviation civile et de la météorologie, has signed an agreement with ICAO to support the implementation of the Organization's Standards and Recommended Practices, and related procedures.
 - In 2008, ANACM became autonomous, as recommended by ICAO.

Did You Know... Travel and Tourism

The mountainous islands have diverse microecologies with spectacular scenery, rare animals and exotic plants, some of which have medicinal properties unknown to western science. As a nation formed at a crossroads of many civilizations, the archipelago is noted for its diverse culture and history.







30 June 1978 - Notification of adherence to the Chicago Convention

▼ Djibouti's Lake Assal





▲ Air Djibouti's flight attendants

Facts and Figures

Capital

Djibouti City

Official Languages

French, Arabic

Currency

Djiboutian Franc

Area

23 180 km²

Population

965 598

Gross Domestic Product*

USD 1.8 billion USD 1928 per capita

Country Telephone Code

253

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

300 736 passengers

International Cargo Traffic

7 538 metric tonnes

National Airline) with International Services

Foreign Airlines

Looking to the Future

- The country benefits from a privileged maritime position between three continents (Africa, Asia, Europe); the control of Bab El Mandeb, one of the busiest corridors in the world, places Djibouti at the heart of the geostrategy of global maritime trade.
- Diibouti falls into the category of those rare states that are at the crossroads of two maritime areas on a single facade.
- Diibouti received the distinction as "World Capital of Tourism and Culture" for the year 2018.
- The economic outlook is positive, given the government's strategy to make the country a regional hub for trade, logistics and digital.
- Djibouti will acquire a new modern airport: "Chabelley".
- The Civil Aviation Authority plays a major role in the development of the aviation sector.

Did You Know... Travel and Tourism

Djibouti is strategically located near the world's busiest shipping lanes, providing access to the Red Sea and Indian Ocean.

It serves as a key refueling and transhipment center and would like to become a hub for COMESA - the Common Market for Eastern and Southern Africa.





ERITREA*

Relationship with ICAO



17 September 1993 - Notification of adherence to the Chicago Convention



* As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Asmara

Official Languages

Tigrinya, Arabic, English

Currency

Nakfa

Area

101 000 km²

Population

6.1 million

Gross Domestic Product*

USD 4.8 billion USD 915 per capita

Country Telephone Code

*Source: UNdata 2017

Air Transport Statistics

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

N/A passengers

International Cargo Traffic

N/A metric tonnes

National Airlines with International Services

N/A

Foreign Airlines

N/A

Looking to the Future

In the State of Eritrea there are two autonomous airport operators namely Asmara International Airport Management (AIAM) and Massawa International Airport Management (MIAM).

Did You Know... Travel and Tourism

Asmara boasts some of the most shining collection of colonial architectural wonders in Africa.





ESWATINI

Relationship with ** ICAO



14 February 1973 - Notification of adherence to the Chicago Convention

THE INTERNATIONAL AIRPO



Facts and Figures

Capital

Mbabane

Official Languages

SiSwati, English

Currency

Lilangeni

Area

17 364 km²

Population

1.2 million

Gross Domestic Product*

USD 4.4 billion USD 3 224 per capita

Country Telephone Code

268

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

International **Passenger Traffic**

51 633 passengers

International Cargo Traffic

161 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The Eswatini Civil Aviation Authority (ESWACAA) endeavours to make Eswatini (the new name of Swaziland as of 2018) a gateway to Africa and a link to the world.
- SWACAA is developing aviation in Eswatini through the establishment of an aviation academy and other initiatives. Matsapha Airport being converted into an aviation academy, designed to meet the demand for skilled aviation personnel, especially in the African region.
- Also, the ICAO Trainair Plus Programme, assisted by Tanzania Civil Aviation Authority instructor training courses, promotes training collaboration for providing the safe, secure, and sustainable development of global air transport.

Did You Know... Travel and Tourism

Eswatini is strategically close to Maputo and the Kruger National Park, making it accessible to the biggest tourism hubs in the region.





ETHIOPIA

Relationship with



1 March 1947 – Deposit of instrument of ratification of the Chicago Convention

▼ Meskel (Finding of the True Cross)





▲ One of the Rock-Hewn churches of Lalibela

State Facts and Figures

Capital

Addis Ababa

Official Languages

Amharic

Currency

Birr

Area

1.104 million km²

Population

102.4 million (2016)

Gross Domestic Product*

USD 80.56 billion USD 1730 per capita

Country Telephone Code

251

*Source: World Bank 2017

Air Transport Statistics

International Airports

4

Domestic Airports

18

International Passenger Traffic

7.6 million passengers

International Cargo Traffic

211 556 metric tonnes

National Airlines with International Services

1

Foreign Airlines

14

Looking to the Future

The Ethiopian Civil Aviation Authority's Training Centre has earned a TRAINAIR PLUS membership from the International Civil Aviation Organization.

Did You Know... Travel and Tourism

World Heritage Sites in Ethiopia registered by UNESCO include: the ancient city of Aksum, Fasil Ghebbi, the Fortified Historic Town of Harar Jugol, Konso Cultural Landscape, Lower Valley of the Awash, Lower Valley of the Omo, the Rock Hewn Churches of Lalibela, Simien National Park, and the Tiya carved stelae.





Relationship with ** ICAO



1 May 1964 – Notification of adherence to the Chicago Convention

Simba offered to ICAO made from recycled Beechcraft 1900c and Cessna 310





Facts and Figures

Capital

Nairobi

Official Languages

English, Kiswahili

Currency

Kenyan Shilling

Area

581 313 km²

Population

44.2 million

Gross Domestic Product*

USD 74.9 billion USD 1508 per capita

Country Telephone Code

254

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

463

International Passenger Traffic

6.4 million passengers

International Cargo Traffic

290 024 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Nenya is the largest aviation hub in East and Central Africa, with over 70 per cent of the regional aviation activity.
- Jomo Kenyatta International Airport is the leading cargo hub in Africa.
- Kenya Airways is one of the leading airlines in Africa.
- Kenya's Ministry of Transport, Housing and Urban Development, in collaboration with the World Bank, has made it possible in recent years for the Kenya Civil Aviation Authority to invest in new air navigation equipment.
- The aim is to comply with the AFI Region's Air Navigation Plan and planned ASBU requirements for Block 0, as well as to offer world-class services to the users of our airspace.
- The East African School of Aviation (EASA) is an ICAO Regional Centre of Excellence.
- EASA was the first institution in Africa to offer a Masters program in Aviation Management.
- Kenya has 1 365 aircraft in its register.
- Total passenger traffic for 2017 was 10.34 million.
- Total aircraft movements was 363 230.

Did You Know... Travel and Tourism

Kenya has in the past five years upgraded the infrastructure of many of its airports and is undertaking a major project to greatly increase the capacity of its main airport in Nairobi.

Kenya achieves Many Firsts at the Eleventh (11th) ICAO Air Services Negotiation Event (ICAN 2018)



Simba at ICAO HQ handover ceremony.

From convening delegations from 71 countries around the world to facilitating 400 signed Air Service Agreements (ASAs), to being East Africa's first to install a solar system at an international airport, Kenya achieved many firsts during the Eleventh (11th) ICAO Air Services Negotiation Event (ICAN2018), which was held in Nairobi from the 10th to 14th December, 2018.

ICAN is an annual international event convened by the International Civil Aviation Organization (ICAO) since 2008 whose aim is to provide meeting facilities for ICAO member states to conduct multiple bilateral, multilateral or pluri-lateral air services negotiations on market access in a single location.

The weeklong event was officially opened by His Excellency Uhuru Kenyatta, CGH, President of the Republic of Kenya, on December 10th, 2018 at the Kenyatta International Convention Centre (KICC). The event attracted a total of 1200 stakeholders in the aviation industry worldwide among them 550 negotiators who held a total of 480 negotiations.

While officiating ICAN2018 opening ceremony, H.E. Uhuru Kenyatta, reiterated the government of Kenya's commitment to upholding the ICAO global aviation standards and support for the principle of open borders and freer trade.

He noted, Kenya recognizes the transport sector as a facilitator and enabler of rapid economic growth, wealth creation, tourism and a source of foreign exchange. It is for this reason that the strategic plans for the various Government agencies related to aviation espouse objectives

relating to the highest levels of safety and security, adoption of appropriate modern technology and quality of airport and air navigation services, economic efficiency and competitiveness environmental balance and sustainability. Indeed, the latest report on the country's compliance with ICAO Standards and Recommended Practices (SARPS), places Kenya amongst the top quarter States globally and ranked top 5 in Africa, said H.E. Uhuru Kenyatta.

Kenya held at least 34 air service negotiations with various states from different parts of the world –, the most in Kenya's participation in the 11-year history of the ICAN conferences.

Led by Mr. James Macharia, Cabinet Secretary Ministry of Transport, Infrastructure, Housing Urban Development and Public Works, the Kenyan delegation met with Cambodia, Chile, Cabo Verde, The Bahamas, Jamaica, Jordan, Turkey, DRC, Portugal, Mozambique, UAE, USA, Saudi Arabia, Czech Republic, Democratic People's Republic of Korea, Netherlands, Luxembourg, Malaysia, Switzerland, Colombia, UK, Namibia, Dominican Republic, Iran, Italy, Qatar, Germany, Seychelles, Spain, Greece, Finland, Burkina Faso and Oman. Eight (8) air service agreements were signed with Cambodia, The Bahamas, Jamaica, Turkey, Seychelles, Greece, Finland and Burkina Faso.

The negotiations centered on review of existing air service agreements, crafting new agreements and conclusion of already ratified ones.

It is expected that these Agreements will enable airlines to expand their existing route networks by directly operating scheduled services to each other's markets. In addition, the agreements will allow airlines to offer services where they were previously unable to as well as enter into Commercial Arrangements such as Code Share Agreements.

ICAN2018 was also the first to be attended by a majority of the ICAO council members led by Dr. Olumuyiwa Benard Aliu, President of the Council of the International Civil Aviation Organization (ICAO). A total of 28 ICAO council members attended out of 36 members.

Dr. Olumuyiwa Benard Aliu, urged the ICAO member states to take advantage of the exponential growth in the sector by embracing the principles of open borders and freer trade. He said the growth in the aviation industry presents new and tremendous opportunity for global development in the coming decades.

Memorandum of Implementation (MoI) of the Yamoussoukro Decision

In line with the open skies policies, ICAN2018 provided a platform for more Single African Air Transport Market (SAATM) member states to commit to implementing the agreement to liberalize their air space. So far 15 of the 28 SAATM member states have signed the Memorandum of Implementation (MoI) of the Yamoussoukro Decision with Gambia and Mozambique having signed during the ICAN2018.

The SAATM is one of the Flagship Projects of the African Union's Agenda 2063. It will ensure that aviation plays a major role in connecting Africa in order to achieve social, economic and political integration and boost intra-Africa trade. The Yamoussoukro Decision aims to deregulate air services, and promote regional air markets open to transnational competition among countries that are signatories to SAATM

The AU vision as codified in the Yamoussoukro Decision of 1999 is for the full liberalization of air transport in Africa and the relaxation of non-physical barriers to the movement of persons, goods and services.

The Solar-at-Gate Project

While in the country, Dr. Olumuyiwa Benard Aliu also launched a solar project at Moi International Airport, Mombasa on December 12, 2018 making Kenya the first country in Africa to install a solar system at an airport to perform Ground Power Unit (GPU) functions in order to reduce aviation carbon emissions by planes during ground operations. The ground-mounted 500kW solar power generation facility will help reduce at least 1,300 tonnes of carbon emissions (CO₂) through providing pre-conditioned air and compatible electricity that runs on solar energy to aircrafts during ground operations.

Also present at the 'Solar-at-Gate' project launch, Capt. Gilbert M. Kibe, Director General of Kenya Civil Aviation Authority (KCAA) noted that the initiative enabled the implementation of Kenya's State's Action Plan for Reduction of Carbon Dioxide Emissions from Aviation.



Kenya Airways



KCAA Building

He said KCAA has been making progressive efforts to address Green House Gas (GHG) emission from Aviation with the financial, technical and strategic support of ICAO and the European Union. This pilot project was implemented by ICAO and funded by the European Union (EU) as part of a $\rm \& 6.5$ million initiative, dubbed "Capacity Building for CO $_2$ Mitigation from International Aviation. The initiative targets 14 States - 12 of them from the African region and two from the Caribbean region – to address carbon emissions in the aviation sector.

Growth Projections in the Aviation Industry

Recent trends have shown a steady growth trajectory in commercial flight volumes with no signs of slowing. Current forecasts see the numbers of passengers and operations in global air transport doubling in the coming years. It is anticipated that by the mid-2030s, more than 200,000 flights per day will take off and land all over the world.

Last year, over 4 billion passengers and 56 million tonnes of freight were carried on 37 million commercial flights. It is estimated that over 65 million jobs worldwide were generated and more than USD 2.7 trillion to global GDP. ICAN2018 provided a formidable platform of networking for all aviation stakeholders further underpinning the importance of aviation as being at the core of enabling commerce and a thriving tourism sector. Going forward, the stakeholders in the aviation industry are looking forward to enhanced global air connectivity.

Meanwhile, in order to keep pace with and adapt to emerging technologies in aviation and be able to provide the next generation of aviation professionals, the Government of Kenya through KCAA has continued to invest in **East African School of aviation (EASA)** through provision of state-of-art training facilities including 3 Dimension (3D) Air Traffic Control Simulators, Search and Rescue Simulators, Aviation Security Screening Simulators, among other initiatives.

With the award of ICAO RTCE, EASA which is also the training arm of the KCAA is poised to grow and offer the best global aviation training in both aviation safety and security related courses.





I FSOTHO

Relationship with ICAO



19 May 1975 – Notification of adherence to the Chicago Convention

Afriski mountain resort





▲ Pony trekking

Facts and Figures

Capital

Maseru

Official Languages

Sesotho, English

Currency

Maluti

Area

30 360 km²

Population

2.233 million

Gross Domestic Product*

USD 2.6 billion USD 1182 per capita

Country Telephone Code

266

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

International **Passenger Traffic**

57 409 passengers

International Cargo Traffic

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The Government of Lesotho is planning to restructure both the Department of Civil Aviation and Moshoeshoe I International Airport to separate regulation and service provision.
- The rehabilitation of Moshoeshoe I International Airport is expected to begin in 2020. Elements to be covered by the project include:
 - widening / strengthening the perimeter and access roads
 - strengthening of the runway, apron and taxiways
 - widening of the runway shoulders
 - installation of a new aeronautical ground lighting system
 - installation of runway and taxiway signs
 - improving the terminal building, featuring new airline check-in and check-out system, a new security screening system and screening machines, along with walk-through and hand-held medal detectors
 - improvements to the security of the VIP lounge
 - staff training and equipment upgrades
 - All of these upgrades are designed to enhance safety and security standards, including emergency preparedness.

Did You Know... Travel and Tourism

The Ministry of Tourism is a member of the National Facilitation and Security Committee. Lesotho Tourism Development Corporation is charged with the promotion of tourism in the country. Lesotho has all its land lying above 1 000 metres, which explains its cool and cold weather. As a result, we boast r emarkable skiing adventures here in our motherland of Africa. Exlore the Kingdom in the Sky!





Relationship with ICAO



14 April 1962 – Notification of adherence to the Chicago Convention

le stumed Madagascar fairigy da



▲ The new Ivato Airport

Facts and Figures

Capital

Antananarivo

Official Languages

Malagasy, French

Currency

MGA/Ariary

Area

587 925 km²

Population

20.7 million

Gross Domestic Product*

USD 11.5 billion USD 450 per capita

Country Telephone Code

Air Transport **Statistics**

International Airports

Domestic Airports

56

International **Passenger Traffic**

812 007 passengers

International Cargo Traffic

18 210 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- As part of the strengthening of the achievements, and to meet the target of the government, the Malagasy Civil Aviation Authority has adopted a Strategic Orientation Plan that aims to frame the air sector sustainable development. These main areas have been defined:
 - Make SAFETY the key element in air transport industry development: maintain a high level of operational safety.
 - Assist AERONAUTICAL and AIRPORT INFRASTRUCTURES to effectively support the necessary increase in both international and domestic connectivity.
 - Ensure the ability of the air transport industry to have highly qualified HUMAN RESOURCES adequate for the needs of sustainable development.
 - Strengthen the user VALUE CHAIN: support maintaining services levels in line with international standards, protect users' rights in conflicting situations and implement an effective policy to support tariffs decrease.

Did You Know... Travel and Tourism

Madagascar, also known as "the red Island," offers a rich and varied range of activities, such as authentic landscapes, adventures for hiking and trekking like in Isalo National Park, paradisiac beaches for windsurfing spots at Lavanono, the exclusivity of humpback whale watching in Sainte Marie Island, and its original handicrafts and sculpture.

^{*}Source: World Bank 2017





Relationship with ** ICAO



11 September 1964 - Notification of adherence to the Chicago Convention

Lions in Liwonde National Park





▲ Likoma Island

Facts and Figures

Capital

Lilongwe

Official Languages

Chichewa, English

Currency

Malawi Kwacha

Area

94 552 km²

Population

17 563 749

Gross Domestic Product*

USD 6.3 billion USD 338 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

International **Passenger Traffic**

427 926 passengers

International Cargo Traffic

22 775 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The State endeavours to intensify efforts in addressing major deficiences in the air transport system. Following the State's implementation of the corrective actions and successful resolution as per ICAO's significant safety concern - January 2019 - the State is continuing its momentum toward establishing an autonomous civil aviation authority (CAA).
- The State aims to create a conducive environment within the air transport sector, through review of economic regulation, that will result in private sector involvement, domestic and foreign, in the provision of services.
- The State is positioning itself to gain from the growing Meetings Incentives Conventions and Events (MICE) sector. The Bingu International Convention Centre in Lilongwe and lake shore venues at Sunbird Nkopola and Makokola Retreat, among others, offer varied facilities for conferences and events.

Did You Know... Travel and Tourism

Malawi is Africa's Newest Big5 Destination! Successes in wildlife conservation have enriched wildlife tourism and safaris. Some of the initiatives include restocking and re-introduction of big cats such as the cheetah and lions to Liwonde National Park and Majete Wildlife Reserve. Recently, Malawi was listed by a luxury travel blog as one of the top 5 destinations to see Africa's big cats.





Relationship with ICAO



30 January 1970 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Port Louis

Official Languages

English

Currency

Mauritian Rupee

Area

2 040 km²

Population

1.3 million

Gross Domestic Product*

USD 13.3 billion USD 10 547 per capita

Country Telephone Code

230

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

3.7 million passengers

International Cargo Traffic

47 074 metric tonnes

National Airlines with International Services

Foreign Airlines

24

Looking to the Future

- The Mauritius Flight information Region, a class A airspace, covers some 9 million km², including an oceanic airspace of 2.6 million km². It features ADS-C, CPDLC, extended VHF and User Preferred Route. A new Control Tower, operational toward the beginning of 2020, will improve airport safety.
- Air Mauritius the national airline, has enjoyed phenomenal growth and is one of the few consistently profitable airlines over the past decade. It has around 30 weekly flights to Europe and flies to India, the Far East, Australia, China and South Africa.

Did You Know... Travel and Tourism

Airports of Mauritius Ltd (AML) received the 2014/2015 Skytrax Leading Airport award in the Indian Ocean region and the 2014/2015 Best Airport award in the African region from Airports Council International (ACI).





MOZAMBIQUE

Relationship with ** ICAO



5 January 1977 - Notification of adherence to the Chicago Convention

▼ Nacala International Airport





▲ Quirimbas Archipelago

Facts and Figures

Capital

Maputo

Official Languages

Portuguese

Currency

Metical

Area

786 380 km²

Population

29.6 million

Gross Domestic Product*

USD 12.3 billion USD 416 per capita

Country Telephone Code

258

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

685 645 passengers

International Cargo Traffic

6 661 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Most recently the Mozambican market welcomed a new schedueled operator and the Mozambique Civil Aviation Authority is in the process of certifying one more airline, with the objective of operating regular domestic flights and in the future international flights, thus increasing passanger alternatives.
- The nation continues to negotiate more liberal air service agreements with the aim of boosting tourism, commerce and increasing connectivity, and as a member of the Single African Air Transport Market project expects there to be a greater influx of foreign airlines.
- Air transport plays and is expected to continue to play a vital role in capturing foreign direct investment, contributing to tourism and catering to the needs of the newly discovered Oil and Gas industry by means of cargo and passenger transport.

Did You Know... Travel and Tourism

Mozambique is the ultimate destination for business and pleasure. Here you can explore all the hidden charms, discover breathtaking beaches, beautiful landscapes, marine life, the amazing Big Five diving, luxury hotels and resorts. It is impossible to speak of Mozambique without mentioning the delicious gastronomy, dances and local music, its friendly people and varied handicrafts.





Relationship with ** ICAO



30 April 1991 – Notification of adherence to the Chicago Convention

▼ Camelthorn trees in Deadvlei





▲ Fish river canyon

Facts and Figures

Capital

Windhoek

Official Languages

English

Currency

Namibian Dollar

Area

823 290 km²

Population

2.3 million

Gross Domestic Product*

USD 13.2 billion USD 5 227 per capita

Country Telephone Code

264

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

International **Passenger Traffic**

293 385 passengers

International Cargo Traffic

9 236 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The Namibian Civil Aviation Authority (NCAA) was inaugurated on the 16th of November 2016 in terms of the Civil Aviation Act no. 6 of 2016, as the Sole Regulator for the Namibian Aviation Industry.
- Namibia has about 400 aircrafts on its Register, 90 percent being General Aviation aircraft.

Did You Know... Travel and Tourism

The history of this land can be found carved into rock paintings found to the south and in Twyfelfontein, some dating back to 26,000 B.C. A long lineage of various groups including San Bushmen, Bantu herdsmen and the Himba, Herero and Nama tribes, among others, have been making this rugged land home for thousands of years.





Relationship with ** ICAO



3 February 1964 - Notification of adherence to the Chicago Convention

Rwanda's volcanoes and rare silverback gorillas





▲ Aerial view of Kigali International Airport

Facts and Figures

Capital

Kigali

Official Languages

Kinyarwanda, French, English

Currency

Rwandan Franc

Area

26 338 km²

Population

12.21 million

Gross Domestic Product*

USD 9.1 billion USD 748 per capita

Country Telephone Code

250

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

810 000 passengers

International Cargo Traffic

9 000 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Rwanda is internationally known for ease of doing business:
 - A Meetings, Incentives, Conferences and Exhibitions (MICE) strategy has expanded a warm hospitality sector and unequalled customer care.
 - The Republic of Rwanda favours open sky policies through liberalization of air transport across Africa and worldwide.
- A national development strategy has earmarked aviation for major flagship projects, with an aim of replacing the landlocked status with an airlinked one.
- A new state-of-the-art Bugesera International Airport is being constructed to meet the consistently increasing aviation traffic demand.
- Rwandair, the national carrier that strictly adheres to international safety standards, has spread its route network across Africa to Europe and Asia and is planning to start flights to North America and beyond.
- Rwanda has put in place a business-friendly regulatory framework that has led to increased use of unmanned aircraft systems (UAS) in Rwanda's private sector, creating jobs and saving numerous lives by availing timely health services in terrain-constrained areas across the country.

Did You Know... Travel and Tourism

Remarkable Rwanda ... home of lions and the rare silver back gorilla, the famous Akagera National Park, the exciting Nyungwe forest visits, famous volcanoes and canopy walk outings, and unique paragliding experiences. Remarkable not just due to its wildlife and breathtaking, varied scenery, but also its unique culture.

From any country in the world, you can get an entry Visa on arrival in Rwanda.





Relationship with ICAO



25 April 1977 – Notification of adherence to the Chicago Convention

▼ Anse Source D'Argent beach





A Paradise flycatcher near his nest

Facts and Figures

Capital

Victoria

Official Languages

English, French, Creole

Currency

Seychellois Rupee

Area

455 km²

Population

95 235

Gross Domestic Product*

USD 1.5 billion USD 15 504 per capita

Country Telephone Code

248

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

923 757 passengers

International Cargo Traffic

10 544 metric tonnes

National Airlines with International Services

Foreign Airlines

13

Looking to the Future

- The Seychelles CAA has recently implemented an interactive operational safety management system, which allows for the efficient collection of safety data and reporting in a systematic and modern way, aiming to improve airport safety.
- ▶ In 2018, there was a 5% increase of flight movements in the Flight Information Region, a total of 21,740.
- At the most recent Air Services Negotiation Conference, Seychelles met 23 countries and signed eight air services agreements with these countries: Kenya, Bahamas, Greece, Saudi Arabia, Switzerland, Turkey, Rwanda and Jamaica.

Did You Know... Travel and Tourism

- Seychelles boasts 115 islands, 42 inner granitic islands and 73 outer coraline islands.
- The Anse Source D'Argent beach, situated on La Digue Island, has imposing granite boulders and is one of the most photographed spots on the planet.
- The Seychelles Paradise Flycatcher is endemic to Seychelles and was restricted only to the La Dique Island, where it is quite common.





Relationship with W ICAO



2 March 1964 - Notification of adherence to the Chicago Convention



* As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Mogadishu

Official Languages

Somali, Arabic

Currency

Somali Shilling

Area

637 000 km²

Population

10.5 million

Gross Domestic Product*

USD 7.4 billion USD 500 per capita

Country Telephone Code

252

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

248 775 passengers

International Cargo Traffic

N/A metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Despite experiencing civil unrest, Somalia has maintained a healthy informal economy based on livestock and money remittance.
- Major air transport projects include a new terminal for Aden Abdulle International Airport, Mogadishu, a new control tower and a civil aviation school and the extension of the runway at Egal International Airport, Hargeisa.

Did You Know... Travel and Tourism

Somalia is a potential tourism market in East Africa. It has the largest coastal belt in Africa, architectural heritage and beautiful pristine beaches, all assets for attracting tourists and vacationers.





Relationship with ICAO



1 March 1947 - Deposit of instrument of ratification of the Chicago Convention



Facts and Figures

Capital

Pretoria

Official Languages

11 official languages

Currency

Rand

Area

1 213 090 km²

Population

57.5 million

Gross Domestic Product*

USD 349.4 billion USD 6161 per capita

Country Telephone Code

Air Transport **Statistics**

International Airports

Domestic Airports

118

International **Passenger Traffic**

12.9 million passengers

International Cargo Traffic

470 000 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- South Africa's growing aviation industry has required ever-evolving regulatory developments, such as the incorporation of unmanned aircraft into the regulatory arena. Recently the country's registered remotely piloted aircraft systems (RPAS) more than doubled within a year.
- Together with the industry, the South African Civil Aviation Authority (SACAA) continues to refine safety and security strategies and has implemented a Cross-functional Accident Reduction Plan, which has seen an aircraft accident reduction rate of 48 per cent in general aviation over a five-year cycle.
- The Regulator has modernized its systems by implementing an Enterprise Business System, improving client service and oversight, reducing the risk of fraud, and enabling accurate information for real-time, scientific decision-making.

Did You Know... Travel and Tourism

On 1 October 2018 the SACAA celebrated 20 years of existence. Johannesburg's Vilakazi Street is the only street in the world where two Nobel Prize winners once resided: Dr Nelson Mandela and Archbishop Desmond Tutu. Further, South Africa has a World Heritage site, the Cradle of Humankind, and one of the seven wonders of nature - Cape Town's Table Mountain.





SOUTH SUDAN

Relationship with ICAO



11 October 2011 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Juba

Official Languages

English

Currency

South Sudanese Pound

Area

644 329 km²

Population

12.2 million

Gross Domestic Product*

USD 13.2 billion USD 1067 per capita

Country Telephone Code

*Source: UNdata 2017

Air Transport Statistics

International Airports

Domestic Airports

International **Passenger Traffic**

780 000 passengers

International Cargo Traffic

8 000 metric tonnes

National Airlines with International Services

N/A

Foreign Airlines

12

Looking to the Future

- Although currently there are no national airlines in the Republic of South Sudan, private operators provide services to regional countries such as Uganda, Ethiopia and Khartoum.
- Some 10 registered operators, with a total of about 50 aircraft, provide humanitarian flights through the UNMISS and UNHAS/WFP agencies.

Did You Know... Travel and Tourism

South Sudan's protected area of Bandingilo National Park hosts the second-largest wildlife migration in the world. Boma National Park, west of the Ethiopian border, as well as the Sudd wetland and Southern National Park near the border with Congo, provide habitat for large populations of hartebeest, kob, topi, buffalo, elephants, giraffes, and lions.





Relationship with ** ICAO



10 April 1967 – Notification of adherence to the Chicago Convention

▼ Aircraft Parking Apron





▲ Inside the new airport

Facts and Figures

Capital

Kampala

Official Languages

English, Swahili

Currency

Ugandan Shilling

Area

241 037 km²

Population

42.86 million

Gross Domestic Product*

USD 25.9 billion USD 604 per capita

Country Telephone Code

256

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

1.84 million passengers

International Cargo Traffic

62 121 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Aggressive marketing of tourism and expansion of aviation infrastructure by the Civil Aviation Authority have created confidence in air operators from different parts of the world. Scheduled airlines grew from 7 in 1991 to 19 in 2018.
- Uganda is now among the top 10 fastest-growing African markets. To consolidate and build on this position, the CAA Strategic Plan is aligned with the national Uganda Vision 2040 initiative, which calls for urgent action toward the realization of an integrated transport infrastructure network, in line with global trends. Specific projects include:
 - •Upgrade and expansion of Entebbe International Airport (EIA)
 - Automation of Entebbe International Airport, including improvement of airspace management and flight procedure designs
 - Upgrade of the air traffic control radar
 - Construction of a state of the art 100,000-tonne capacity cargo center
 - Expansion of the passenger terminal building to cater to more arriving and departing passengers
 - Expansion of aircraft parking aprons, taxiways and rehabilitation of Runway 12/30, among others

Did You Know... Travel and Tourism

Uganda was recognized by Lonely Planet Magazine as the best 2012 tourism destination, while National Geographic magazine listed Uganda among the "top 20 must-see places." Murchison Falls National Park was named as the best birding destination by the African Birding Club. CNN Travel named Kidepo National Park as a Pristine Destination, and Trip Adviser nominated the park as Africa's best.





UNITED REPUBLIC)F TANZANIA

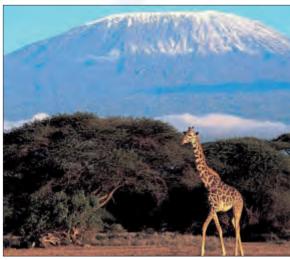
Relationship with ** ICAO



23 April 1962 – Notification of adherence to the Chicago Convention

▼ Air Tanzania





▲ Mount Kilimanjaro

Facts and Figures

Capital

Dodoma

Official Languages

Kiswahili, English

Currency

Tanzanian Shilling (TZSHS)

Area

939 701 km²

Population

57.31 million

Gross Domestic Product*

USD 52.09 billion USD 1034 per capita

Country Telephone Code

255

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

2.5 million passengers

International Cargo Traffic

25 665 metric tonnes

National Airlines with International Services

Foreign Airlines

22

Looking to the Future

- Increasing level of Effective Implementation of ICAO SARPS from 64.35 to higher results.
- Currently undertaking a 67.3 TZSHS billion (USD 29.6 million) radar installation project. Upon its completion, Tanzania will have enhanced its surveillance capacity for air traffic management. Four new state-of-the-art radars are being installed to enhance the country's capacity in air space surveillance.
- Major expansion of the country's leading airport, Julius Nyerere International Airport (JNIA), Dar es Salaam: building Terminal III with capacity to attend 6 million passengers, compared to Terminal II building which has the capacity to attend 2 million passengers per annum.
- Revival of the National Airline, Air Tanzania.

Did You Know... Travel and Tourism

Tanzania is home to three of the seven natural wonders of Africa -Kilimanjaro Mountain, Serengeti National Park and Ngorongoro Crater. Tanzania also boasts seven UNESCO World Heritage Sites: Ngorongoro Conservation Area, Serengeti National Park, Selous Game Reserve, Stone Town Zanzibar, the ruins of Kilwa Kisiwani and Songo Mnara, as well as the Kondoa rock art site.





Relationship with ICAO



30 October 1964 - Notification of adherence to the Chicago Convention

▼ Victoria Falls





▲ Ndola Airport layout

Facts and Figures

Capital

Lusaka

Official Languages

English

Currency

Kwacha

Area

752 612 km²

Population

17.9 million

Gross Domestic Product*

USD 25.8 billion USD 1510 per capita

Country Telephone Code

260

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

International **Passenger Traffic**

1.56 million passengers

International Cargo Traffic

20 000 metric tonnes

National Airlines with International Services

Foreign Airlines

16

Looking to the Future

- After receiving the ICAO Council President's Certificate in 2017, Zambia remains vigilant and committed to continuous improvement and to the implementation of ICAO Standards and Recommended Practices.
- Nenneth Kaunda International Airport (KKIA) in Lusaka has been certified, and the certification process of Harry Mwaanga International Airport in Livingstone is ongoing.
- 2 Zambia is currently undertaking a massive infrastructure development at KKIA as well as constructing a greenfield airport in Ndola, which is at an advanced stage.
- Zambia's air connectivity is almost nationwide.
- Zambia's taking of the AFCAC Presidency for the next triennium will ensure the continous strive for better national regulatory principles.

Did You Know... Travel and Tourism

Zambia was named after the 4th largest river in Africa, the Zambezi. Victoria Falls, partly located in Zambia, is a natural world wonder with a height of 108 metres. Partly located in Zambia also is the largest man-made lake, Kariba Dam on the Zambezi River. Zambia is a temporal home to the largest mammal migration on earth, the fruit bats of Kansaka.



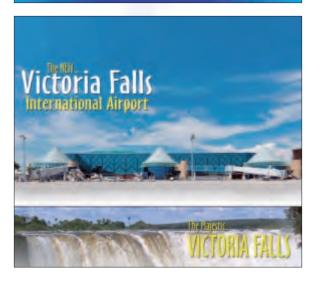


ZIMBABWE

Relationship with ** ICAO



11 February 1981 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Harare

Official Languages

16 official languages

Currency

ZWL

Area

390 757 km²

Population

16.53 million

Gross Domestic Product*

USD 17.8 billion USD 1080 per capita

Country Telephone Code

263

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

1.5 million passengers

International Cargo Traffic

17 000 metric tonnes

National Airlines with International Services

Foreign Airlines

18

Looking to the Future

- With so much renewed optimism surrounding the Zimbabwean aviation industry, the Civil Aviation Authority of Zimbabwe (CAAZ) is continuously improving airport and air navigation infrastructure.
- In 2016, CAAZ completed and commissioned the upgraded Victoria Falls International Airport. The new airport now boasts a new 4000 m long by 60 m wide runway which can accommodate aircraft in the class of the B747 or equivalent and a new state-of-the-art international passenger terminal building and a refurbished domestic passenger terminal building with a combined capacity to handle 1.5 million passengers per annum.
- The upgrading of Robert Gabriel Mugabe International Airport to increase passenger capacity from 2.5 million to 6 million passengers per annum is currently underway.

Did You Know... Travel and Tourism

Victoria Falls, a year-round natural site of exceptional beauty. is made more phenomenal in that it offers different viewing pleasures each day of the year. Known as Mosia oa Tunya, "The Smoke that Thunders", the Falls represent one of the Seven Wonders of the World and one of the largest and most spectacular waterfalls on earth.

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ICAO WEST AND CENTRAL AFRICA







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Member States – 24

- Benin
- Burkina Faso
- Cabo Verde
- Cameroon
- Central African Republic
- Chad
- Congo
- Cote d'Ivoire
- Democratic Republic of the Congo
- Equatorial Guinea
- Gabon
- Gambia

- Ghana
- Guinea
- Guinea-Bissau
- Liberia
- Mali
- Mauritania
- Niger
- Nigeria
- Sao Tome & Principe
- Senegal
- Sierra Leone
- Togo



a vivid example of a pan-African and Malagasy co-operation

he Agency for Air Navigation Safety in Africa and Madagascar (ASECNA), is a public organisation endowed with an international status, settled by 18 Member States including 17 ACP States from West & Central Africa, the Indian Ocean and France. ASECNA was founded in Saint Louis, Senegal, on 12th December 1959 and is governed by the Dakar Convention. The Agency is specially characterised by a strong willingness of Member States to share their resources in order to fulfil any activities related to the air navigation safety.

ASECNA is vested with the responsibility of cooperative management of a stanned airspace of 16.1 millions square km (1, 5 time the size of Europe), and is the major Air Navigation Services Provider in the Africa and Indian Ocean Region (AFI). As a regional and an autonomous organisation dedicated to transnational management of airspaces, ASECNA is a recognised model widely promoted by the international aviation community, with a single sky for many decades.

The Edward WARNER Prize of the International Civil Aviation Organisation (ICAO), has been awarded to ASECNA in 1972 in full recognition of all achievements in providing services.



ASECNA's main mission: air navigation safety

ASECNA's main mission is to provide air navigation services in the airspace under its responsability. It is composed of five (5) Flight Information Regions (FIRs) defined by ICAO: Antananarivo, Brazzaville, Dakar Oceanic & Terrestrial, Niamey and Ndjamena:



ASECNA area of responsibility

ASECNA's missions include the provision of services related to air traffic management (ATM), communication/navigation/surveillance (CNS), aeronautical information management (AIM), meteorological assistance to air navigation (MET) and aerodrome and ground aids (AGA)(e.g. fire fighting and rescue). These services cover en-route navigation, approach and landing phases.

ASECNA operates an ATR-42 aircraft for inflight inspections to control and monitor navigation aids, communications and radar facilities for the benefit of the aviation community far beyond its own borders (Africa and the Caribbean).

The Agency also rules three training centres, namely the African School of Meteorology and Civil Aviation (EAMAC), the Regional Training Center for Fire Fighters (ERSI) and the Regional Training Center of Air Navigation and Management (ERNAM). EAMAC focuses on the training of air traffic controllers, engineers and technicians. ERSI, a bilingual school, is responsible for the training of firemen and of their management. ERNAM is dedicated to continuous training in various areas according to the Agency needs. It also manages the ICAO Regional Aviation Security Centre (AVSEC).



Global Navigation Satellite system

As it celebrates its 60th anniversary this year, ASECNA is embarking on an ambitious programme to provide global satellite navigation services, including EGNOS (European Geostationary Navigation Overlay Service) and Galileo.

This ambition is part of a strong wish to anticipate major technological challenges resulting in a profound change services and their modes of governance.

It aims to strengthen the Agency's position as a service provider in an increasing competitive environment.

ASECNA's SBAS aims to strengthen navigation and surveillance operations during all segments of flight, thereby significantly and sustainably improving the safety and effectiveness of flights in its area of responsibility.

These services will, from 2021/2022, increase the positioning performance provided by existing satellite navigation constellations, such as GPS or Galileo.

Design of Right procedures

ASECNA has been designated by ICAO to host the Flight Procedures Design Office for the benefit of the African continent. The objective of the program is to support the implementation of safe and effective flight procedures, with a particular focus on techniques for developing PBN procedures and airspace design, particularly for approach with vertical guidance as well as Continuous Climb Operation (CCO) and Continuous Descent Operations (CDO).





Towards a single sky for Africa

Mr Mohamed MOUSSA has been appointed Director General of ASECNA from 1st January 2017 on the basis of a programme called «My Project for ASECNA».

In that context, The Director General's ambition is to bring African states closer together in order to achieve «cooperative management of airspace».

This form of management opens opportunities in the implementation of the «Single Sky for Africa» concept, which must lead to the standardization of regulations, training procedures and seamless operation throughout the Africa continent. To support this vision ASECNA has opened a Delegation at the headquarters of the African Union in Addis Ababa (Ethiopia).





Relationship with ** ICAO



29 May 1961 - Notification of adherence to the Chicago Convention



* As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Porto-Novo

Official Languages

French

Currency

CFA Franc

Area

112 622 km²

Population

9.9 million

Gross Domestic Product*

USD 9.3 billion USD 830 per capita

Country Telephone Code

229

Air Transport Statistics

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

466 588 passengers

International Cargo Traffic

7 554 metric tonnes

National Airlines with International Services

Foreign Airlines

19

Looking to the Future

- Octonou Airport has played a pivotal role in the development of air transport in Benin. Built by France to facilitate military operations, it was officially opened for that purpose on 12 January 1934. Commercial flights started in 1935.
- The first regular operation was the Cotonou-Niamey service. After World War II, Air France launched an Abidjan-Douala service via Cotonou. Many more services were later added.
- The original length of the runway was 1 050 metres, to accommodate DC-3 aircraft. It was later lengthened to 1 550 for the DC-4 and is today 2 400 metres long.
- Cotonou can now accommodate 500 000 passengers and features VIP lounges for airlines and Government officials, parking for 220 vehicles and cargo facilities.

Did You Know... Travel and Tourism

Agriculture drives economic development, with cotton as the main export. Services contribute largely to the GDP because of Benin's geographical location, enabling trade, transportation, transit and tourism activities with neighbouring States.





BURKINA FASO

Relationship with ** ICAO



21 March 1962 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Ouagadougou

Official Languages

French

Currency

CFA Franc

Area

274 000 km²

Population

16.8 million

Gross Domestic Product*

USD 12.9 billion USD 671 per capita

Country Telephone Code

226

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

531 891 passengers

International Cargo Traffic

9 436 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The National Civil Aviation Agency has formulated a number of projects in the aeronautical field:
 - Creation of a training centre for civil aviation personnel
 - Reduction of carbon dioxide emissions from air transport operations
 - Rehabilitation of secondary aerodromes
 - Development of a policy and related strategic plan for the expansion of civil aviation in the country.
- The ruins of Loropéni consist of an archaeological site located near Gaoua, in the Lobi region of the country. The tourist attraction dates to the 11th century and was recognized as a UNESCO World Heritage Site in 2009. The site was rediscovered in 1902 and is a good example of old stone buildings in West Africa. The main feature is a fortress that surrounds a city whose prosperity was built on gold. Although there is no written testimony, oral culture suggests that the site was occupied by the Koulango and their ancestors Nabé and Lohron, who controlled the extraction and processing of gold in the region, thereby ensuring the operation, production and trading of the precious metal.

Did You Know... Travel and Tourism

Laongo, not far from the capital Ouagadougou, is a major open-air exhibition site for sculptures on granite. This natural setting offers a great opportunity for African artists and visitors from around the world to create unique works of art directly on the stone and leave their mark on the landscape for all to see.





CABO VERDE

Relationship with ** ICAO



19 August 1976 - Notification of adherence to the Chicago Convention

▼ Boa Vista Island





▲ Cabo Verde brand – Islands of Morabeza

Facts and Figures

Capital

Official Languages

Portuguese

Currency

Cabo Verdean Escudo

Area

4 030 km²

Population

513 906

Gross Domestic Product*

USD 1.8 billion USD 3 210 per capita

Country Telephone Code

238

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

1.8 million passengers

International Cargo Traffic

913.6 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The Civil Aviation Authority, an independent public entity with administrative and financial autonomy, has produced major regulatory reforms focused on the implementation of ICAO Standards and Recommended Practices, particularly those relating to safety and security. Another achievement was the adoption of a liberalized air transport policy.
 - The CAA also provides a wide range of aeronautical services, including air navigation and meteorological, with heavy emphasis on cooperation with international and regional organizations for advancing the development of a sound air transport system.
- Cabo Verde participates actively in meetings of BAG, AFCAC, CAACL and ICAO, among others, promoting the liberalization of air transport through the Yamoussoukro Declaration, African Civil Aviation Policy and the creation of a single African market for aviation.
 - Contributing to this global effort is a long-term relationship with ICAO's Technical Cooperation Bureau resulting in a number of projects in the air navigation, airport and training sectors.

Did You Know... Travel and Tourism

An archipelago comprised of 10 islands, each with its own unique characteristics, Cabo Verde offers tourists multiple choices in a single trip. In Boa Vista and Sal, the two most touristic islands, one can enjoy paradisiac beaches, sun, music, diving, gastronomy and the typical Cabo Verdean hospitality known as "Morabeza." Tourism contributes 20 per cent to the GDP of Cabo Verde.





Relationship with ** ICAO



15 January 1960 - Notification of adherence to the Chicago Convention

▼ CAA Training Center, Yaounde





▲ Reunification Monument, Yaounde

Facts and Figures

Capital

Yaoundé

Official Languages

French, English

Currency

CFA Franc

Area

475 442 km²

Population

22.8 million

Gross Domestic Product*

USD 34.8 billion USD 1447 per capita

Country Telephone Code

237

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International Passenger Traffic

1.2 million passengers

International Cargo Traffic

21 000 metric tonnes

National Airlines with International Services

Foreign Airlines

17

Looking to the Future

- Developing training capacity is vital to improve the level of compliance with safety and security SARPs. In this regard, the Cameroon CAA has established a Training School since 2016 for delivering continuous training in the areas of safety, security and air transport regulation.
- The Cameroon CAA Training School has established partnerships with renowned civil aviation training centers. It intends to strengthen this cooperation with other training centers.
- With its Douala Training Center already endorsed by ICAO as an Aviation Security Training Center in 2018, the Cameroon CAA Training School has applied to become a Trainair Plus Associate Member.
- Currently under construction at the Yaoundé-Nsimalen Airport area, the new premises of the Cameroon CAA Training School will offer modernized facilities and a friendly learning environment for trainees. Commissioning of these new facilities is planned for 2020.

Did You Know... Travel and Tourism

With a height of 4,095 meters above sea level, Mount Cameroon is one of the most prominent African mountains. It is also known as "Mount Fako" or "The Chariots of the Gods," and is covered by combined savana and thick forest vegetations. Mount Cameroon hosts every year in February the Race of Hope, which consists of 41 kilometres of climb and descent over a difficult terrain.





ENTRALAFRICAN

Relationship with W ICAO



28 June 1961 – Notification of adherence to the Chicago Convention



^{*} As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Bangui

Official Languages

Sango, French

Currency

CFA Franc

Area

622 980 km²

Population

4.5 million

Gross Domestic Product*

USD 2 billion USD 418 per capita

Country Telephone Code

236

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

95 722 passengers

International Cargo Traffic

1 219 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The first international airport was inaugurated in 1947 and transferred to the suburbs of the capital in 1967.
- A modernization project of the International Banqui M'Poko Airport is in progress.
- The General Direction of Civil Aviation was created in 1999.
- The Civil Aviation National Authority was subsequently established in 2009.

Did You Know... Travel and Tourism

The country is noted for its population of forest elephants and western lowland gorillas. In the north, the Manovo-Gounda St. Floris National Park is well populated with wildlife, including leopards, lions, and rhinos.





Relationship with ICAO



3 July 1962 – Notification of adherence to the Chicago Convention

▼ Douguia tourist site





 $\hbox{\bf *} \ \, \text{As this publication went to press, updated information from the State had not yet reached}$ the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

N'Djamena

Official Languages

French, Arabic

Currency

CFA Franc

Area

1 284 000 km²

Population

12.5 million

Gross Domestic Product*

USD 10 billion USD 670 per capita

Country Telephone Code

235

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

International **Passenger Traffic**

211 557 passengers

International Cargo Traffic

16 446 metric tonnes

National Airlines with International Services

Foreign Airlines

13

Looking to the Future

- Major efforts are under way to upgrade all five international airports in order to accommodate the Boeing 747 aircraft.
- The certification process of N'Djamena Hassan Djamous International Airport is under way.
- Once the N'Djamena International Airport certification is completed, the focus will shift to the certification of the four other international airports.

Did You Know... Travel and Tourism

The Ounianga Lakes, situated in a mountainous and desert region, are classified as UNESCO World Heritage Sites. Because of this natural diversity, northern Chad has become a popular tourist area.





Relationship with ICAO



26 April 1962 – Notification of adherence to the Chicago Convention



* As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Brazzaville

Official Languages

French

Currency

CFA Franc

Area

342 000 km²

Population

4.3 million

Gross Domestic Product*

USD 8.7 billion USD 1658 per capita

Country Telephone Code

242

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

2.1 million passengers

International Cargo Traffic

28 182 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Member of the Legal Committee of ICAO.
- The modernization of the Brazzaville Maya-Maya International Airport began in 2009, with the second module inaugurated in 2014.
- The Agence nationale de l'aviation civile was created in 1978, with full legal status and financial autonomy.
- Since 2004, Congo has invested 350 billion francs (CFA) in airport infrastructure.
- Congo has three Class 'A' airports (B747/A380) and six Class 'B' airports (B737), as well as secondary airports.
- Detween 2004 and 2013, passenger traffic more than doubled.

Did You Know... Travel and Tourism

In October 1944, General De Gaulle landed at the former site of the Brazzaville Airport to attend the Conférence des forces de la France libre, attended by representative of the French colonies in Africa.





CÔTE D'IVOIRE

Relationship with ** ICAO



31 October 1960 - Notification of adherence to the Chicago Convention

▼ Air Côte d'Ivoire





▲ Basilica Yamoussoukro

Facts and Figures

Capital

Yamoussoukro

Official Languages

French

Currency

CFA Franc

Area

322 462 km²

Population

23 million

Gross Domestic Product*

USD 40.4 billion USD 1662 per capita

Country Telephone Code

225

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International Passenger Traffic

1.9 million passengers

International Cargo Traffic

24 661 metric tonnes

National Airlines with International Services

Foreign Airlines

23

Looking to the Future

- Abidjan Felix Houphouet Boigny International Airport, in Abidjan, is the best airport in the region and intends to become the hub for West Africa.
 - The airport is certified by the U.S. Transportation Security Administration.
- Côte d'Ivoire is a member of the African Civil Aviation Commission (AFCAC). the Agency for Aerial Navigation Safety in Africa and Madagascar (ASECNA), the Economic Community of West African States (ECOWAS) and the West African Economic and Monetary Union (UEMOA).
- Religious tourism. The Basilica Notre-Dame de la Paix unique in Africa - located in Yamoussoukro, as well as the hundred-year-old mosques in Kong, Kawara and Samatiguila, constitute the first choice for religious tourists.
- Seaside tourism. The Ivorian coast offers splendid beaches from Taboo to Assinie, via Grand-Bereby, San Pedro, Monogaga, Sassandra, Dagbégo, Grand-Lahou and Grand Bassam, as well as the "free beaches" of Blieron, Dawa, Taki, Menolé and Gaoulouulou, praised by excursionists.

Did You Know... Travel and Tourism

Côte d'Ivoire has a good and efficient tourism infrastructure that offers a wide range of attractions for a variety of tourist categories, such as 550 km of coastline on the Atlantic Ocean, 300 000 hectares of stretch lagoon and eight national parks, and 21 flora and fauna reserves.





EMOCRATIC REPUBLIC F THE CONGO*

Relationship with ** ICAO



27 July 1961 - Notification of adherence to the Chicago Convention



* As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Kinshasa

Official Languages

French

Currency

Congolese Franc

Area

2 345 409 km²

Population

67.5 million

Gross Domestic Product*

USD 37.2 billion USD 458 per capita

Country Telephone Code

243

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

632 811 passengers

International Cargo Traffic

25 935 metric tonnes

National Airlines with International Services

N/A

Foreign Airlines

N/A

Looking to the Future

- The Civil Aviation Authority (CAA) hosted two ICAO Coordinated Validation Missions (ICVM), in 2006 and 2013, that resulted in progress realized of 13%.
- Progress made has increased requests for overflights of its territory and traffic at its airports.
- Since its creation in 2003, the CAA has hosted more than 10 international workshops and meetings relating to air transport.
- The CAA is working with other aviation components on a new control tower to replace the existing one at Kinshasa International Airport. This is in addition to a new runway under construction.
- Airports around the country are being technically investigated in order to identify infrastructure improvements required.

Did You Know... Travel and Tourism

The country is geographically well located in the centre of Africa. This facilitates overflights of its territory and the priority of the CAA is focused on ensuring the safety and the security of operations.





EQUATORIAL GUINEA

Relationship with ICAO



22 February 1972 - Notification of adherence to the Chicago Convention

▼ Malabo beach





▲ Ureka Beach Waterfalls

Facts and Figures

Capital

Malabo

Official Languages

Spanish, French, Portuguese

Currency

CFA Franc

Area

28 052 km²

Population

1.9 million

Gross Domestic Product*

USD 12.5 billion USD 9 850 per capita

Country Telephone Code

240

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

International **Passenger Traffic**

931 348 passengers

International Cargo Traffic

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The first phase of the Government's Development Plan 2020 focused on infrastructure development, with special emphasis on a holistic, harmonized approach involving air, ground and maritime transport modes.
 - Airports in major cities, Malabo and Bata, have been remodelled with the construction of modern terminals. In addition, three new airports were built in Annobon, Corisco and Mongomeyen to improve communications and transport links with other cities.
 - The country's main port, located in the capital city Malabo, has been remodelled to expand capacity and accommodate vessels requiring a depth of 16 meters.
 - A modern network of roads and highways throughout the national territory was completed. This network, in addition to shortening distances between locations, has enabled inaccessible rural areas to move out of the isolation they previously experienced.
 - Combined, all of these improvements have created a wealth of opportunities in the transport sector for the movement of people and goods, while connecting them to the global marketplace.

Did You Know... Travel and Tourism

Equatorial Guinea is one of the most bio-diverse areas of Africa, from classic beaches with black volcanic sand to incredibly lush forests and alpine lands to 3000 m, and more than a hundred different mammals, including various primates and large animals like the forest elephant. There are two national parks: one between Bata and Niefang, the other in Malabo.



MORE ABOUT EQUATORIAL GUINEA

Message from the Ministry of Civil Aviation, His Excellency Leandro Miko Angue

Equatorial Guinea: A Vision to be a World-Class Regional Aviation Hub



International Civil Aviation plays a major role in the socio-economic development of Equatorial Guinea, other African States and the world in general. In this respect, since becoming a member of the International Civil Aviation Organization (ICAO) in 1972, the State has actively supported and promoted ICAO Strategic Objectives and the Organization's work.

Equatorial Guinea's strengths are: Infrastructure, Oil, Tourism, Agriculture and Natural Resources. As a founding member of the Economic Community of the Central African States (ECCAS) and a Member of Air Navigation Safety for Africa and Madagascar (ASECNA), we will also be representing the 11 Member States in line with the Central Africa Rotation Agreement; current Members are Angola, Burundi, Cameroon, the Central African Republic, Chad, the Democratic Republic of Congo, Equatorial Guinea, Gabon, the Republic of Congo, Rwanda, and Sao Tome and Principe. The ECCAS Region total population is more than 158.3 million and covers 6,630,539 km².

In the spirit of the ICAO "No Country Left Behind" campaign, Equatorial Guinea will play a vital role in terms of its geopolitical location, rendering regional support, while ensuring that ICAO SARPs implementation is better harmonized regionally so that all States have access to significant socio-economic benefits for safe, sustainable, and reliable air transport.

Equatorial Guinea shows the utmost commitment in promoting civil aviation, advancing its domestic policies, promoting the African agenda, and contributing toward a broader rules-based and multilateral system.

Ongoing Developments: Aviation Safety and Security

In December 2012, the Equatorial Guinea Civil Aviation Authority (Autoridad Aeronáutica de Guinea Ecuatorial - AAGE) became an autonomous and independent body, with broad regulatory powers in the national aviation sector, as well as technical and economical. This initiative gave the AAGE broad prerogatives of production and regulatory approval in respect to aeronautical regulations, development of airport master plans, development of air navigation service plans, certification and licensing of aviation personnel, certification and licensing of airlines, establishment of the Ministry of Civil Aviation, creation of an aeronautical school, and creation of the Search and Rescue Commission. This and related activities illustrate Government commitment to transform air transport into a pillar of the national economy alongside tourism, oil, agriculture and fishing.





Geopolitical Location: Strength and Challenges

Equatorial Guinea has significantly enhanced the safety and security of its civil aviation as demonstrated by the impressive results recorded under ICAO's safety security audit programs in 2017. The State's geopolitical location, the Gulf of Guinea bordering Nigeria to the northwest, the Atlantic Ocean to the east, Cameroon to the north and Gabon to the south, as well as being strategically situated in the middle of the African continent, means that Malabo Island – the capital of the country – connects with more than 25 countries within three to four hours by air. Its airspace is at the crossroads of four continents: Africa, Europe, North and South America.

The national development plan Horizon 2020, set in motion by HE President Teodoro Obiang Nguema Mbasogo in 2007, recognizes the fundamental role of civil aviation in nation-building, integrating Equatorial Guinea into the global marketplace by linking the subregion with the rest of the continent.

Human Capital Development

Through the Human Resources Development Funds, Equatorial Guinea is working hand-in-hand with several United Nations Specialized Agencies such as ICAO, FAO, and UNESCO, by sponsoring the program of young professionals in aviation and other sectors such as agriculture and education by granting fellowships to scholars and researchers for malaria eradication in Sub-Saharan African countries.

Equatorial Guinea has also joined forces with other intergovernmental regional organizations, training institutions, private sectors and stakeholders to expand training opportunities and ensure availability of skilled aviation personnel both locally and throughout the subregion.

Proactive Diplomacy

With regard to the promotion and enhancement of global aviation safety, security, and the environment, and as part of the ongoing Equatorial Guinea Proactive Diplomacy, it is worthy to highlight certain events.

E. Esono
Anguesomo,
Permanent
Representative
of Equatorial
Guinea to ICAO

In July 2013, Equatorial Guinea hosted the Subregional Ministerial meeting for Ministers of Civil Aviation and Transport for evaluation of the Action Plan 2008-2015, for improvement of Air Transport in the Central African Subregion. In April 2014, Equatorial Guinea hosted the Africa Commission for Civil Aviation (AFCAC) ministerial meeting, which endorsed the establishment of the Human Resources Funds Project for Young African Professionals, administered by ICAO. In August 2014, the Equatorial Guinea Permanent Delegation to ICAO was established. In July 2016, the Third Africa-Indian Ocean AFI Aviation Week was held in Malabo; this event produced a profound paradigm shift in the perception of the State and of the leaders in the aviation industry, as to the remarkable progress made by Equatorial Guinea in realizing its vision of being a worldclass and competitive regional airport hub. Since 2018, Equatorial Guinea is one of the 10 non-permanent members at the UN Security Council, elected for two years by the General Assembly. In April 2018, the country was awarded the Certificate of Recognition by ICAO for the best performance on SARPs. Since November 2017, Equatorial Guinea possesses a fleet of six new aircraft, which includes the largest and longest range for passenger aircraft in operation today, covering more than 10 countries in and outside the subregion.

Multilateralism and International Cooperation

Equatorial Guinea is one of the promoters of the liberalization of air transport policies and has signed and ratified several Instruments, Treaties and Agreements applicable to civil aviation at regional and multilateral levels. Liberalization has also meant the advent of regional carriers, offering excellent service domestically, with feeder traffic to larger international airlines.

With an average growth of some 14 percent annually in recent years, expectations are that the total number of passengers at Malabo will top the one million mark in 2020-2021.

The liberalization of the air transport industry has been well served by rapidly improving safety and security levels, state-of-the-art infrastructure projects for passengers and cargo, and efforts to ensure a highly qualified workforce.

Therefore, it is not surprising that a growing number of foreign airlines have opted to begin or increase operations to Malabo, fueling the country's goal of becoming the regional hub of choice.



CENTRAL AFRICA ROTATION GROUP







REPUBLIC





CONGO











CENTRAL AFRICA ROTATION GROUP

PROUD SUPPORTER OF ICAO FOR 75 YEARS CONGRATULATES ICAO ON THE OCCASION OF ITS 75TH ANNIVERSARY







18 January 1962 - Notification of adherence to the Chicago Convention

▼ Elephants in the forest at Iguela Lagoon





▲ humpback whale near Mayumba (Atlantic Ocean coast)

* As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Libreville

Official Languages

French

Currency

CFA Franc

Area

267 667 km²

Population

1.7 million

Gross Domestic Product*

USD 14.6 billion USD 7221 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

International **Passenger Traffic**

661 391 passengers

International Cargo Traffic

17 701 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Although a potential source of good jobs, tourism is not yet well developed due to an insufficient road network in the hinterland, lack of infrastructure and exorbitant transport costs with local airlines. Accordingly, the Gabonese government will invest some USD 85 million in tourism development through the National Infrastructure Master Plan 2011 to 2016. The Plan, comprised of 21 major projects together worth more than USD 11 billion, is designed to support the socio-economic growth throughout
- Prestigious international airlines bring new dynamism and vitality to the travel and tourism sector. Two very good examples are Turkish Airlines that in 2013 added Libreville to its network, followed by Air France providing daily flights between Libreville and Paris. Others are expected to expand their services to Gabon.
- Local airlines are aiming at increasing their domestic flights in order to further reduce the economic and social isolation of some regions.

Did You Know... Travel and Tourism

Gabon offers a wide range of attractions. Some 100 000 tourists a year experience the country's remarkable wildlife and enormous environmental biodiversity, within the 13 national parks, not to mention the 880 km of beaches. Visitors can interact with nature, practice extreme sports and take part in adventurous expeditions. By 2020, the government aims to attract 200 000 tourists annually.





13 May 1977 - Notification of adherence to the Chicago Convention

▼ Terminal 1





▲ Terminal 2

Facts and Figures

Capital

Banjul

Official Languages

English

Currency

Dalasi

Area

11 300 km²

Population

2 million

Gross Domestic Product*

USD 1 billion USD 483 per capita

Country Telephone Code

220

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Banjul International Airport

Domestic Airports

N/A

International **Passenger Traffic**

406 029 passengers

International Cargo Traffic

1 451 metric tonnes

National Airlines with International Services

N/A

Foreign Airlines

Looking to the Future

- The Gambia Civil Aviation Authority continues to upgrade Banjul International Airport under the Airport Improvement Project Phase II to improve facilitation. There is an ongoing exhaustive overhaul of the New Terminal Building which includes an expansion of the structure and provision of more services. In completion of the project which is expected to be handed over to the Authority by mid-2020, the following benefits would be extended to customers during their journey in Banjul International Airport:
 - Number of current check-in counters would be doubled
 - Modernization of x-ray machines
 - Emphasis on Safety and Security
 - Improved cooling system
 - New conveyor belts
 - Modern restaurants, CIP & VIP lounges, full banking service
 - •Added seating capacity in the departure lounge and improved access to duty free

Did You Know... Travel and Tourism

Six reasons to visit Gambia, the Smiling Coast of Africa: 1) Six hours flight from Scandinavia and Europe 2) Unique opportunity to see over 500 species of birds 3) All-in-one destination offering sand, sun and sea, along with safari excursions 4) Breathtaking and captivating hinterland for ecotourism 5) UNESCO World Heritage Sites for culture lovers 6) Water sporting and fishing activities.







9 May 1957 – Notification of adherence to the Chicago Convention

▼ Ghana Civil Aviation Training Academy (GATA)





▲ GCAA VOR/DME equipment

* As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Official Languages

English

Currency

Cedi

Area

238 533 km²

Population

25.9 million

Gross Domestic Product*

USD 47.3 billion USD 1641 per capita

Country Telephone Code

233

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

1.7 million passengers

International Cargo Traffic

51 325 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The vision of Ghana as the preferred aviation gateway and leader in airport business in West Africa is within reach, with the beginning of construction of a new international terminal. Known as Terminal 3, the design and concept, when completed in July 2017, will handle up to five million passengers per year.
- The Ghana Civil Aviation Training Academy (GATA) was established in 2008 and structured as a department of the Ghana Civil Aviation Authority (GCAA). It became operational in 2009.
- The academy has since generated interest within the West African sub-region and beyond, having held training sessions for aviation professionals from Benin, Gambia, Liberia, Nigeria, and Sao Tome.
- Currently, GATA offers courses in air traffic control, aviation safety and security, aviation English proficiency, and safety and emergency procedures training for cabin crew.
- GATA, now headquartered in a new ultra-modern, seven-storey building, is set to strengthen the GCAA's vision of becoming a regional leader and centre of excellence in aviation training.

Did You Know... Travel and Tourism

Dr Edward Dwemoh, Ghana's first DGCA, was the first African to win the Edward Warner Award. His efforts led to ICAO Assembly Resolution A21-24 stipulating that the sickle cell trait should not disqualify a person from flying duties.







27 March 1959 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Conakry

Official Languages

French

Currency

Guinean Franc

Area

245 857 km²

Population

13.4 million

Gross Domestic Product*

USD 10.5 billion USD 825 per capita

Country Telephone Code

224

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

527 551 passengers

International Cargo Traffic

7 743 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The Civil Aviation Authority became an autonomous entity with the passage of legislation by the National Assembly in November 2013.
- New air navigation equipment (ILS/VOR DME Instrument Landing System VHF omnidirectional range with distance measuring equipment) was installed at Conakry International Airport in 2008. while SADIS (Satellite Distribution System) and SIOMA (Système Intégré d'Observation Météorologique d'Aérodrome) were implemented in 2012 to more effectively handle meteorological information.
- The Airport has been modernized and upgraded; two telescopic bridges were installed.
- A new airline is in development between the Guinean State, Ethiopian Airlines and Guinean private investors.
- African and European companies are announced to begin serving Conakry in 2019.

Did You Know... Travel and Tourism

From heavenly coastal beaches to the wooded splendours of forest Guinea to Mount Nimba (1752 m), Guinea is a perfect synthesis of the treasures of West Africa. A trip to this country where tourism is underdeveloped is exploration.

The visa to come to Guinea can be obtained online.





GUINEA-BISSAU*

Relationship with ** ICAO



15 December 1977 - Notification of adherence to the Chicago Convention



 $\hbox{\bf *} \ \, \text{As this publication went to press, updated information from the State had not yet reached}$ the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Bissau

Official Languages

Portuguese

Currency

CFA Franc

Area

36 125 km²

Population

1.6 million

Gross Domestic Product*

USD 1.3 billion USD 723 per capita

Country Telephone Code

245

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

58 000 passengers

International Cargo Traffic

350 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- O Guinea-Bissau joined the Agency for Air Navigation Security in Africa and Madagascar (ASECNA) in January 2006. The Agency's mission is to provide air navigation and aeronautical meteorology services for international aviation.
- The following new air navigation and approach equipment is installed by ASECNA at Bissau airport - ILS Cat II (Normal 7000B) (Localizer, glide-path and DME for landing) and VOR/DME for routing (CVOR 431 and DME 415/435).
- There is also the installation of Secondary Radar Monopulse of Surveillance (MSSR) Mode S, to allow for a better monitoring of traffic in the Terminal Control Area (TMA of Bissau).
- The Government of Guinea-Bissau is investing more than USD. six million in the pavement overlay project (runway and apron) at Bissau Osvaldo Vieira International Airport.

Did You Know... Travel and Tourism

In the 1940s, flights between Lisbon and New York operated with Boeing Clipper aircraft used to fly via Bolama in Guinea Bissau, then Trinidad and Bermuda, in order to take advantage of more favorable winds and to save fuel.







11 February 1947 - Deposit of instrument of ratification of the Chicago Convention

▼ Terminal Building





▲ Tourism in Liberia

Facts and Figures

Capital

Monrovia

Official Languages

English

Currency

Liberian Dollar

Area

96 320 km²

Population

4.73 million

Gross Domestic Product*

USD 2.2 billion USD 456 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

187 891 passengers

International Cargo Traffic

209 117 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The LCAA prioritizes human capital development as a key focus aimed at grappling with the changing trends and dynamics in the aviation industry. It has received assistance from local, regional and international organizations as well as foreign governments.
- The attainment of high professional standards in civil aviation through the recruitment, training and development of employees is critical to the institutional development of the LCAA. In furtherance of this goal, the human resource capacity of the LCAA is being enhanced through collaboration with ICAO and bilateral partners in the provision of technical, managerial and administrative training for employees. LCAA also utilizes national capacity to provide cost-effective local training to improve the service delivery of its employees.
- Through an aggressive modernization programme based on the LCAA's commitment to the safety of flight operations, the rehabilitation work of the runway at Roberts International Airport has been completed and a new modern terminal is being constructed there.

Did You Know... Travel and Tourism

- •The original name of Monrovia was Christopolis.
- •The Liberian President H.E George M. Weah is the only African who in one single year - 1995 - was named FIFA World Player of the Year, European Footballer of the Year and African Footballer of the Year.
- Sapo National Park in Liberia is West Africa's second-largest tropical rainforest and home to about 125 mammal species.







8 November 1960 – Notification of adherence to the Chicago Convention



* As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Bamako

Official Languages

French

Currency

CFA Franc

Area

1 240 192 km²

Population

16.2 million

Gross Domestic Product*

USD 15.3 billion USD 824 per capita

Country Telephone Code

223

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

665 588 passengers

International Cargo Traffic

18 000 metric tonnes

National Airlines with International Services

Foreign Airlines

14

Looking to the Future

The new terminal of the Aéroport International Président Modibo Keïta (formerly Aéroport international de Bamako-Sénou until December 2015) features a surface area of 15 600 m², with boarding room capacity for 1.5 million passengers annually.

Did You Know... Travel and Tourism

"The old cities of Djenne" were included in the list of UNESCO World Heritage Sites in 1988, according the following criteria - exceptional evidence of the existence of such cities as Djenne-Djeno, Hambarketolo, Tonomba and Kaniana during the pre-Islamic civilizations of the Inner Niger Delta and the original architecture of the city of Djenne as an illustration of development in this area.







13 January 1962 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Nouakchott

Official Languages

Arabic

Currency

Ouguiya MRU

Area

1 030 700 km²

Population

4.3 millions

Gross Domestic Product*

USD 5 billion USD 1137 per capita

Country Telephone Code

222

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

International **Passenger Traffic**

434 259 passengers

International Cargo Traffic

4.3 tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Mauritania's goals are to:
 - Be the first in Africa in terms of Effective Implementation (EI) under the ICAO Universal Safety Oversight Audit Programme (USOAP).
 - Achieve a rating of 90 per cent according to ICAO criteria and rules.
 - Reinforce and renew the Mauritania Airlines fleet.
 - Upgrade the international airports of Atar, Nema and Zouératt to support tourist activity.
 - Establish air transport partnerships to reinforce the flow of air traffic at the Nouakchott Oumtounssy International Airport, newly created.

Did You Know... Travel and Tourism

Come to discover this magnificent country. Go to meet the nomadic populations, and share with them very emotional moments around the ceremonial of the tea. Go to assault dunes on foot, on camel back or onboard an all-terrain vehicle. Laze on its sandy beaches, or behold the thrilling spectacle of birds of a thousand different species of the Banc d'Arguin.







29 May 1961 - Notification of adherence to the Chicago Convention



 $f{*}$ As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Niamey

Official Languages

French

Currency

CFA Franc

Area

1 267 000 km²

Population Population

17.1 million

Gross Domestic Product*

USD 8.1 billion USD 378 per capita

Country Telephone Code

227

Air Transport Statistics

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

272 000 passengers

International Cargo Traffic

10 082 metric tonnes

National Airline) with International Services

Foreign Airlines

Looking to the Future

- The international airports of Zinder and Agadez are being upgraded to meet ICAO standards, with funding from the State.
- Niger has also undertaken the development and validation of master plans for the international airports of Agadez, Niamey and Zinder.
- In addition to the modernization of the Diori Hamani International Airport in Niamey, the creation of a new airline, Niger Airways, should improve air travel to and from the capital.
- The perimeter of international airports at Niamey, Agadez and Zinder has been made more secure with the installation of walls and fencing.
- Air transport is part of the new national transportation strategy.

Did You Know... Travel and Tourism

Niger exports include uranium, oil and gold. Because rail and air transport are not yet well developped, access to mines is by road. The potential for expanding air transport to these sites for mining operations is considerable.







14 November 1960 - Notification of adherence to the Chicago Convention

▼ Nnamdi Azikiwe International Airport, Abuja





▲ Godswill Akpabio International Stadium, Uyo, Akwa Ibom

Facts and Figures

Capital

Abuja

Official Languages

English

Currency

Naira

Area

923 770 km²

Population

166.2 million

Gross Domestic Product*

USD 375.8 billion USD 1969 per capita

Country Telephone Code

234

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

4.6 million passengers

International Cargo Traffic

204 092 metric tonnes

National Airlines with International Services

Foreign Airlines

26

Looking to the Future

- Nigeria is fully committed to the ideals and aspirations of ICAO and will continue to collaborate with other Member States to advance the work of ICAO for greater efficiency and effectiveness in line with ICAO's strategic objectives:
 - Comply with ICAO Standards and Recommended Practices and ensure safe, expeditious and orderly flow of traffic within its airspace.
 - Champion the advancement of civil aviation in our sub-region through the continued hosting and sponsorship of ICAO safety, security, air transport and environmental programs including the Comprehensive Regional Implementation Plan for Aviation Safety in Africa, the Comprehensive Regional Implementation Plan for Aviation Security, and Facilitation in Africa and the Human Resources Development Fund.
- Nigeria has adopted a civil aviation development policy of liberalization and a Public-Private Partnership Model. These policies have resulted in significant investments in the aviation infrastructure and facilities for a safe, secure, environmentally friendly and sustainable development of international civil aviation.

Did You Know... Travel and Tourism

Nigeria, an untapped tourist paradise, offers long stretches of exotic beaches, lush mountains, and enchanting sights and sounds. From spiritual shrines to the ancient cities of the north, from the river deltas to the Yoruba kingdoms, from the Ibo's stunning environment to a host of other fascinating sceneries, Nigeria has something for everyone ... including great tasting and healthy food!



Collaboration Among Aviation States

Toward More Open Skies and Freer Trade





Lifting Nigerian Skies to New Heights

Air Peace Limited (APL) is a Nigerian carrier offering passenger and charter services to major cities and hubs in the country, the West Coast of Africa and currently pursuing a huge expansion project as the carrier successfully launched its international operations to Dubai-Sharjah on 5 July, 2019. The airline's prospective international destinations include Johannesburg, Mumbai, London, Atlanta and Guangzhou-China.

Incorporated in 2013, the airline commenced commercial flight operations on 24 October 2014 with a fleet of seven aircrafts comprising of three (3) Dornier 328 Jets and Four (4) Boeing 737-500SPs

The carrier is primarily focused on delivering safe and seamless air travel in line with global standards. Air Peace operates from it's main hub, the General Aviation Terminal on the Murtala Muhammed International Airport (MM1) in Lagos. Loyal customers of the airline are rewarded under its frequent flyer programme. The carrier also has a rebate scheme for both serving and retiring military personnel.

Air Peace is 100 percent privately owned by Mr Allen Onyema, Chairman/Chief Executive Officer, and his family. A well known lawyer in Nigeria, Mr Onyema has been successful in real estate business and law practice since 1992 before venturing into the airline sector. His passion is to create employment opportunities for Nigerians, Africans and experts across the globe and guarantee quality and on-time flight services at affordable fares

In just three years of operations, Air Peace has grown to become the preferred airline in Nigeria, lifting more than a third of all passengers in the country in the first quarter of 2017.

The carrier received its international Air Transport Association Operational Safety Audit (IOSA) certificate in 2017 and was admitted as a member of IATA shortly Air Peace is currently pursuing a massive expansion project to increase its fleet of Boeing 737-300/500, Boeing 777 and Embraer 145 Jets to 24. Air Peace now operates the biggest fleet in Nigeria.

Air Peace is in partnership with some of the best maintenance facilities in the world, including BCT Aviation Maintenance UK, which is on ground at the airline's Lagos hub to handle routine maintenance of its aircraft 24/7, 365 days.

The airline boasts some of the best hands in Nigeria's aviation industry within it's employ, and has set many records in the country. It was the only airline to commence operations with a fleet size of seven aircraft, the only airline to operate to five different destinations in Nigeria simultaneously at launch, and the only airline in Nigeria to acquire the Boeing 777 aircraft.

In recognition of its transformation of Nigeria's airline business, Air Peace has won many awards from reputable organizations. The carrier has been recognized as the Best Domestic airline by TELL Magazine, The Daily Independent and the Nigerian Air Traffic Controllers' Association. It has also won Interswitch's Payment Innovation Driver, Aviation award and the Leadership Newspaper, Company of the Year award.

Challenging as the airline business may be, the carrier has continued to focus and deliver on it's vision "to be ever dependable through the creation of seamless connections and network options for domestic, regional and international markets" and its mission is "to expand our locations, both domestic and beyond, as the largest and the most profitable airline to achieve safe, efficient and affordable short and long-haul flights.



MORE ABOUT **NIGERIA**

Nigeria's Contribution to Global Aviation



Muhammadu BuhariPresident Commander-In-Chief of the Armed Forces
Federal Republic of Nigeria

Nigeria occupies an important and special place in aviation as a result of the air services and air navigation facilities it provides for international civil aviation and the active role it plays and support it has given to the aviation industry at both regional and international levels.

The air transport market in Nigeria is forecast under the "current trends" scenario to grow by 174 percent in the next 20 years. This would result in an additional 9.4 billion passenger journeys by 2037. This increased demand would support approximately US \$4.7 billion of GDP and almost 555,700 jobs. With a population of over 190 million, a strategic geographical location and a primary market in West and Central African regions with a population of 600 million, Nigeria is a natural hub for regional and international air traffic in Africa with enormous market potential.

Nigeria is a signatory of both the Memorandum of Understanding (MOU) and Memorandum of Implementation (MOI) of the Single African Air Transport Market (SAATM), a critical component of African Union Agenda 2063 aimed

at rapid economic development and provision of quality living standards in Africa.

In recognition of the critical role aviation plays in the socioeconomic development of the nation, the Federal Government of Nigeria recently reviewed and updated the National Aviation Masterplan to reflect the current realities. Liberalization, Public-Private-Partnership (PPP) and smart regulations and policies are some of the inputs in the new National Aviation Masterplan. The National Aviation Masterplan is a major component of the National Integrated Infrastructure Masterplan in line with the recommendations and provisions of ICAO's No Country Left Behind (NCLB) Initiative.

Restructuring of Aviation Agencies

Nigeria is restructuring and repositioning its aviation agencies to manage the projected growth of aviation in an efficient and effective manner. The agencies will be made autonomous and self-accounting. In addition, the implementation of smart regulations and policies will provide the required flexibility for timely and appropriate response to a dynamic industry. As part of this strategy, the revised Nigerian Civil Aviation Regulations (NCARS) became effective in 2016.

Infrastructure and Airport Concession

Airport Concession will be implemented through Public-Private-Partnership. This will provide the resources to provide new infrastructure and upgrade facilities to cope with projected traffic growth in a seamless and efficient manner.

Maintenance, Repair and Overhaul Facilities

The high cost of maintenance is a major restraining factor in the growth and sustainability of regional airlines. The establishment of a private sector-driven MRO facility will attract clientele from Africa while significantly reducing maintenance costs.

Aircraft Leasing and Industry Support

The establishment of an aircraft leasing company will provide the regional airline industry a platform for aircraft acquisition at global competitive rates. The industry will benefit from the provisions of the Cape Town Convention.



Aerospace University

Nigeria, like many countries, suffers the dearth of seasoned aviation professionals, especially at the managerial level. The projected growth of the industry will exacerbate an unacceptable situation. The Aerospace University is expected to fill these managerial manpower requirements in the medium and long term. Research and Development will be another major undertaking of the university to formulate long-term holistic strategies for the industry.

Agro-Allied Cargo Infrastructure

Agriculture is a key component of Nigeria's Gross Domestic Product and has a huge export potential of its variety of products. These potentials have remained largely untapped mostly due to lack of proper cargo export facilities and infrastructure at the nation's airports. The closure of these identified gaps in the short to medium term are components of the National Aviation Masterplan and key to deriving the socio-economic benefits of both the agricultural and aviation sectors. These benefits include sustainable employment, development of rural areas and improved living standards in rural areas.

National Carrier

The bane of the Nigerian aviation industry has been the lack of a strong, sustainable airline since the demise of the former national carrier, Nigeria Airways Ltd. Several airlines have come and gone with an average lifespan of less than 10 years. This has brought severe consequences upon the nation's economic development with huge capital flight through foreign airlines that dominate international flights. Domestic and regional connectivity with

major cities is poor and expensive. The Nigerian government has declared this situation as unacceptable and is in the process of establishing a strong national carrier with majority private sector participation. The huge but mostly untapped potential of the primary market covering the West and Central Africa regions with a population of 600 million is a given incentive for establishing a strong private-driven carrier. This will significantly reduce the capital, become a foreign exchange earner and improve domestic and regional connectivity.

Nigeria Active Participation with ICAO

Since becoming a member of the ICAO Council in 1962, Nigeria has continuously played key roles in supporting the implementation of ICAO SARPS, programmes and policies, particularly in the African region. To this end, Nigeria has ratified international air law instruments, and actively supported the Comprehensive Regional Implementation Plan for Aviation Safety in Africa (AFI Plan), the Comprehensive Regional Implementation Plan for Aviation Security and Facilitation in Africa (AFI SECFAL), and the Human Resources Development Fund (HRDF) plans to enhance aviation safety, security, and facilitation and capacity development in Africa. In addition, NIgeria has hosted a number of ICAO meetings and regional workshops, including the widely acclaimed and successful third ICAO World Aviation Forum (IWAF/3), the Infrastructure Gap Analysis Workshop, the AFI Regional Air Navigation Meeting (AFIRAN/7), Regional Ministerial Conference on Aviation Security, African Ministerial Conference on Aviation Safety, 1st DGCA Meeting for West and Central Africa, First Global Aviation Safety Roadmap Workshop, Performance Based Navigation Seminar, Regional Air



NIGERIAN COLLEGE OF AVIATION TECHNOLOGY, ZARIA



Five Training Schools Namely:

- Flying School
- Air Traffic Services/Communication School
- Aircraft Maintenance Engineering School
- Aeronautical Telecommunications Engineering School
- Aviation Management School

ICAO TPs Available:

- Training Instructor's Course (TIC)
- ATSEP-Navigation Aids Equipment Maintenance Course
- ATSEP-Airport Power Systems and Facilities
 Maintenance Course
- ATSEP-Communication Equipment Maintenance Course
- ATSEP-Surveillance Equipment Maintenance Course
- ATSEP Pre-On-the-Job Training Course
- Airport Emergency Procedures
- Examination Techniques
- Safety Management Training for Practitioners
- Training Managers Course
- Training Developers Course



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Transport Symposium, Regional Seminar on Machine Readable Travel Documents, and SMS Training Seminar, as well as several other workshops on safety oversight.

Nigeria has seconded auditors to support the ICAO Universal Safety Oversight Audit Programme (USOAP), and the Universal Security Audit Programme (USAP). It has also contributed as experts on various ICAO technical panels and commissions, including the Preparatory Commission for the Establishment of the International Civil Aviation Compensation Fund, the Commission of Experts of the Supervisory Authority of the International Registry (CESAIR), the ICAO PKD Governing Board, the Air Transport Regulation Panel (ATRP), the Airport Economic Panel (AEP), the Air Navigation Services Economics Panel (ANSEP), the Aviation Data Analysis Panel (ADAP), the Aviation Security (AVSEC) Panel, the Safety Management Panel (SMP), the Airworthiness Panel (AIRP), Committee on Aviation Environment Protection (CAEP) and Technical Advisory Board (TAB).

Aviation Safety

Nigeria is the headquarters of the Cooperative Development of Operational Safety and Continuing Airworthiness Programme (COSCAP) for the Banjul Accord Group (BAG) and the Banjul Accord Group Aviation Safety Oversight Organization (BAGASOO). Nigeria is a major contributor and participant in the Regional Accident Investigation Agency (BAGAIA), and has offered the use of its accident laboratory and technical experts to support the success of BAGAIA.

Nigeria is fully committed to work with other States and support the implementation of the Global Aviation Safety

Plan (GASP) and the Global Air Navigation Plan (GANP). afety oversight of the Nigerian aviation industry has been greatly enhanced as evidenced by the result of the ICAO Universal Safety Oversight Audit Programme (USOAP) and the retention of the US Federal Aviation Administration's International Aviation Safety Assessment (IASA) Category 1 Certification. In support of the principle of transparency and disclosure, Nigeria has given consent to the public dissemination of its audit reports. Several domestic airlines have attained the International Air Transport Association (IATA) Operation Safety Audit (IOSA) certification. Murtala Mohammed International Airport Lagos and Nnamdi Azikwe International Airport Abuja have undergone the Airports Council International (ACI) Airport Excellence (APEX) programme. The two airports have been certified by the Nigerian Civil Aviation Authority.

Aviation Security and Facilitation

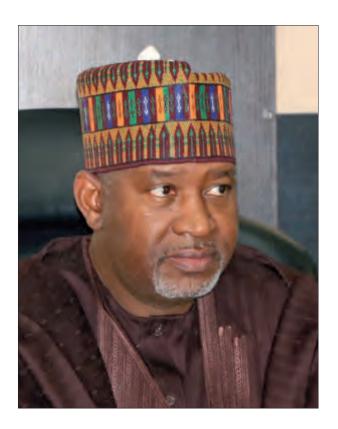
Nigeria is committed to work with ICAO and all States in the effective implementation of the Global Aviation Security Plan (GASeP). Nigeria's high score in the Effective Implementation (EI) of the Universal Security Audit Programme (USAP) is a testament to this commitment. There have been major upgrades in infrastructure and facilities in airports toward effective security and enhanced facilitation.

Environmental Protection

In the area of environmental protection, Nigeria is voluntarily participating in the pilot stage of ICAO's Carbon Offset and Reduction Scheme for International Aviation (CORSIA), and has provided capacity training to many African States in support of the CORSIA Buddy Partnership.

MORE ABOUT **NIGERIA**

Senator Hadi Abubakar Sirika



cession of airports, establishment of Maintenance Repair and Overhaul (MRO) facility, development of Agro-Allied cargo terminals, search and rescue system and aircraft leasing programme. The Minister stated that measures were being put in place to ensure that the industry is grown to its full potentials.

Sirika's vision and mission is to continue to maintain an industry that is secure, safe, efficient and comfortable for passengers. And because there is no Aviation B, he is set to develop and sustain an industry that is in tune with global best practices; in strict compliance with ICAO's SARPS and local regulations. Sirika believes Aviation does not start and stop at fantastic edifices ie terminal buildings. Though this is what every passenger wants to see, the priority is all those things that happens from departure to arrival and all the things in between. In other words, how safe, secure and efficient our industry is.

Senator Hadi Abubakar Sirika was recently appointed the Minister of Aviation by President Muhammadu Buhari following demerger of Ministry of Transportation with Aviation.

He had a successful first stint in Buhari's cabinet as Minister of State Aviation in the erstwhile Ministry of Transportation.

During a reception hosted by aviation workers and unions in his honour, Senator Sirika stated that aviation should not be viewed as elitist. He drew the attention of all and sundry as to the importance of the industry as catalyst for growth and development of every economy as well as its value addition to other sectors such as tourism. He assured the public that the aviation road map, launched in 2016 during his first tenure, is very much on course and has as its main components: a new national carrier, con-



Murtala Muhammed International Airport



Mallam Aminu Kano International Airport

Another priority is to create an industry where entrepreneurs can invest and make money out of it, to help grow the industry. Aviation is a catalyzer for economic growth and development of any nation, especially Nigeria with 200 million people and 923,766 square kilometers landmass. 20 percent of the demand of Africa's economy is in Nigeria. Nigeria is at the center of Africa, center of the world, which supports air transportation hub.

Aviation links businesses, nations, markets, people, traditions, industry, culture, tourism and so on. From the little we did; we were able to record 33 percent growth in domestic passengers and 11 percent in international. We pushed the contribution to GDP from 0.4 percent to 0.6 percent. And our hope is that within the next one year, it goes to 1 percent. The vision of the road map entails, things that are intertwine with each other. They cannot happen alone. It is a road map that is linked to each other organically and they cannot separate. The first step will be the concession of the nation's airports to companies that can

operate efficiently while making significant improvements to attract more passengers. You cannot have an empty airport, spend a lot of money, you do not have a feeder airline. We need airlines to feed into the airports; robust airline that is efficient. Secondly, you need a Maintenance, Repair and Overhaul (MRO) Center- to maintain those aircraft when they come in to go out. You cannot come here and have a landing gear issue and wait for some people to come from another country to fix it. Third one, you do need someone to begin to think in aerospace and aviation-to begin to go into research and development for our future. In the sixties Nigeria was at the same level with Brazil in aviation but the latter is now an aircraft manufacturer. This is the reason behind our quest to establish an Aerospace University. We need an aviation leasing company, where we can access cheap funds that you can invest in aviation businesses to grow them.

Interview with the DG NCAA, Captain Muhtar Usman



Since you assumed office as the Director General of NCAA, there has been tremendous improvement in the area of airline safety standards, as few have been seriously sanctioned. How did you do that?

First, I commend the staff of the Authority, and we also encouraged the effective implementation of the civil aviation authority regulation. It is a regulation for the industry. As the civil aviation authority, we are supposed to develop a draft in line with the International Civil Aviation Organization requirements for safety and security and also economic regulation. We normally involve all the stakeholders to understand that it is not about waiting for somebody to fail to comply and then to sanction; it is to educate and make sure that the operators and service providers understand their own responsibility.

Captain Muhtar Usman was appointed the Director General (DG) of the Nigerian Civil Aviation Authority (NCAA) in 2014.

During a distinguished career spanning over four decades, **Captain Usman** worked as an airline transport pilot for both public and private airlines, including the defunct national airline, Nigeria Airways Ltd. In addition, Captain Usman held several managerial and technical positions including Commissioner/CEO of the Accident Investigation Bureau (AIB).

Captain Usman holds several professional, technical and managerial qualifications.







Mallam Aminu Kano International Airport

It makes it easier for us, if they understand and they implement. It is not for them to be self-regulating and that is why we are here. We set the standards, monitor the implementation of those standards through the regulations, and where there is a breach we go for the enforcement. But enforcement is always the last resort. The aim of sanction is to get the operator to comply. In aviation the margin for error is very small. When there is an error, many lives can be lost, both in the air and on ground. That is why we have to move, monitor and ensure that those regulations that are meant to sustain that safety regime are strictly followed.

How has the NCAA been able to sustain the US Federal Aviation Administration (FAA) Category One Safety status alongside ICAO certification under your watch?

There is no shortcut as far as safety and security is concerned. In the area of security, which was the first thing that we attacked as soon as we came in, in June 2015, we had an ICAO audit in the area of security. Earlier, around 2010, in that audit Nigeria scored 70.85 percent, but the one we did in 2015 Nigeria scored over 96 percent and it is quite a feat. Then closely followed the safety audit, which Nigeria passed. The minimum set by ICAO is 60 percent, the global average is 63 percent and Nigeria scored over 67 percent. In the area of the connection link between Nigeria and the United States under the Federal Aviation Administration audit programme, foreign assessment for civil aviation authorities, Nigeria sustained the Category One status that is enabling Nigeria to connect flights directly to the United States. The first time that was achieved was in 2010; it was renewed in 2014, and Nigeria sustained it again in 2017 and early 2018. So we are doing very well in that area but we will still not rest; we still want to conquer and go toward achieving the 100 percent score. We have been quite successful in that area but we intend to build on that. Toward that end, we are at the verge of acquiring a safety and security laboratory to help us

proactively take care of potential hazards that can result in accidents or serious incidents. The Government has already awarded the contract.

NCAA is not part of the Federal Government main budget; it is a cost-recovery agency. Whatever we get is what is approved for us, so it is from that small budget that we are able to do that. I think that will go a long way in enhancing the already high standard of safety. I am sure you can testify that for the last four years or more we have not lost a single soul in a commercial schedule aircraft accident. And this is largely because of the hard work and training /retraining of the safety regulations to ensure safe skies. And that is why in addition to regulating the operators, the airport, and the air navigation service providers, we also regulate such areas like the building height clearances, because anything above Nigeria is part of Nigerian airspace. We have to know all the heights and publish them accurately for pilots to know so they will be able to avoid any potential hazards.



After the certification of Abuja airport, Airport Council International (AIC Africa) gave it a safety award, which entails that it is one of the safest airports in Africa. What can you say about it?

I can say that the Nigerian Civil Aviation Authority deserves to be applauded, because as a regulator we are able to work closely with the airport operator (FAAN) to achieve that feat and if the agencies that are being regulated by the NCAA are being recognized, by extension the civil aviation authority is being recognised. And certification of the airport is one of the achievements of the current management of NCAA, the government of Nigeria and even the management of the airport authority along with the Nigerian Airspace Management Agency (NAMA).

There are several other achievements that are too numerous to mention. What the civil aviation authority does is mostly safety and security related. These are things that the ordinary person does not see directly except when there is an incident or accident; then they will know that all the other operations that are carried out were carried out safely. If you look at the number of departures, the number of arrivals and the flights against the incidences that took place, which we thank God we have not had any fatal accident in Nigeria, I think we deserve kudos.

What is Nigeria doing to handle the huge volume of passenger traffic in the area of infrastructure development to meet ICAO's projection of passenger movement in Africa by 2030?

Government has started investment in the expansion and modernisation of our terminal buildings to accommodate more passenger traffic, especially the international passenger traffic. And that is why those contracts for the new terminal buildings for international passengers in Lagos, Abuja, Port Harcourt and Kano have been awarded. Port Harcourt has been commissioned; Abuja has also been commissioned. Lagos is on the way and Kano. These new facilities will greatly increase the ability to process passengers in those airports. And I believe more will soon join, because Enuqu too has another terminal that is coming up.

Increase in passenger movement will also give rise to increase in aircraft traffic so government is modernising the air traffic management system and improving manpower. The civil aviation authority is also modernising our regulatory tools and preparing our manpower for the increase to cope with the expected growth in aviation activity.

How far has the Authority gone in regulating the Operations of Unmanned Aerial Vehicles (UAV), popularly known as Drones?

Indeed, the proliferation of Remotely Piloted Aircraft or Unmanned Aerial Vehicles has led to serious safety and security concerns. The NCAA has issued a Regulatory/Advisory Circular (Nig.CARs 2015 Part 8.8.1.33) and implementing Standards (Nig.CARs 2015 Part IS.8.8.1.33) as quidance to all drone operators in the country.

With this advisory circular that we have developed in line with The Nigerian Civil Aviation Regulations in the use of drones, it will foster a good working relationship with the National Security Adviser of Nigeria to ensure that the drones that are in the country are being operated according to the rules as contained in the circular. The regulation is at advance stage of being released.

We are also working on inviting stakeholders for a forum to brainstorm on the regulations and compliance by service providers so as to protect civil aviation from the menace or misuse of drones.

Is NCAA adequately staffed with qualified personnel; if yes, can you tell us how you achieved this?

I can say that NCAA is compliant. Aviation is very dynamic and we have sufficient numbers of staff to carry out our oversight functions. We have enough Aviation Safety Inspectors, or ASIs, who carry out routine ramp inspections and other safety surveillance.

In the area of airworthiness, we are able to train two ICAO-certified instructors to date. Second, we have one certified ICAO auditor. In the area of operations also, we have a certified instructor from ICAO. In the area of licensing, we have one inspector; however, about 10 are being projected for the auditor certification. And once they have that auditor's certification, they will also be utilised by ICAO to be auditing other countries. So, we are working very hard to ensure that nobody is left behind.

Toward that end we have a memorandum of understanding (MoU) with countries which include Rwanda, Ghana and Sierra Leone. We provide them with technical manpower for the purpose of inspection, especially in the area of flight operation inspection. We also have an MoU with Ghana and Sierra Leone in the areas of security and licensing. The same with Liberia, and we have qualified people that we trained that are on secondment. One of them is at the ICAO headquarters and another at the ICAO



Murtala Muhammed International Airport

regional headquarters in Dakar whose specialty is security. Another has just moved in, in the area of facilitation and environment in Dakar. We also have one serving in Namibia under the ICAO arrangement, and Nigeria is also a member of the Banjul Accord Group Safety Oversight Organisation with headquarters in Abuja. We also have an MoU in the area of safety with the body, which comprises seven West African, mainly English-speaking countries. So in the area of human resources development, we give that a big priority.

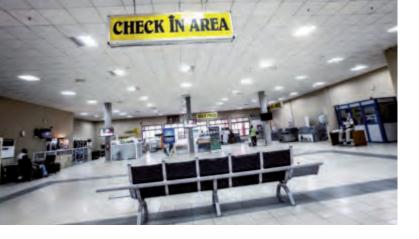
What are your major achievements as a regulator?

Achievement means doing much more. Safety and security are the most important elements of civil aviation, and it is a journey. We will continue to monitor safety trends and indicators, implement targeted safety programmes, and share safety information with other countries.

We have achieved so much and I sincerely appreciate my hardworking staff that ensured that we achieved all these:

- ✓ First and foremost, Nigeria was able to retain United States Federal Aviation Administration (FAA) Category 1 certification.
- ✓ Nigeria has recorded 96.45 percent success in the ICAO Security Audit in 2015 and also excelled in the European Union security experts scrutiny of the nation's aviation security system, all within one year.
- ✓ We have successfully gone through another ICAO
 Universal Safety Oversight Audit Programme (USOAP)
 in March 2016. NCAA unveiled a State Safety
 Programme in line with ICAO prescriptions.

- ✓ We have also attained Level Three (3) in the State Safety Programme (SSP) Implementation Process. Nigeria now is in the same Level with the United States, United Kingdom, etc, in Global Safety Rating.
- ✓ Nigeria has recorded a huge success when the US Transportation Safety Administration (TSA) audited Nigeria's major International Airports in Lagos and Abuja.
- ✔ After a long, painstaking process tailored along ICAO specifications, NCAA finally certified Murtala Muhammed International Airport (MMIA) and Nnamdi Azikiwe International Airport, Abuja. This is unto itself a safety milestone considering that less than 25 percent of international airports in the entire Africa & Indian Ocean (AFI) Region are certified.
- ✓ This feat made Nigeria the first State in the AFI Region to have more than one certified international airport. Efforts are ongoing to ensure that other outstanding airports are also certified.
- ✓ Quite recently, the Nigerian Civil Aviation Authority, in conjunction with the Nigerian Airspace
 Management Agency (NAMA), carried out a review of Aerodrome Operating Weather Minima for 18 airports in Nigeria. This new weather-minima regime, which started in Nigeria in January 2018, allows for takeoff as low as 150 metres Runway Visual Range (RVR), while some airports in the country with Category Two Instrument Landing Systems (ILS Cat II) can permit landing with 300 metres RVR. Efforts are being geared toward having ILS Category 3, which allows landing in zero visibility.

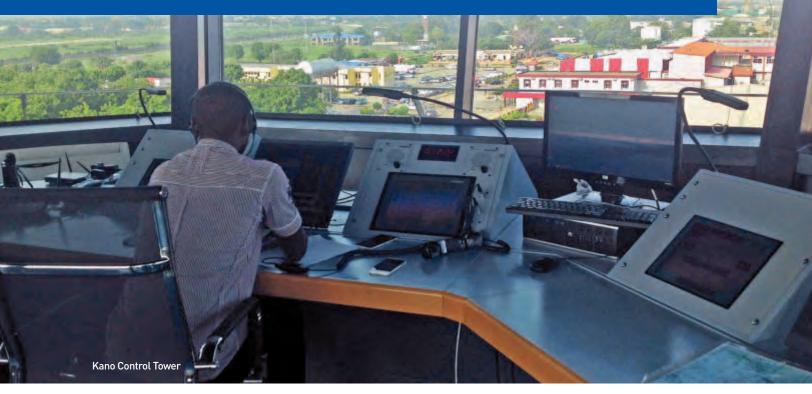


- ✓ The last time weather minima were reviewed was in 1983. However, a semblance of revision undertaken in 1993 only stated that the takeoff minima shall be equal or greater than landing minima at all airports.
- ✓ We have reviewed the Nigerian Civil Aviation Regulations (NCARs) to further standardize the operational procedures, implementation and enforcement in the industry. It was reviewed to ensure total alignment with recent ICAO amendments and, of course, done in conformity with Standards and Recommended Practices (SARPs) as contained in the Annexes to the Chicago Convention. Provisions for Economic and Consumer Regulations are now incorporated.
- ✔ All Nigerian domestic airlines now have International Air Transport Association (IATA) Operational Safety Audit (IOSA) certificates. NCAA accredited the International Helicopter Flying School, Enugu, he first institution established through Public-Private-Partnership (PPP). It's the only helicopter flying school in the West African sub-region to be so accredited to offer training for the Air Transport Pilot License.
- ✓ We have issued guidelines to owners and users of Remotely Piloted Aircraft, aka drones. This is to ensure safety and prevent collisions with aircraft.
- ✔ Quite recently, the United Nations trained NCAA and other aviation security instructors on counter terrorism. The Regulatory Authority commenced certification of aviation security scanners at the nation's airports.
- ✓ Today, NCAA has four ICAO-certified auditors on its staff. These Auditors are now being invited by ICAO to join other experts to carry out audits of other countries.
- ✓ The Authority has carried out a wholesale safety audit of airlines to ensure strict compliance to safety regulations. All aviation fuel (Jet A1) vendors were put on scrutiny via audit, to guide against adulterations or violations of safety.

- ✓ The Authority has played host to the pilot edition of Safety Oversight Inspectors' (AERODROME). This is in recognition of the relevance of the course to global aviation safety. There were participants from 15 countries, including Nigeria.
- ✔ We are humbled to say that, for three uninterrupted years now, there have been zero accidents in all categories of flight operations. This is an indication that NCAA is doing things right. This development has salutary bearing on passenger confidence. Nigerian airlines are opening new routes in the region and outside the continent.
- ✓ All over the world, agencies and personnel connected with safety and security are demonstrating an unwavering competence. The whole aviation community is ultra-sensitive to safety issues. There is a sharp fall in the accident rate in the Africa and Indian Ocean region from 7.3 in 2015 to 1.2 in 2016. This is owing to the fact that world aviation safety has greatly improved and global strategies for safety developed.
- ✓ Nigeria has played host to many global conferences. These include the ICAO Remotely Piloted Aircraft System (RPAS) Symposium for Africa and Indian Ocean, July 2017; ICAO RPAS Workshop, also July 2017; ICAO Carbon Offset and Reduction Scheme for International Aviation (CORSIA) Workshop and Seminar, August 2017; ICAO High-Level workshop on the Global Air Navigation Plan (GANP) for aviation agencies' CEOs, Directors and General Managers, October 2017; and the ICAO World Aviation Forum, November 2017.
- ✓ We in the NCAA will continue to ensure Nigeria's air transport industry retains its attractiveness for tourism and other endeavours. We will increase our consultations with airlines and other stakeholders. We will ensure compliance to ICAO SARPs and NCARs. We will continue to strengthen our safety oversight responsibilities toward ensuring a safe and secure airspace. Sustaining zero accidents is our goal.
- ✔ BAGASOO recently signed a host-country agreement with the Nigerian Government through the Federal Ministry of Foreign Affairs, as required by the International Civil Aviation Organization (ICAO). This agreement is signed in recognition of the international legal personality of BAGASOO as an international government organization and by Nigeria as its hosting state.



Air Navigation Planning and Aviation System Block Upgrade (ASBU) Implementation in Nigeria



Air Navigation Planning in Nigeria dates to 2001 when the then-Federal Ministry of Aviation developed the first Civil Aviation Policy that was reviewed in 2006. The objective of the document was to provide a broad-based framework for development of civil aviation in Nigeria.

In line with the Global CNS/ATM Plan, Nigeria developed a National CNS/ATM Plan in 2003 that enumerated the short-, medium- and long-term plans for the development of Air Navigation infrastructure in Nigeria. The plan focused on required infrastructure for the enhancement of communication, navigation, surveillance and air traffic management in Nigeria.

In 2005, the Federal Government of Nigeria engaged the ICAO Technical Cooperation Bureau (TCB) to develop a comprehensive Civil Aviation Master Plan. The objective was to provide the required framework for an intramodel transport system connecting the airports with other modes of transport (land, water and rail).

In 2012, the Federal Ministry of Aviation developed the Civil Aviation Roadmap that provided a blueprint for strategic restructuring of the aviation industry with the aim of enhancing the growth of the Nigerian economy by increasing aviation's contribution to the Nigerian GDP.

However, with the evolution of the 4th Edition of the Global Air Navigation Plan (GANP) and the Regional Air Navigation Plan, in 2013, the Nigerian aviation authorities commenced the development of a National Air Navigation Plan in 2015.

Similarly, a Nigerian ASBU Implementation Plan was developed in accordance with the ICAO ASBU Framework with focus on ASBU Block 0 and Block 1 modules. The categorization and prioritization of the Nigerian ASBU modules was also in line with the regional priorities and categorization. The Nigerian ASBU Plan incorporated the ICAO CNS Technology Roadmaps for the implementation of the appropriate ASBU Modules.



Below is an update on the ASBU implementation status in Nigeria:

ASBU Block 0 Implementation Progress in Nigeria ASBU B0 - FICE: Flight Information Collaborative Environment

S/No.	Required Elements to be Implemented	Status/Timelines
1	AMHS implementation and interconnection	December 2019
2	Implement AIDC/OLDI	OLDI Implemented in 2010
3	ATS/DS Links with adjacent ACCs	Implemented

ASBU BO - APTA: Optimization of Approaches with Vertical Guidance

S/No.	Required Elements to be Implemented	Status/Timelines
1	APV with Baro -VNAV	Implemented Lagos, Abuja, Kano, Port
2	APV with SBAS and GBAS	December 2022

ASBU B0 - SNET: Ground Safety Nets

S/No.	Required Elements to be Implemented	Status/Timelines
1	Short Term Conflict Alert (STCA)	Implemented January 2010
2	Area Proximity Warning (APW)	Implemented January 2010
3	Minimum Safe Altitude Warning (MSAW)	Implemented January 2010
4	Dangerous Area Infringement Warning (DAIW)	Implemented January 2010
5	Medium Term Conflict Detection (MTCD)	Implemented January 2010
6	Route Adherance Monitoring (RAM)	Implemented January 2010
7	Cleared Level Adherance Monitoring (CLAM)	Implemented January 2010

BO-75/SURF: Safety and Efficiency of Surface Operations (A-SMGCS Level 1-2)

S/No.	Required Elements to be Implemented	Status/Timelines
1	Surveillance system (PSR, SSR, ADS-B or MLAT)	December 2020
2	Surveillance system for vehicles and Alerting system	December 2020
3	Visual aids for navigation	Implemented
4	Wildlife strike hazard reduction	Implemented

B0-84/ASUR: Initial Capability for Ground Surveillance

S/No.	Required Elements to be Implemented	Status/Timelines
1	Implementation of ADS-B	December 2020
2	Implementation of Multilateration	December 2019
3	Automation system (Presentation)	December 2019

ASBU B0 - TBO: Trajectory Based Operations

S/No.	Required Elements to be Implemented	Status/Timelines
1	ADS-Cover oceanic and remote areas	Implemented November 2015
2	Continental CPDLC	Implemented November 2015

B0-105/AMET: Meteorological Information Supporting Enhanced Operations

20 10077 and 21 motorous great announced operations		
S/No.	Required Elements to be Implemented	Status/Timelines
1	WAFS	Implemented
2	IAVW	In process of Implementation
3	Aerodrome warnings	Implemented
4	Wind shear alerting system, SIGMET, QMS/MET	December 2015
5	Other OPMET Information (METAR, SPECI, TAF)	Implemented at all Aerodromes

B0-101/ACAS: ACAS Improvements

2/140' L	Required Elements to be Implemented	Status/Timelines
1 A	ACAS II (TCAS Version 7.1)	December 2020

ASBU B0-WAKE: Increased Runway Throughput through Optimized WakeTurbulence

S/No.	Required Elements to be Implemented	Status/Timelines
1	Revision of current ICAO wake separation minima	December 2020
2	Increasing International aerodrome Arrival Operational Capacity	December 2020
3	Increasing International aerodrome Departure Operational Capacity	December 2020

BO-80/ACDM: Improved Airport Operations through Airport-CDM

be contestin improved import operations alreadin import esti-		
S/No.	Required Elements to be Implemented	Status/Timelines
1	Airport – CDM	December 2020
2	Aerodrome certification	Implemented at Lagos and Abuja
3	Aerodrome emergency planning	Implemented
4	Airport planning and Heliport operations	Implemented

BO-15/RSEQ: Improve Traffic Flow Through Runway Sequencing (AMAN/DMAN)

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S/No.	Required Elements to be Implemented	Status/Timelines
1	Arrival Manager (AMAN)	December 2019
2	Departure Manager (DMAN)	December 2019

BO-30/DATM: Service Improvement through Digital Aeronautical Information Management

S/No.	Required Elements to be Implemented	Status/Timelines
1	AIXM, e-AIP, e-NOTAM	December 2019
2	WGS-84	Implemented 2010
3	e-TOD	December 2020
4	QMS for AIM	December 2019
5	e-flight planning, e-preflight briefing	December 2019
6	Centralised Aeronautical Database	Implemented December 2018

BO-10/FRTO: Improved Operations through Enhanced En-Route Trajectories

S/No.	Required Elements to be Implemented	Status/Timelines
1	Airspace planning	Implemented
2	Flexible Use of airspace	Implemented
3	Flexible Routing	Implemented

B0-35/NOPS: Improved Flow Performance through Planning based on a Network-Wide view

S/No.	Required Elements to be Implemented	Status/Timelines
1	Air Traffic Flow Management	December 2020

B0-85/ASEP: Air Traffic Situational Awareness (ATSA)

S/No.	Required Elements to be Implemented	Status/Timelines
1	ATSA-AIRB (Basic Airborne Situational Awareness during flight operations)	December 2020
2	ATSA-VSA (Visual Separation on Approach)	December 2020

BO-86/OPFL: Optimum Flight Levels through Climb/Descent Procedures using ADSB

			3	3
S/No.	Required E	lements to	be Implemented	Status/Timelines
1	TP using ADS	-B		December 2020

B0-05/CDO: Improved Flexibility and Efficiency in Descent Profiles (CDO)

S/No.	Required Elements to be Implemented	Status/Timelines
1	CDO (Continuous Descent Operations)	Implemented Lagos, Abuja, Kano, Port
2	PBN STARs	Implemented Lagos, Abuja, Kano, Port
3	PBN Approach (RNAV)	Implemented Lagos, Abuja, Kano, Port

BO-20/CCO: Improved Flexibility and Efficiency in Departure Profiles (CCO)

S/No.	Required Elements to be Implemented	Status/Timelines
1	CCO (Continuous Climb Operations)	Implemented Lagos, Abuja, Kano, Port
2	PBN SIDs	Implemented Lagos, Abuja, Kano, Port

In conclusion, the Nigerian Airspace Management Agency (NAMA) is committed to the development and implementation of national air navigation plans and the National ASBU Implementation Plan in line with regional and global plans, in order to align with global priorities for a harmonized, interoperable and seamless global ATM system for the safety, efficiency and economy of air navigation.

AIS Automation Project Equipment for Lagos



The plan focused on required infrastructure for the enhancement of communication, navigation, surveillance and air traffic management in Nigeria.

An Air Traffic Controller on duty at the Lagos Control Tower





Lagos Approach Control



Capt. Fola Akinkuotu

congratulates **Dr. Olumuyiwa Benard Aliu** for a very successful second term as ICAO President.



Capt. Fola Akinkuotu Managing Director/CE of NAMA

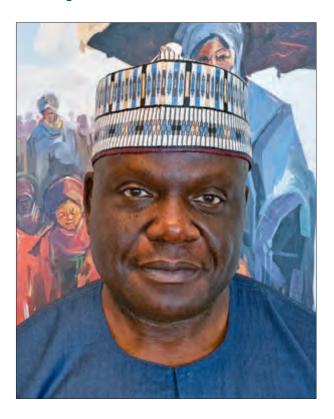


Dr Olumuyiwa Benard Aliu President of the ICAO Council

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Representative of Nigeria on the Council of ICAO

Captain Musa Shuaibu Nuhu



Captain Musa Shuaibu Nuhu was appointed as the Representative of Nigeria on the ICAO Council in July 2016. A pilot by profession, he holds Nigerian and US FAA Airline Transport Licenses with type ratings on Boeing 737, Gulfstream V, Gulfstream IV and Cessna Citation CE500 Series aircraft.

In an illustrious career that spans nearly 40 years, Captain Nuhu worked for various reputable public, commercial and private organizations, including the defunct Nigeria Airways, Presidential Air Fleet, Petrowest Operations SA, Aero Contractors and the Nigerian Civil Aviation Authority, where he held different technical and managerial positions of responsibility including Training Captain, Chief Pilot, Flight Safety Manager, and Flight Operations Inspector, amongst others.

As an experienced international aviator and leader, he was the coordinator and focal person for Nigeria as the host State of the 3rd ICAO World Aviation Forum (Abuja, Nigeria 2017), where the "Declaration and Framework for a Plan of Action for Development of Aviation Infrastructure in Africa" was adopted.

Captain Nuhu has participated actively in the activities of the Council and ICAO. He is a member of several ICAO Council Committees and Groups, and is the current Chairperson of the Implementation, Strategy and Planning Group (ISPG). He has also served a term as the Second Vice-President of the ICAO Council.

Captain Nuhu is the current Coordinator of the AFI Group, an informal group of African countries with resident offices at ICAO headquarters in Montreal, Canada. In addition, he is a member of the Bureau of African Civil Aviation Commission (AFCAC), a specialized aviation agency of the African Union.

Captain Nuhu is a member of several professional organizations, and he holds an Aviation Masters Degree in Business Administration (MBA) from Concordia University, Montréal, in addition to several other professional and managerial qualifications.

FAAN... Flight on Course!



Capt. Rabiu Hamisu Yadudu, IAP Chief Executive of the Federal Airport Authority of Nigeria [FAAN]

Committed to its mission to "develop and profitably manage customer-centric airport facilities for safe, secure and efficient carriage of passengers and goods at world-class standards of quality," Federal Airport Authority of Nigeria (FAAN) is repositioning to deliver improved services to its stakeholders.

Leading this initiative is Capt. Rabiu Hamisu Yadudu, IAP, recently appointed Chief Executive of the agency. A thorough aviation professional, Capt. Yadudu is a professional pilot with more than three decades of industry experience in various positions. He is focused on benchmarking the staff, operations and facilities of FAAN with global best practices.

Capt. Yadudu is determined to leverage staff capacity building, automation and technology to deliver superlative aviation facilitation services in all of Nigeria's 22 airports. He intends to build on the successes achieved previously with the certification of the Murtala Muhammed International Airport, Lagos and the Nnamdi Azikiwe International Airport in Abuja during his tenure as the Director, Airport Operations. Plans are underway to certify more airports with the Mallam Aminu Kano International Airport and the Port Harcourt International Airport almost ready.

The agency is also growing its pool of ICAO-ACI certified airport professionals with 10 staff already graduated from AMPAP. Another group is currently being trained. The emphasis on staff capacity development is further evidenced by the accreditation of the agency's training school as an ICAO-and ACI-certified training facility. Several international trainings have been held at the facility with participants drawn from various countries in Africa and beyond.

As an endorsement of our safety and security procedures, the Nnamdi Azikiwe International Airport in 2018 won The Best Improved Airport in Safety award of the Airports Council International (ACI), Africa Region.

FAAN invites investors to tap into the many business opportunities available at our airports. We are committed to mutually beneficial partnerships to develop key infrastructure within and around our airports.

Federal Airports Authority of Nigeria



VISION

To be amongst the best airport groups in the world

MISSION STATEMENT

To develop and profitably manage customercentric Airport facilities for safe, secure and efficient carriage of passengers and goods at world-class standards of quality.



Murtala Muhammed Airport, P.M.B 21607, Ikeja, Lagos Tel:+234-1-280-0830, Website: www.faannigeria.org

Website: www.faan.gov.ng Facebook Page: FAAN OFFICIAL Twitter Handle: @FAAN_OFFICIAL

MORE ABOUT NIGERIA



Transforming the Nigerian Airspace: Nigerian Airspace Management Agency (NAMA)

Capt. Fola Akinkuotu is the Managing Director/ Chief Executive of the Nigerian Airspace Management Agency (NAMA). He's a renowned and well-grounded pilot and aircraft engineer as well as air worthiness expert.

In response to significant growth in traffic, NAMA has carried out short-, medium-and long-term strategic programmes, in line with the priorities established by the ICAO AFI Region for the implementation of Aviation Systems Block Upgrades (ASBU).

The strategies are geared toward achieving a systematic migration from terrestrial to satellite-based systems to achieve Performance-Based Communication, Navigation and Surveillance, as well as automated Air Traffic Management systems. Their implementation is expected to lead to safe and efficient air navigation services delivery with increased levels of accuracy, integrity, reliability, availability and continuity.

Some recent achievements and projects include:

Managing Director of NAMA, Capt. Fola Akinkuotu, said that the agency had taken drastic steps to tackle communication challenges, especially in the upper airspace, in the past couple of years, and significant progress is being made. Radio communication in the ground control, covering 65 nautical miles at the 32 air traffic control units in Nigerian airports was done under phase one of the project.



The second phase is the tower control, critical for landing and takeoff. The third phase, "approach communication," covers up to 130 nautical miles. The last phase, Area Control or Upper Airspace Communication, may have a few challenges, attributed to the creation of new routes; however, concerted efforts are being made to address these challenges.

NAMA has successfully split the Lagos Sub-Flight Information Region (Sub-FIR) airspace into two sectors to improve the quality of air traffic services in the country. Capt. Akinkuotu disclosed that the two sectors were the Lagos West Area Control Centre on 120.9 MHz radio frequency and Lagos East Area Control Centre on 127.3 MHz frequency. He said the sectorising of Lagos became imperative owing to the increasing volume of traffic and the attendant challenges posed to both pilots and air traffic controllers. The immediate benefits of sectorisation include reduction in congestion on the available en-route control radio frequency, reduction of flight delays and reduction in fuel consumption.

NAMA has concluded arrangements for the deployment of four stand-alone JOTRON high-powered, Very High Frequency (VHF) long range communication radios, each to be installed in Lagos West and Lagos East as well as Kano West and Kano East Area Control Centres (ACCs). This new backup communication solution designed by NAMA is aimed at addressing Remote Control Air to Ground (RCAG) communication challenges in the upper airspace (ACC). With a range of over 260 nautical miles each, the radios have sufficient overlapping of propagated signals to eliminate blind spots. This technology can be used in case of satellite failure, maintenance of satellite or degradation of satellite integrity.

The agency has installed Very High Frequency (VHF) radios across 17 airports and navigational aids across 12 airports in the country. They commenced automation of the Aeronautical Information Service (AIS) early in 2019, and deployed CAT III Systems in the Lagos and Abuja airports in 2018 to enhance visibility and to avoid cancellations of flights.

NAMA commissioned newly installed Instrument Landing System and Distance Measuring Equipment, and has embarked on the routine calibration of navigational aids at airports and en-route stations across Nigeria, including Instrument Landing Systems (ILS), Very High Omni-Directional Radio Range (VOR), Distance Measuring Equipment (DME), Path Approach Precision Indicators (PAPI) and Communication Radio Coverage.

Weather Watchers: Nigerian Meteorological Agency (NiMET)

Prof. Sani Abubakar Mashi is the Director-General / CEO Nigerian Meteorological Agency (NIMET). He is the Permanent Representative of Nigeria and Member of Executive Council to the World Meteorological Organization (WMO).

Established in 2003, NiMET provides meteorological services in support of human and environmental sustainability, policy development, and the safe operation of air, land and marine transportation.



An efficient, well-equipped and technologically driven meteorological agency such as NiMET is critical to aviation safety. Weather forecasting plays a key role in the safety and economy of aviation around the globe. Aviation-specific weather forecasting helps airliners and operators to fly in a safer environment and it also helps them fly in a more economic fashion, which saves fuel and money.

Accordingly, the Government of Nigeria invests significant resources to ensure that NiMET is properly equipped to perform its duties. The Agency boasts a wide range of technological innovations that are revolutionizing its capabilities: Doppler weather radars, Low-Level Wind Shear Alert System (LLWAS) and thunderstorm detectors at some of the Nation's airports. All of these improvements helped the Agency attain ISO 9001:2008 Certification.

Prof. Sani Marshi, Director-General, NiMet, has said that the achievements recorded in the aviation sector has made it a pacesetter to other African countries. Nigeria is the first African country to have met the requirements of the International Civil Aviation Organization (ICAO) and the World Metrological Organisation (WMO) for its quality management system. Prof. Mashi said, "An important component of the airport is the generation and provision of meteorological information. Besides NiMet's statutory responsibility of providing weather information to enable all the sectors of the Nigerian economy to make informed weather decisions, NiMet's paramount objective is safety of air navigation."

The Regional Training Centre (RTC) of NiMet in Oshodi has received full re-accreditation of its training programs by the WMO. Only the RTCs in Nigeria and Kenya achieved this status thus far in Africa.

In a bid to increase the knowledge and consciousness of meteorology in the minds of the younger generation and to expand on its corporate social responsibility, the NiMET has inaugurated the Young Meteorological Ambassadors Programme. Prof. Mashi explained that the programme "was borne out of the desire to cascade the value of weather information down to the young populace in our dear country". The Young Meteorological Ambassadors Programme has as its core objective raising interest in the subject of meteorology among the younger generation by bringing the science and knowledge of meteorology to their academic environment.

Safety Priority One: Accident Investigation Bureau (AIB)

Engr. Akin Olateru is the Commissioner/Chief Executive Officer of the Accident Investigation Bureau of Nigeria. He is an Aircraft Maintenance Engineer Nigerian, UK and USA licenses with an M.Sc. in Air Transport Management.

Through the Civil Aviation Act 2006 (Section 29), the Accident Investigation Bureau (AIB) is an autonomous agency reporting to the President, through the Minister in charge of aviation. The autonomy granted the Bureau is to ensure



its independence from government bureaucracy and political influence, as well as the credibility of its reports.

In addition to investigating accidents and serious incidents, AIB gathers air data and conducts studies to uncover trends and gaps in the system that could impair safety. Prioritized data is relayed to industry stakeholders for required action. The Bureau also conducts inspections of various facilities to monitor compliance with safety recommendations.

"Our fundamental objective is to improve aviation safety by determining the circumstances and causes of air accidents and serious incidents and making safety recommendations intended to prevent recurrence of similar accidents in the future," the AIB states.

The Bureau's FDR/CVR laboratory has the capability to decode, analyze and animate information collected from Flight Data Recorders and Cockpit Voice Recorders. Their material laboratory can conduct scientific tests and re-

search on metals and materials. And they have a large pool of highly trained safety investigators and professionals to conduct quality investigations.

Human Resources Excellence: Nigerian College of Aviation Technology (NCAT)

Captain Abdulsalami Mohammed is the Rector/Chief Executive, of the Nigerian College of Aviation Technology. He has over 18,000 flight hours as a pilot and over 44 years in the Industry, of which over 25 years were in Training Capacity. He started his career as Flight Instructor at the Nigerian Civil Aviation Training Center (now NCAT).

Located at Zaria, in Kaduna State, the Nigerian College of Aviation Technology (NCAT) is the foremost aviation training institution in the West African sub-region. Their vision is to be among the best in the world, and to consistently provide the aviation industry with professionals and other personnel for safe transportation in accordance with international standards.

Its primary responsibility is to make available excellent ab initio training for Commercial Pilots, Air Traffic Con-







trollers, Aircraft Maintenance Engineers, Aeronautical Telecommunications Engineers, Aviation Technicians, and Aeronautical Meteorologists, as well as other aviation specialist professions.

NCAT was established in 1964 for Nigeria and other African countries, in collaboration with ICAO and the United Nations Development Fund (UNDP). The College has more than 40 years of experience in the development of human resources for the aviation industry in Africa.

NCAT offers the most comprehensive Approved Training Organization (ATO) in Africa, namely:

- Flying School
- Aircraft Maintenance Engineering (AME) School
- Aeronautical Telecommunications Engineering [ATE] School
- Air Traffic Services/Communications (ATS) School
- Aviation Management School

Training programmes include training for pilots, ATSEP, cabin crew, flight operations, aviation management, air-

craft maintenance engineering, air traffic services / communication, ICAO Courses (GSI, SMxP, TDC, TMC, TIC, etc), and aeronautical telecommunication engineering.

NCAT credentials include the Nigerian Civil Aviation Authority, ICAO TRAINAIR PLUS (Full Member), IATA Authorized Training Centre, Fully Certified non-accredited Educator Member of the Aviation Accreditation Board International, Full Member of the Association of African Aviation Training Organizations, and the National Board for Technical Education.

NCAT received ICAO TRAINAIR PLUS Awards for three successive years for having the highest number of trained instructors and highest number of delivered ICAO courses.

In May 2019, about 2,000 guests participated in NCAT's maiden "Open Day" programme at the college. The Rector of NCAT, Capt. Abdulsalami Muhammed, said the 'Understanding What We Do Here' theme would attract potential aviation professionals to its activities. "We want the world to know about NCAT and its activities. To many, NCAT is all about piloting and nothing else, but we have to create awareness and let them know that we do more than piloting."









SAO TOME & PRINCIPE

Relationship with ** ICAO



28 February 1977 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

São Tomé

Official Languages

Portuguese

Currency

Dobra

Area

1,001 km²

Population

204 327 (2017)

Gross Domestic Product*

USD 390.9 million USD 1913 per capita

Country Telephone Code

239

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

100 458 passengers

International Cargo Traffic

250 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The Civil Aviation Authority plays a leading role in the development and promotion of the aviation industry. It advises government on aviation issues, regulates the industry and represents consumer interests.
- A new record for passenger traffic was set at Aeroporto Internacional de São Tomé in 2018, with 14 444 more passengers than in 2017. A total of 124 164 passengers used Aeroporto Internacional de São Tomé for their journeys, an increase of 12 percent.
- In 2018, the international segment drove passenger volumes, with an increase of more than 8 percent, or 100 458 passengers compared with the previous year of 92 014 passengers. The international destinations with the largest number of passengers were Lisbon and Luanda.
- In 2007, the Lusophone Community of Civil Aviation Authorities was created to improve cooperation in areas such as safety, security, exchange of information and staff training.

Did You Know... Travel and Tourism

São Tomé and Príncipe, an island country near the equator, is part of a volcano chain featuring striking rock and coral formations, rainforests and beaches. São Tomé is popular for snorkelling in Lagos Azul lagoon. Ôbo Natural Park, a bio-diverse jungle preserve, covers much of São Tomé and is distinguished by Pico Coo Grande. The island of Príncipe was declared a World Biosphere Reserve.







11 November 1960 - Notification of adherence to the Chicago Convention

▼ Minister N'Doye Seck with ICAO's Dr Fang Liu





▲ Blaise Diagne Intl Airport ready in 2017

Facts and Figures

Capital

Dakar

Official Languages

French

Currency

CFA Franc

Area

196 712 km²

Population

12.9 million

Gross Domestic Product*

USD 16.4 billion USD 1033 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

2 million passengers

International Cargo Traffic

32 000 metric tonnes

National Airlines with International Services

Foreign Airlines

31

Looking to the Future

- Senegalese authorities are fully committed to the development of air transport activities in Senegal. This objective is clearly stated in all national economic development plans or strategies, in particular in the plan known officially as "Sénégal Emergent".
- All air transport activities have been transferred to the new Blaise Diagne International Airport, located some 45 km from Dakar. This new airport has an initial capacity of three million passengers annually and accommodates all aircraft types currently operated by commercial airlines.
- The air transport infrastructure is being upgraded to respond to the growing demand for an enhanced quality of service to air carriers operating at Senegalese airports, as well as other users and travellers.
- The safety and security policy allow all operations to fully meet international requirements, under the oversight of the National Civil Aviation Administration (ANACIM).

Did You Know... Travel and Tourism

Apart from its famous beaches, Senegal offers many leisure opportunities to visitors to the country. The Niokolo-koba National Park is a World Heritage Site and a protected area in southeastern Senegal, where a large variety of wild animals are protected. The Basse Casamance Region and the Saloum Delta National Park are large areas of estuaries and islands often visited by tourists.







22 November 1961 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Freetown

Official Languages

English

Currency

Leone

Area

71 740 km²

Population

7.4 million

Gross Domestic Product*

USD 3.8 billion USD 499 per capita

Country Telephone Code

232

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

296 813 passengers

International Cargo Traffic

78 146 metric tonnes

National Airlines with International Services

Foreign Airlines

12

Looking to the Future

- The Government of Sierra Leone has proposed to expand the Lungi International Airport with the construction of a new terminal building, rehabilitation of the runway and the introduction of performance-based navigation (PBN) procedures. All of these are geared towards meeting the growing demands for air transportation in Sierra Leone.
- The Government also plans to construct a 5-kilometre ultra-modern bridge linking the coastal capital to the Freetown International Airport, Lungi. This will ease the burden of facilitation on passengers to and from the airport and will serve as a catalyst for the growth of tourism in Sierra Leone.

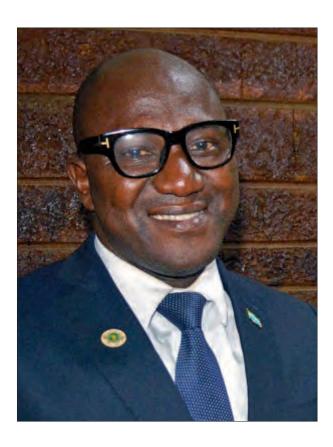
Did You Know... Travel and Tourism

Bunce Island in Sierra Leone was the largest British slave castle on the Rice Coast of West Africa. The history of Transattlantic Slave Trade is incomplete without visiting Bunce Island.

MORE ABOUT SIERRA LEONE

Interview with Moses Tiffa Baio, Director General, Sierra Leone Civil Aviation Authority

Sierra Leone Developing Civil Aviation Master Plan



With the assistance of ICAO's Technical Cooperation Bureau (TCB) and the full support of His Excellency, President Julius Maada Bio, new President since April 2018, the Sierra Leone Civil Aviation Authority (SLCAA) and the Ministry of Transport and Aviation are crafting a master plan for civil aviation in the Republic.

The Civil Aviation Master Plan is a key policy initiative of President Bio's State Opening address to the Parliament in May 2018: "... develop an Air transport master plan to foster the development of a sound and economically viable civil aviation system."

Air transportation plays a significant role in boosting the economy; it provides employment opportunities and contributes to the country's GDP. But those opportunities can only be achieved by promoting economic and vibrant sectors such as tourism, agriculture, trade and aviation.

The ICAO Regional Director for Western and Central Africa, Mr Mam Sait Jallow, has said that, despite the safety and security compliance of Sierra Leone's aviation industry well below the Abuja Safety Target, based on initial steps taken and political support from government, there is a potential for the sector to achieve the 60 percent minimal target by 2020.

A new ICAO aviation safety initiative being launched includes a SAFE Fund Project for the establishment of the civil aviation system and functions, Air Navigation Services, and Aerodrome and Ground Aids (AGA). The project is meant to improve the level of effective implementation of ICAO Standards and Recommended Practices (SARPs) in the relevant areas. The first phase of the project will establish a safety oversight system; the second phase will focus on implementation of the system. The SLCAA is entering into a Management Service Agreement with the ICAO TCB.

As a member of the Banjul Accord Group Aviation Safety Oversight Organisation (BAGASOO), Sierra Leone has been receiving continuous assistance, including aviation safety tools and training of personnel in their utilization. In a recent Memorandum of Understanding, BAGASOO is providing the SLCAA with technical experts in the fields of flight operations, aerodrome, personnel licencing, airworthiness, and aviation legal matters.

The State has also received assistance from the European Aviation Safety Agency (EASA) under the Support to the Improvement of Aviation Safety in Africa (SIASA) project, including support from the UK Civil Aviation Authority International.

An MoU has also been reached with the Nigerian College of Aviation Technology (NCAT) to conduct technical and non-technical training of Sierra Leone students.

Our Mission and Vision is to provide for independent professional oversight of international and domestic air transport and cargo services in compliance with international agreements and obligations relating to civil aviation; thereby to ensure the promotion and development of the aviation sector. With the assistance of ICAO and other ICAO Member States, our dream is slowly coming to fruition. There are challenges but those are mere stepping stones to the attainment if all parties concerned work with concerted effort.







18 May 1965 - Notification of adherence to the Chicago Convention



 $\hbox{\bf *} \ \, \text{As this publication went to press, updated information from the State had not yet reached}$ the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Lome

Official Languages

French

Currency

CFA Franc

Area

54 390 km²

Population

6.6 million

Gross Domestic Product*

USD 4.8 billion USD 617 per capita

Country Telephone Code

228

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

474 252 passengers

International Cargo Traffic

7.1 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Air services agreements concluded with 47 countries.
- SALT, the Togolese Airport Manager, is a member of the Marketing and Management Centre of Switzerland and aims to establish a Quality Management System.
- The Togolese Civil Aviation Authority's training centre offers a number of courses, including cabin crew training and seminars in civil aviation safety and security.
- The Airport Manager is certified ISO 9001.
- In November 2009, Togo hosted the 3rd Meeting of ICAO/ WACAF and ESAF Directors General of Civil Aviation, as well as a seminar on air cargo development in August 2014.

Did You Know... Travel and Tourism

A new terminal being erected at Gnassingbé Eyadema International Airport will be operational at the end of 2014. It will feature next-generation facilities capable of handling 1.5 million to 2 million passengers and 50 000 tonnes of cargo.









ASIA/PACIFIC



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Member States – 39

- Afghanistan
- Australia
- Bangladesh
- Bhutan
- Brunei Darussalam
- Cambodia
- China
- Cook Islands
- Democratic People's Republic of Korea
- Fiji
- India
- Indonesia
- Japan
- Kiribati
- Lao People's Democratic Republic
- Malaysia
- Maldives
- Marshall Islands

- Micronesia (Federated States of)
- Mongolia
- Myanmar
- Nauru
- Nepal
- New Zealand
- Pakistan
- Palau
- Papua New Guinea
- Philippines
- Republic of Korea
- Samoa
- Singapore
- Solomon Islands
- Sri Lanka
- Thailand
- Timor-Leste
- Tonga
- TuvaluVanuatu
- Varidatu
 Viet Nam





AFGHANISTAN

Relationship with ** ICAO



4 April 1947 - Deposit of instrument of ratification of the Chicago Convention

▼ Band e Amir - Hindu Kush Mountains





A HKIA Aircraft Parking - Kabul

Facts and Figures

Capital

Kabul

Official Languages

Pashto and Dari

Currency

Afghani

Area

652 225 km²

Population

34 million

Gross Domestic Product*

USD 20.8 billion USD 586 per capita

Country Telephone Code

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

1 491 490 passengers

International Cargo Traffic

13 265 metric tonnes

National Airlines with International Services

Foreign Airlines

10

Looking to the Future

- Afghanistan is a landlocked country and air transport plays a crucial role in its economic development. The Afghan Government strives to improve its civil aviation sector according to ICAO standards and to be recognized by the global community for providing standard aviation services and facilities within its airspace and airports.
 - Mazar-I-Sharif International Airport and Herat International Airport are developed under this policy.
 - Afghanistan FIR is controlled by ACAA via Afghans and international
 - Afghanistan has signed air services agreements with 36 countries, and others are under negotiation.
 - Special attention is being paid to capacity building of ACAA personnel in order to improve the safety oversight function, and to expand and equip airport facilities with standard requirements.
 - A Multilateration (MLAT) surveillance system has been installed to cover the entire Kabul FIR. It has been activated, in full compliance with safety requirements, and has been declared an RVSM (Reduced Vertical Separation Minima) airspace.

Did You Know... Travel and Tourism

Have you heard of Afghanistan's wonders? Afghanistan is home to numerous historical and natural wonders. Jam Minaret, Malan Bridge, and Buda statues of Barnyan are among the cultural heritages. You may have heard of the natural diversity of Afghanistan, especially the two national parks, Pamir in Badakhshan and Band-e-Amir in Bamyan; they offer visitors a once-in-a-lifetime experience.





AUSTRALIA

Relationship with ** ICAO



1 March 1947 - Deposit of instrument of ratification of the Chicago Convention

▼ Perth Air Traffic Control Tower





▲ Virgin Australia

Facts and Figures

Capital

Canberra

Official Languages

English

Currency

Australian Dollar

Area

7 692 024 km²

Population

24.77 million

Gross Domestic Product*

USD 1.3 trillion USD 53 800 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

157

International Passenger Traffic

38.66 million passengers

International Cargo Traffic

1 044 806 metric tonnes

National Airlines with International Services

Foreign Airlines

63

Looking to the Future

- Australia has been an ICAO Council Member for over 70 years and actively participates in and provides technical and leadership contribution to more than 55 ICAO technical committees and panels. With a strong record of collaboration with its Asia Pacific neighbours and aviation partners, Australia provides assistance and training to over 18 states.
- Australia manages 11 per cent of the world's airspace, and continues to deliver world-leading air traffic management arrangements building on our world-first nationwide ADS-B coverage to provide greater efficiency and safety across our airspace. The OneSKY Australia program will deliver a world-first harmonisation of civil and and military air traffic management systems, enabling safe growth into the future.
- A voluntary participant in CORSIA from 2021, Australia prioritises collaborative efforts to address the environmental impact of aviation.
- With one of the most respected aviation safety systems globally, Australia is a world leader in implementating a State Safety Programme consistent with ICAO's Global Aviation Safety Plan.

Did You Know... Travel and Tourism

Australia has one of the most open aviation markets in the world; air services agreements/arrangements with more than 100 countries/economies make it possible for 9 million overseas tourists to visit Australia every year. Australian airlines have an excellent aviation safety record, with no fatal accidents involving high-capacity civil aircraft since 1969.





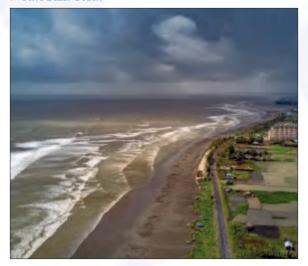
BANGLADESH

Relationship with ICAO



22 December 1972 - Notification of adherence to the Chicago Convention

Cox's Bazar Beach





Facts and Figures

Capital

Dhaka

Official Languages

Bangla (Bengali)

Currency

Taka

Area

147 570 km²

Population

161.3 million

Gross Domestic Product*

USD 249.7 billion USD 1516 per capita

Country Telephone Code

880

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

8 million passengers

International Cargo Traffic

317 000 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The strategic location of Bangladesh, with the opportunity to reach over 40 percent of the world's population in only 6 hours, has made it a unique contender to become an aviation hub in the region.
- Bangladesh has signed air services agreements with 53 countries, including the US, Canada, Turkey and Jordan.
- Bangladesh is one of the "Next 11" countries and with growth of national GDP at 7 percent, the aviation sector in Bangladesh is experiencing annual growth at 8 percent for passenger traffic and 12 percent for cargo traffic, projecting overall 300 percent growth in the next 20 years.
- Key Projects: Construction of a 3rd Terminal at the Hazrat Shahjalal International Airport; upgrading Osmani International Airport; turning the present domestic airport Cox's Bazar into an International Airport and making a new international airport in the name of the father of the Nation, Bangabandhu Sheikh Mujibur Rahman, with a capacity of 50 million passengers; and modernization of the CNS/ATM system, which includes radars, ADS-B, ATM automation, ATC Tower, APIS inline with GANP objectives.

Did You Know... Travel and Tourism

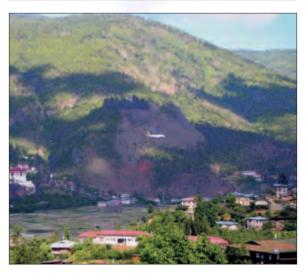
UNESCO World Heritage Sites Bangladesh is the home to the world's longest unbroken sandy sea beach in Cox's Bazar. The mangrove forests and Royal Bengal tigers of the Sundarbans are well-known to all. Bangladesh, a land of fascinating history, vibrant cultures, panoramic beauties, historical ruins, flora and fauna, hills and forests, sandy sea beaches and wildlife, is waiting to welcome you!







17 May 1989 – Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Thimphu

Official Languages

Dzongkha

Currency

Ngultrum

Area

38 394 km²

Population

735 553

Gross Domestic Product*

USD 2.5 billion USD 3110 per capita

Country Telephone Code

975

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

International **Passenger Traffic**

314 069 passengers

International Cargo Traffic

595 metric tonnes

National Airlines with International Services

Foreign Airlines

N/A

Looking to the Future

- The Kingdom of Bhutan adheres strongly to a policy of high-value, low-impact tourism to preserve its rich living culture.
- Bhutan in 2018 saw an increase in international visitors of 7.61 percent in 2017 and a majority of the visitors used air as their mode of transport.
- To accomodate growing demands and to alleviate congestion, the departure terminal at Paro international airport was expanded, and a cargo building and parallel taxiway were constructed in 2018. This increased the capacity of the airport by twofold.
- With the introduction of scheduled domestic flights, the domestic passenger traffic in 2017 saw an increase of 36 percent over 2016.
- Bhutan is a landlocked country and air transport is a primary sector to ensure international access.

Did You Know... Travel and Tourism

The Kingdom of Bhutan adopts a unique development philosophy called Gross National Happiness (GNH) propunded and enabled by the visionary Monarchs. It is a holistic and sustainable approach to development, which balances material and non-material values.

Bhutan is the first and only carbon-negative country in the world due to its unrelenting commitment for environmental protection.





BRUNEI DARUSSALAM

Relationship with ICAO



4 December 1984 - Notification of adherence to the Chicago Convention

▼ Brunei Darussalam International Airport





▲ Omar Ali saifuddien Mosque

Facts and Figures

Capital

Bandar Seri Begawan

Official Languages Malay

Currency

Brunei Dollar

Area

5 765 km²

Population

428 697

Gross Domestic Product*

USD 12.1 billion USD 28 291 per capita

Country Telephone Code

673

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

1.77 million passengers

International Cargo Traffic

23 927 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

INFRASTRUCTURE

Modernization of Brunei International Airport is complete, doubling capacity to three million passengers per year. A pavement rehabilitation project is ongoing to accommodate larger aircraft. The CNS/ATM infrastructure has successfully been upgraded, in line with ICAO's Global Air Navigational Plan.

SAFETY AND SECURITY

Brunei Darussalam is performing a comprehensive review and formulation of a new State civil aviation regulatory framework that includes the reorganization of its civil aviation authority, in line with ICAO requirements.

AVIATION INDUSTRY

Brunei Darussalam has an 'open skies' policy that encourages foreign airlines to operate in the State. It covers both passengers and cargo services. Brunei International Airport aims to rank among the leading airports, with excellent services and an infrastructure that is safe, secure, efficient, modern and comfortable, in compliance with international standards. As part of fleet transition and expansion, Royal Brunei Airlines is acquiring more efficient aircraft.

Did You Know... Travel and Tourism

Bandar Seri Begawan, affectionately referred to as 'Bandar' by locals, is the capital city of the sultanate, and hosts some of Brunei-Muara District's most prominent tourist attractions as well, including the Omar Ali Saifuddien Mosque and Kampong Ayer! The city also lies along the Brunei River, and you can spend an entire day walking around to explore its charms and historical marvels





CAMBODIA

Relationship with ** ICAO



16 January 1956 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Phnom Penh

Official Languages

Khmer

Currency

Riel

Area

181 035 km²

Population

16.5 million

Gross Domestic Product*

USD 22.2 billion USD 1384 per capita

Country Telephone Code

855

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

10.6 million passengers

International Cargo Traffic

73 591 metric tonnes

National Airlines)with International Services

Foreign Airlines

Looking to the Future

- In the next 20 years, ICAO projects that airlines around the world will add 25 000 new aircraft; the aviation industry would need 480 000 new technicians to maintain these aircraft and some 350 000 pilots to fly them. At the heart of global air transport growth, Asia will be the most challenged by this potential shortage of skilled manpower. The Pacific South East Asia region, which includes Cambodia, is one of the fastest-growing in terms of revenue passenger-kilometres.
- Preparing tomorrow's aviation talent: "Connecting Skies" is Cambodia's plan to address the challenge of increasing and shaping aviation's future workforce of professionals. The Cambodia Civil Aviation Authority (SSCA) will work with other government agencies and industry to support holistic efforts at attraction and retention, including the provision of suitable encouragements and support such as:
 - A balanced approach to regulation
 - Increased focus on competency-based training
 - Reaching out to our youth
 - Boosting industry collaboration and Future Ready Aviation 4.0

Did You Know... Travel and Tourism

Come! Visit and experience nature's phenomena. Cambodia Ecotourism features destinations such as Siem Reap (Banteay Srei, Angkor Wat), Mondulkiri (Elephant Valley, hill tribes), Kratie (village homestays, boat trips to visit dolphins, giant turtles), Koh Kong (rainforest, Cardamom Mountains), and Preah Vihear (BeTreed Adventure).

Enjoy and learn about our culture and society.







20 February 1946 - Deposit of instrument of ratification of the Chicago Convention

▼ Beijing Daxing International Airport





▲ The Forbidden City

Facts and Figures

Capital

Beijing

Official Languages

Mandarin Chinese

Currency

Chinese Yuan / Renminbi

Area

9.6 million km²

Population

1.37 billion

Gross Domestic Product*

USD 12.2 trillion USD 8827 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

151

International **Passenger Traffic**

55.45 million passengers

International Cargo Traffic

2.221 million metric tonnes

National Airlines with International Services

Foreign Airlines

138

Looking to the Future

- Chinese civil aviation has always committed to improving service, cementing infrastructure development, fostering independent innovation capabilities, and adhering to sustainable and green development.
- lt is estimated that by 2020, the annual passenger traffic of China's civil aviation will reach 720 million, and cargo and mail turnover will achieve 8.5 million tonnes. It is forecast that in 2035, the air travel of China will exceed one flight per person per year.
- China is making efforts to optimize the layout structure, focusing on enhancing the competitiveness of international hubs in Beijing, Shanghai and Guangzhou, and accelerating the development of international aviation hubs such as Chengdu, Shenzhen, Xi'an and Harbin. It is estimated that in 2035, the number of transport airports will reach 450, among which 60 will have an annual passenger traffic of more than 10 million.
- Deijing Daxing International Airport is expected to become operational before September 30, 2019. In 2021, passenger traffic of the Daxing Airport will reach 45 million, and 72 million by 2025.

Did You Know... Travel and Tourism

China ranks second with 48 UNESCO World Heritage Sites. Grottoes filled with precious murals and sculptures are located along the ancient Silk Road, in Gansu province. The tallest building, at 492 metres, is the World Financial Centre, in Shanghai. The entire country is on one time zone. Chinese cuisine is highly diverse, drawing on millennia of culinary history and geographical variety.





COOK ISLANDS

Relationship with ** ICAO



20 August 1986 - Notification of adherence to the Chicago Convention





Facts and Figures

Capital

Avarua

Official Languages

Cook Islands Maori, English

Currency

New Zealand Dollar

Area

240 km²

Population

21 800

Gross Domestic Product*

USD 294 million USD 14 118 per capita

Country Telephone Code

682

*Source: LINdata 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

174 776 passengers

International Cargo Traffic

1 628 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Served in the 1950s by TEAL Short Solent flying boats on the famous 'Coral Route', the Cook Islands entered the jet age with the opening of the Rarotonga International Airport 2 338-metre paved concrete runway in January 1974.
- Capable of handling widebody aircraft up to Boeing 747s, Rarotonga International Airport now welcomes more than 170 000 visitors annually from all over the world with daily flights to and from Auckland, New Zealand.
- The strength of the airline industry is the people who are compassionate about safety, security and the environment. As the demand has increased for international flights, Airport Authority Cook Islands has recognised the need for a Master Plan to accommodate widebody aircraft, increase in the usage of the Rarotonga International terminal and the demand on infrastructure.
- The Cook Islands recognises the need to share this adventure of a lifetime and celebrates the "75th Anniversary of Aviation since Chicago".

Did You Know... Travel and Tourism

The Cook Islands lies halfway between New Zealand and Hawaii, boasting an idyllic climate, endless adventure, romance and pure relaxation. The main island, Rarotonga, is 32km in circumference, making ease of access to beaches and restaurants a unique aspect of its appeal. Aitutaki has the most beautiful lagoon in the world. Tourism is the key economic driver, welcoming 168 000 visitors in 2018.





DEMOCRATIC PEOPLE'S EPUBLIC OF KOREA

Relationship with ** ICAO



16 August 1977 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Pyongyang

Official Languages

Korean

Currency

Won

Area

123 138 km²

Population

25.2 million

Gross Domestic Product*

USD 16.3 billion USD 648 per capita

Country Telephone Code

850

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

102 309 passengers

International Cargo Traffic

329 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

The first scheduled international service was inaugurated in 1950.

Did You Know... Travel and Tourism

According to the national policy of concentrating all efforts on economic construction, the state investment in the air transport sector is ever-increasing in a planned way.









5 March 1973 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Suva

Official Languages

English

Currency

Fijian Dollar

Area

18 200 km²

Population

884,887

Gross Domestic Product*

USD 5.1 billon USD 5589 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International Passenger Traffic

1.7 million passengers

International Cargo Traffic

67 258 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Fiji hosted the 55th Conference of Directors General of Civil Aviation, Asia and Pacific Region from 22-26 October 2018, contributing to the growth and development of international aviation.
- Nadi International Airport has achieved Level 2 Airport Carbon Accreditation from Airports Council International in March 2019, affirming Fiji's commitment toward reducing our aviation emissions.
- In 2013, the State Safety Programme (SSP) and Safety Management Systems (SMS) became mandatory.
- Fiji's Civil Aviation Authority (CAAF) and Meteorological Authority are ISO 9001:2015 certified.
- Fiji hosts a mainstay of the aeronautical information network in the Asia/Pacific (APAC) Region and has upgraded its CNS/ATM Aeronautical Telecommunication Network (ATN) infrastructure and Automated Message Handling System (AMHS).
- \bigcirc Nadi Flight Information Region (FIR) boundaries are 6.5 million km².

Did You Know... Travel and Tourism

More than 90 percent of Fiji's tourists arrive by air. The national airline, Fiji Airways, and its regional subsidiary, Fiji Link, serve 20 destinations in 14 countries. The airlines have a combined fleet of 20 aircraft: six A330s, four B737NGs, two 737-MAX8s, three ATRs and five DHC6s.







1 March 1947 - Deposit of instrument of ratification of the Chicago Convention

▼ ATC Tower at Delhi





▲ Pakyong Airport, Sikkim

State **Facts and Figures**

Capital

New Delhi

Official Languages

Hindi

Currency

Rupee

Area

3.3 million km²

Population

1.3 billion

Gross Domestic Product*

USD 2.6 trillion USD 1940 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International Passenger Traffic

58.9 million passengers

International Cargo Traffic

1.7 million metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- India is poised to become the 3rd largest aviation market by 2025, according to global aviation forecasts. The domestic passenger traffic has been growing steadily at double digits since 2014. To meet the challenge posed by the phenomenal growth in aviation, Ministry of Civil Aviation, India has taken a number of policy initiatives to sustain and propel growth in the sector.
 - Commitment to the highest levels of Safety and Security through the implementation of ICAO SARPs
 - Adoption of the National Civil Aviation Policy (NCAP) 2016
 - Adoption of the National Green Aviation Policy
 - Regional Connectivity Scheme (RCS-UDAAN) to connect underserved and unserved airports supported by Viability Gap Funding (VGF)
 - 2nd phase of Management and Development of major airports through Private Public Partnerships (PPP)
 - Investor-friendly policies to attract Foreign Direct Investment into the air transport industry
 - Development of a "Drone Eco System Policy roadmap"

Did You Know... Travel and Tourism

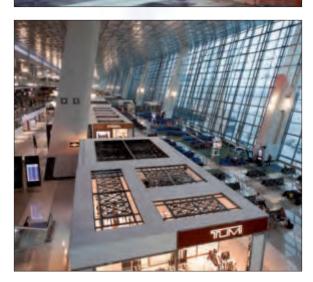
- Slogan of Indian Tourism "Incredible India"
- Motto "Athithi Devo Bhava" (Guest is God)
- Ranked 11th in the world in attracting tourists
- Tourism industry contributes \$130 billion to the GDP
- One stop to see all destinations from Kashmir to Kanyakumari, Kutch to Kolkata, India has mountains, rivers, seas, ocean, Waterfalls, deserts and incredible architecture and people - so diverse.







27 April 1950 – Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Jakarta

Official Languages

Bahasa Indonesia

Currency

Rupiah

Area

1910931 km²

Population

261 million

Gross Domestic Product*

USD 1.1 trillion USD 3847 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

236

International Passenger Traffic

31.5 million passengers

International Cargo Traffic

427 113 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The Indonesia aviation sector is entering a new phase which shows significant improvements in several aspects, namely ICAO USOAP Effective Implementation of 80.84, which is above the world EI rate; Category 1 rating from the US FAA; followed by the European Commission, who have cleared all Indonesian air carriers from the EU Air Safety List on June 2018.
- In the aspect of worldwide connectivity, Indonesian airlines plan to open new routes to Europe and America. International - travelers are more than welcome to enjoy the wonderful Indonesia.
- As a positive impact of this connectivity, most aviation sectors in Indonesia including Maintenance, Repair and Overhaul (MRO) businesses, which will grow rapidly by cooperation opportunities with stakeholders.
- By those accomplishments, international trust will increase toward Indonesian aviation, and it will bring a good impact to economic sectors in the surrounding region.

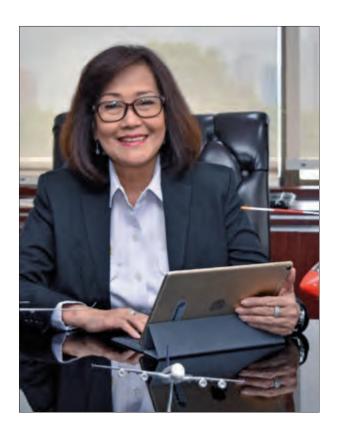
Did You Know... Travel and Tourism

Bali has been Indonesia's famous tourism icon with its natural beauty and cultural charm. Indonesian is developing 10 new tourist destinations, 'New Bali' - Danau Toba, Belitung, Tanjung Lesung, Kepulauan Seribu, Borobudur Temple, Bromo Mountain, Mandalika Lombok, Komodo Island, Wakatobi Nationalm Park and Morotai. These destinations will offer spectacular panoramic beauty and diverse cultures.

MORE ABOUT INDONESIA

Message from the Director General of Civil Aviation

Polana B. Pramesti



Indonesia has enjoyed solid growth in passenger traffic compared with other States. What are recent statistics?

In 2018, Indonesian reached 101.97 million domestic passengers carried with 78 percent load factor, which showed incremental growth of 5.23 percent compared to the previous year of 96.9 million passengers. International passengers grew 14 percent, from 32 million passengers in 2017 to 36 million passengers in 2018.

In a 2017 ICAO audit, Indonesia scored above the global average in six of eight criteria, with an overall compliance rate of 80.84 percent. Has there been another audit since??

There was an EU Safety Assessment Visit in March 2018, resulting in several observation to be addressed by the Directorate General of Civil Aviation (DGCA) Indonesia. Some are accepted as satisfactory, while others are being progressed and monitored intensively. Progress is periodically

reported to the EU and is expected to be finished by 2019. In addition, in September-October 2017, ICAO conducted a USAP-CMA Limited Scope to Indonesia.

In 2015, the US Commerce Department, FAA, and Indonesia established the US -Indonesia Aviation Working Group (AWG). What progress has been made?

Last year's priority was RPAS where DGCA joined the training, job training, workshops and others. This working group will be continued on other important topics. In July 2018, a US-Indonesia AWG discussed Aviation CyberSecurity in Jakarta withpositive input for DGCA Indonesia in implementing the measures on cyber threats. In 2017 an analysis study project, 'Technical Assistant for the Indonesia Eastern Region Aviation Safety Airspace,' resulted in a contribution to set the time slot, implementation of ADS-B, improvement of communication and meteorology facilities in the Papua region.

In the previous ICAO States Today, reference was made to a National Civil Aviation Security Programme (NCASP). What has been done to date with regard to aviation security improvement?

Indonesia established NCASP in Minister of Transportation Decree Number 80 Year 2017; that is now being amended to keep up with Amendment 16 to ICAO Annex 17. DGCA and the National Cyber and Crypto Agency developed an MoU to establish guidance and mitigation procedures to protect information and communication technology of all operators from cyber attack.

What has been done to date with regard to adoption of a safety culture via the National Aviation Safety Programme Workgroup?

DGCA has established the Ministerial Decree No. 93 Year 2016 on the National Aviation Safety Programme; Government Decree No 245 Year 2017 on Mandatory Occurrence Reporting (MOR) System, and Government Decree No 243 Year 2017 on Voluntary Reporting System (VRS) as a guidance for aviation safety management. The Indonesia State Safety Programme (SSP) Task Force was established in 2016 to ensure the acceleration of the SSP implementation.



DG Polana B. Pramesti conducted rampcheck in International Adi Sucipto Airport of Yogyakarta in preparations for Christmas 2018 and New Year 2019.

MOR and VRS also launched to facilitate the collection of information on both occurrences. The voluntary reports captured from the system are routinely analyzed to be published on a safety bulletin called RESPONSE.

Indonesia announced last year plans to add airworthiness inspectors and tighten aviation safety rules. What has happened since the announcement and how is it demonstrating improvement?

DGCA Indonesia hires airworthiness and operations inspector to fill the gap comprised of contracted 55 operations inspectors and 11 airworthiness inspectors from both professional and fresh graduates; training programmes were conducted in 2018. In the first quarter of 2019, 27 operations inspectors deployed to all 10 airport regional offices. Also, the Directorate of Airworthiness and Aircraft Operations (DAAO) organization has been restructured; the subdirectorate is focused to perform a safety oversight of air operators. DAAO will recruit a full-time inspector to replace the existing contracted part-time inspector.

Indonesian airlines were cleared by EASA and the FAA. What is the current status; and what steps are being taken to ensure international acceptance of Indonesian safety efforts?

FAA has categorized Indonesia as CAT 1 since 2017 and an MOU has been signed by both States to maintain its sustainability. FAA provides technical assistance and monitoring to maintain CAT 1 rating.

In terms of the EU, the European Commission removed Indonesia from its Air Safety List on 14 June 2018 and continues to monitor the completion progress of a corrective

action plan (CAP) during the most recent EU Safety Assessment Visit. Indonesia reports its progress continuously, while the EU also assists and monitors the implementation of its CAPs.

In addition, since the last ICAO ICVM in 2017, resulting in 164 not satisfactory PQs, Indonesia continues to complete all findings by 2020.

Indonesia supports the ICAO NCLB initiative by being actively involved in regional activities.

In 2012, AirNav Indonesia was established. What successes has the corporatized model had to date; and what challenges remain?

AirNav is a non-profit enterprise that can be more focused on the safety and security of air transportation in Indonesia. It creates an efficient and professional working environment for ATC in Indonesia. Many improvements have been made such as restructuring of airspace, increasex runway capacity, rejuvenation of communication, etc. Some of the major challenges still remain, such as a significant increase in traffic in the past few years, limited airport capacity, and increasing the safety and services of the eastern part of Indonesia.

What strides has Indonesian aviation made in recent years with regard to environmental issues at airports?

Regarding Indonesia's efforts to actualize environmentally friendly flights, we have been able to reduce the CO_2 emissions aproximately 300,443 tonnes.







8 September 1953 – Notification of adherence to the Chicago Convention

▼ New Chitose Airport passenger terminal





▲ GBAS R&D at New Chitose Airport

State Facts and Figures

Capital

Tokyo

Official Languages

Japanese

Currency

Yen

Area

377 962 km²

Population

127.3 million

Gross Domestic Product*

USD 4.9 trillion USD 38 428 per capita

Country Telephone Code

81

*Source: World Bank 2017

Air Transport Statistics

International Airports

29

Domestic Airports

97

International Passenger Traffic

87 million passengers

International Cargo Traffic

3.5 million metric tonnes

National Airlines with International Services

7

Foreign Airlines

114

Looking to the Future

- Promotion of consignment of airport operations to the private sector
 - •The aim is to vitalize the respective regions and improve the convenience of passengers by fully utilizing the originality and ingenuity of the private sector.
 - Operations of airports by private companies are in progress at Kansai, Itami, Sendai, Takamatsu and Fukuoka Airports. Furthermore, it is planned to start operations by the private companies at seven other airports.
- Japan's efforts to meet growing air traffic volume
 - Japan is addressing more sophisticated ATC functions to facilitate further capacity expansion. Our area control centers are introducing CPDLC (Controller–Pilot Data Link Communications) in domestic air spaces to achieve further improvement of safety and provide efficient traffic control services.
 - •Introduction of GBAS (Ground Based Augmentation System) is not making progress globally because of the challenges of the low magnetic latitude region. Nevertheless, Japan is proactively addressing GBAS in the region utilizing our know-how cultivated through R&D activities.

Did You Know... Travel and Tourism

New Chitose Airport is the largest gateway in Hokkaido, near Sapporo, the central city of Hokkaido. Sapporo is blessed with rich nature, and the climate is characterized by the distinct four seasons. The summer time is crisp and fine weather holds, but you will experience heavy snowfall in winter.





KIRIBATI

Relationship with ** ICAO



14 April 1981 – Notification of adherence to the Chicago Convention



Facts and Figures

Capital

South Tarawa

Official Languages

English, Gilbertese

Currency

Australian Dollar

Area

810 km²

Population

100 786

Gross Domestic Product*

USD 196.1 million USD 1685 per capita

Country Telephone Code

686

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

39 717 passengers

International Cargo Traffic

182 400 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The aviation industry in Kiribati has made tremendous progress in terms of development and capacity building to enhance the safety and security of air transport operations.
 - At the same time, Kiribati has signed a series of agreements with nearby countries and continually negotiates new treaties to allow international aviation to grow and pave the way for the local airline to gain access to new and emerging markets.
 - Under the Kiribati Aviation Implementation Programme, funded by the World Bank, the upgrading of the runway, navigational aids, terminals, and staff training has brought about significant improvements to infrastructure, services and compliance levels. As part of the KAIP's activities, separation of the airport and regulator was achieved and the two entities are working independently since February 2015, thereby encouraging efficiency and effectiveness.
- The Government of Kiribati strongly supports the establishment of international air services and has assigned the national domestic airline, Air Kiribati Limited, to develop a business plan.

Did You Know... Travel and Tourism

Kiribati is known as the first country in the world to greet the sun at the begining of every year. Surrounded by ocean, Kiribati has a unique culture and tradition, and is also known as the best spot for fishing, a key attraction for most tourists.

For further information about Kiribati, browse the MICTTD website at www.micttd.gov.ki or kiribatitourism.gov.ki.





LAO PEOPLE'S DEMOCRATIC REPUBLIC

Relationship with ** ICAO



13 June 1955 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Vientiane

Official Languages

Lao

Currency

Lao Kip (LAK)

Area

238 800 km²

Population

6.8 million

Gross Domestic Product*

USD 16.9 billion USD 2457 per capita

Country Telephone Code

856

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

2 520 374 passengers

International Cargo Traffic

4 022 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- ♦ Lao PDR projects international air transport demands will significantly increase at least 12 percent from the full implementation of the ASEAN Single Aviation Market extended and liberalization of air transport markets bilaterally with its dialogue partners.
- The Vientiane Wattay International Airport expansion project, opened since August 2018, has doubled the terminal size to handle up to 3 million passengers annually. Lao PDR also endeavours to attract more airlines and aviation investors to collaboratively participate in aviation development.
- With the strong initiative to take action on development and improvement of infrastructure, hospitality and service sectors, Lao PDR anticipates facilitating passenger movement smoothly travelling to truly exotic Lao tourist destinations across the country, including Vang Vieng, Luang Prabang, Xieng Khuang, and Champasack, through air transport and intermodal transportations. This would ensure resilient and sustainable development of air transport connectivity of Laos to regional and global destinations gradually.

Did You Know... Travel and Tourism

Luang Prabang has been a UNESCO World Heritage-designated City since 1995, the Charming Jewel where West meets Laos. It is also a Top City by UK Travel Magazine (2019). Wat Phu is Laos' 2nd UNESCO site, built during the late 10th to early 11th century of the Khmer Empire. The Plain of Jars, ancient stone jars believed to be more than 2,000 years old, is Laos' 3rd World Heritage Site as of July.





MALAYSIA

Relationship with ** ICAO



7 April 1958 - Notification of adherence to the Chicago Convention

▼ Malaysia Airlines Airbus A-350 Aircraft





▲ Visual Control Room, Kuala Lumpur International Airport ATC Tower

Facts and Figures

Capital

Kuala Lumpur

Official Languages

Malay

Currency

Malaysia Ringgit (RM)

Area

330 345 km²

Population

32.02 million

Gross Domestic Product*

USD 314.5 billion USD 9 945 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

49.9 million passengers

International Cargo Traffic

997 172 metric tonnes

National Airlines with International Services

Foreign Airlines

83

Looking to the Future

- Malaysia is forecasting for the passenger traffic to grow by 2.2% -3.3% YoY in 2019, translating into 102.5 million – 103.5 million passengers.
- A new Kuala Lumpur Air Traffic Control Centre (KLATCC) is being constructed and is expected to be fully operational by 2020. The everincreasing congestion in the airspace calls for more efficient use of airspace within the overall parameters of safety.
- A project on the replacement of air traffic management system in Kota Kinabalu Flight Information Region is due to be completed by 2022. It involves the replacement and installation of new radars and Automatic Dependent Surveillance-Broadcasts.
- The Department of Civil Aviation Malaysia was transformed into a statutory body in February 2018 known as Civil Aviation Authority of Malaysia. It regulates safety and security provisions of the civil aviation.
- The Malaysian Aviation Consumer Protection Code was adopted from ICAO's Core Principles on Consumer Protection. It stipulates minimum service standards to benefit consumers.

Did You Know... Travel and Tourism

Malaysia is a bubbling, bustling melting-pot of races and religions live together in multiculturalism. Malaysia is a gastronomical paradise and home to hundreds of colorful places of interest, including World Heritage Sites, Malacca and Penang, which have developed over 500 years of trading and cultural exchanges between East and West. Enjoy tropical weather year-round with warm-hearted, friendly Malaysians.







12 March 1974 - Notification of adherence to the Chicago Convention



* As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Male'

Official Languages

Dhivehi

Currency

Rufiya

Area

298 km²

Population

330 000

Gross Domestic Product*

USD 4.6 billion USD 10 536 per capita

Country Telephone Code

960

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International Passenger Traffic

2.3 million passengers

International **Cargo Traffic**

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Maldives, with four other Member States, is working with ICAO to formulate a model regulation for water aerodrome operations in the APAC Region.
- Concluded bilateral air services agreements with 46 countries.
- Detween 2011 and 2013, passenger traffic at airports increased by 6.6%, from 3.76 million passengers to 4.01 million passengers, while freight increased by 4.8%, from 37 700 metric tonnes to 39 500 metric tonnes.
- Maldives currently has four AOC holders, one FTO, and a total of 68 aircraft on its civil registry consisting of 10 aircraft types.

Did You Know... Travel and Tourism

Maldives has the world's largest fleet of Twin Otters, with more than a decade of operational experience. It also has the largest water aerodrome operation in the world, with more than 70 landing sites and handling an average of 300 daily movements carrying 500 000 passengers annually.





MARSHALL ISLANDS*

Relationship with ICAO



18 March 1988 - Notification of adherence to the Chicago Convention



^{*} As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Majuro

Official Languages

Marshallese, English

Currency

U.S. Dollar

Area

180 km²

Population

52 555

Gross Domestic Product*

USD 199.4 million USD 3 753 per capita

Country Telephone Code

692

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

19 138 passengers

International Cargo Traffic

492 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The Marshall Islands are served through the Marshall Islands International Airport in Majuro, the Bucholz Army Airfield in Kwajalein and other small airports and airstrips.
- Air Marshall Islands operates inter-island services in the Central Pacific. Its main base is Marshall Islands International Airport.

Did You Know... Travel and Tourism

In October 2011, the government declared that an area of nearly 2 million km² of ocean would be reserved as a shark sanctuary, the largest in the world. In the protected waters, all shark fishing is banned and all by-catch must be released.



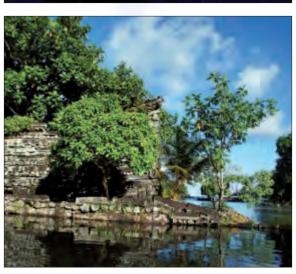


MICRONESIA* (FEDERATED STATES OF)

Relationship with W ICAO



27 September 1988 - Notification of adherence to the Chicago Convention



* As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Palikir

Official Languages

English

Currency

U.S. Dollar

Area

700 km²

Population

103 395

Gross Domestic Product*

USD 336.4 million USD 3188 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

N/A passengers

International Cargo Traffic

N/A passengers

National Airlines with International Services

N/A

Foreign Airlines

N/A

Looking to the Future

The region's major airline is Continental Micronesia.

Did You Know... Travel and Tourism

The islands of Micronesia are strewn across thousands of square kilometres. They offer a world-class diving destination of warm coral seas and tiny tropical islands.





MONGOLIA

Relationship with ** ICAO



7 September 1989 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Ulaanbaatar

Official Languages

Mongolian

Currency

Tugrik

Area

1 564 115 km²

Population

3.2 million

Gross Domestic Product*

USD 11.5 billion USD 3 735 per capita

Country Telephone Code

976

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International Passenger Traffic

1 020 891 passengers

International Cargo Traffic

5 284 metric tonnes

National Airlines with International Services

Foreign Airlines

10

Looking to the Future

- In 2017, Mongolia hosted the 54th Directors General of Civil Aviation Conference where the Asia and Pacific aviation community with more than 340 guests from 34 states, including Hong Kong and Macau, the Special Administrative Regions of the People's Republic of China.
- The construction of the new international airport of Ulaanbaatar was successfully completed and numerous test flights carried out since the end of 2018. Commencement of the new airport operation is scheduled for 2020
- Using the geographical advantage connecting East Asia with Europe, we prepared the most flexible and free air routes for the airlines in the airspace of Mongolia.
- Based on the continued enhancements conducted in the field of ANS, overflight increased 11.1 percent from 2017 to 2018 and is expected to further increase based on performance-based routes.
- Mongolia is one of the first countries using ADS-B for ATS separation, and the country successfully shifted from AIS to AIM in the Asia-Pacific region; the third phase of PBN is planned through 2025.

Did You Know... Travel and Tourism

The homeland of nomads, where a culture of hospitality has been ingrained over centuries. Today, visitors are spoiled in terms of activities, with a wide range of business and leisure facilities offering world-class dining, recreation. The country of unforgettable landscapes is waiting for you to taste the freedom, hear the vastness, smell the cold, see the tranquility and feel the blue sky.



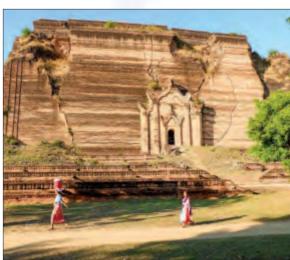




8 July 1948 – Notification of adherence to the Chicago Convention

▼ Kawthaung Cocks Comb Island, Tanintharyi Region





▲ Mingu Temple, Sagaing Region

Facts and Figures

Capital

Nay Pyi Taw

Official Languages

Myanmar

Currency

Kyat

Area

676 577 km²

Population

53.4 million

Gross Domestic Product*

USD 69.3 billion USD 1299 per capita

Country Telephone Code

Air Transport Statistics

International Airports

Domestic Airports

International **Passenger Traffic**

4.4 million passengers

International Cargo Traffic

55 207 metric tonnes

National Airlines with International Services

Foreign Airlines

28

Looking to the Future

The Department of Civil Aviation of Myanmar is striving for better tomorrows by creating and continually strengthening a safe, secure, efficient, sustainable and environmentally friendly Myanmar aviation industry for the enhancement of trade and tourism sectors development.

Did You Know... Travel and Tourism

Myanmar has the beautiful places to make you fall in love with a diversity of terrain that ranges from ice-capped mountains in the north, to pagoda-filled plains in the centre, to miles of pristine beaches along the coast. Visitors are drawn not only by its mountains, temples, beaches, islands, and lakes but also with the local culture of people living in these places.





NAURU*

Relationship with ICAO



25 August 1975 - Notification of adherence to the Chicago Convention



As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Yaren

Official Languages

Nauruan

Currency

Australian Dollar

Area

21 km²

Population Population

9 378

Gross Domestic Product*

USD 113.9 million USD 8 344 per capita

Country Telephone Code

674

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

N/A passengers

International Cargo Traffic

N/A metric tonnes

National Airlines with International Services

N/A

Foreign Airlines

N/A

Looking to the Future

Nauru International Airport, the sole airport on the island of the Republic of Nauru, is currently serving four international destinations, with Nauru's national Airline, Nauru Airlines.

Did You Know... Travel and Tourism

The people of Nauru are comprised of 12 tribes, as symbolized by the 12-pointed star on the Nauru flag and are believed to be a mixture of Micronesian, Polynesian and Melanesian descent.







29 June 1960 - Notification of adherence to the Chicago Convention

▼ Rara Lake





▲ Surkhet Airport

Facts and Figures

Capital

Kathmandu

Official Languages

Nepali

Currency

Nepali Rupee

Area

147 181 km²

Population

26.6 million

Gross Domestic Product*

USD 24.5 billion USD 835 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

International **Passenger Traffic**

3.8 million passengers

International Cargo Traffic

20 666 metric tonnes

National Airlines with International Services

Foreign Airlines

27

Looking to the Future

- O Gautam Buddha Regional International Airport, Bhairahawa, is expected to be operational in late 2019 and will prove critical in further developing nearby Lumbini, the birthplace of Lord Buddha, as an attractive cultural and tourist destination. The construction of the regional international airport at Pokhara is also ongoing. Pokhara is one of the major tourist destinations of Nepal and both the airports will play a pivotal role in the enhancement of the Nepalese tourism industry.
- The Tribhuvan International Airport (TIA) improvement project, the first phase of which will be completed by 2019, shall be finally completed in 2028, increasing the current airport area to 90 000 sqkm. After completion of the project, TIA will be able to handle more than 5.85 million passengers annually and accommodate larger aircraft.

Did You Know... Travel and Tourism

Kathmandu Valley alone has seven UNESCO World Heritage Cultural sites within a radius of 15 kilometers. Kathmandu is known to be the living cultural museum of the world.

Civil Aviation Advancements in Nepal

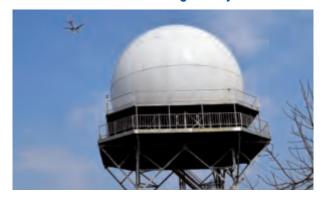
The continued growth in the tourism industry, together with internal air travel growth, has heightened the importance of air transportation in Nepal. The tremendous geographical diversity and wide range of climate render modes of transportation other than air transport very difficult.

Aviation safety

The diversity of weather patterns and topographical complexity of remote Nepal allow only "altiports" that can serve small aircraft. In the past, the accident rate relating to small passenger aircraft with 19 or fewer seats was comparatively high. A joint initiative of the Civil Aviation Authority of Nepal (CAAN) and airline operators has significantly reduced the number of accidents in STOL (short take off and landing) operations.

The removal of a significant safety concern by the ICAO validation mission in 2017 and the attainment of a safety compliance rate higher than the global average have created huge impacts on Nepali aviation. The recognition received through an ICAO Council President Certificate (2018) has boosted the vigor and pace for the journey towards safety and efficiency of air transportation in Nepal. Nepal has developed the Nepal Aviation Safety Plan (2018-2022) in line with the ICAO Global Aviation Safety Plan, and commenced activities related to setting up a foundation for structuring a firm State Safety Plan at a faster pace.

Modernization of the Air Navigation System



Modernization of air navigation services has been a focus of CAAN. VHF communication coverage has been significantly improved with the installation of Remote Communications Air/Ground stations RCAG-West and RCAG-East. Two new MSSR-Mode S Radar Systems (Monopulse Secondary Surveillance Radar) have been brought into operation in 2018. One of these radars has been installed at Tribhuvan International Airport (TIA) for Terminal Surveillance up to 200nm and another long-range radar is atop Mount Bhattedada near Kathmandu for En-route Surveillance, covering up to 250nm. Four ADS-B (automatic dependent surveillance - broadcast)

sensors are being installed at major domestic hub airports throughout the country and connected with existing Radar Multi Sensor Data Processing Systems (MSDPS) to extend the surveillance service as well as to serve as backup to the existing MSSR system by 2019. A performance-based navigation (PBN) implementation plan has been developed as per ICAO's Regional PBN Implementation Plan and Global Plan guidelines. RNAV (area navigation) terminal applications have been implemented at TIA (VNKT), Biratnagar (VNVT), Dhangadi (VNDH) and Chandragadi (VNCG). ATS route automation has been introduced at TIA.

Airport Infrastructure Development



Gautam Buddha International Airport

Pokhara Regional International Airport is planned to be completed in 2021. This airport can serve medium-size jet aeroplane categorizes such as A320 and B737.

The International Airport to be constructed at Nijgarh, Bara will be the biggest in South Asia in terms of area, covering 8,045 hectares. The environmental impact assessment regarding the airport has been approved by the Ministry of Forestry and Environment, and the airport is expected to commence operations by 2025.







NEW ZEALAND

Relationship with W ICAO



7 March 1947 - Deposit of instrument of ratification of the Chicago Convention

▼ Milford Sound, Fjord in the Southwest





▲ Air New Zealand Boeing 787

Facts and Figures

Capital

Wellington

Official Languages

English, Māori, NZ Sign Language

Currency

New Zealand Dollar

Area

269 652 km²

Population

4.9 million

Gross Domestic Product*

USD 205.9 billion USD 42 941 per capita

Country Telephone Code

Air Transport **Statistics**

International Airports

Domestic Airports

International Passenger Traffic

6.6 million passengers

International Cargo Traffic

National Airlines with International Services

Foreign Airlines

50

Looking to the Future

The next three years will be some of the most challenging experienced by the Civil Aviation Authority NZ as we continue to respond to an increased demand for our regulatory and security services.

Drivers of this include:

- Continued movement towards performance-based regulation and safety management to better mitigate and manage risk in the aviation system;
- Growth in new and novel disruptive technologies such as Remotely Piloted Aircraft Systems; and
- A complex aviation security environment combined with sustained growth in international visitor numbers.

Did You Know... Travel and Tourism

Christchurch, on New Zealand's South Island, is the smallest city in the world to have a daily A380 service. The double-deck, widebody, four-engine jet airliner, operated by Emirates, flies Christchurch-Sydney-Dubai and onward to 38 destinations in Europe, 22 in Africa and 17 in the Middle East.

^{*}Source: World Bank 2017







6 November 1947 - Notification of adherence to the Chicago Convention

▼ Islamabad International Airport





Swat Valley in the Northern Part

Facts and Figures

Capital

Islamabad

Official Languages

English, Urdu

Currency

Pakistan Rupee

Area

796 095 km²

Population

207.8 million

Gross Domestic Product*

USD 305 billion USD 1548 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

14.6 million passengers

International Cargo Traffic

252 940 metric tonnes

National Airlines with International Services

Foreign Airlines

25

Looking to the Future

- Commensurate with rapid traffic growth, Pakistan has upgraded its air navigation infrastructure with adequate communication, navigation and surveillance facilities and is also implementing Aviation Safety Block Upgrade (ASBU) modules including performance-based navigation (PBN) aligned with the ICAO GANP.
- Similarly, ground infrastructure is being improved. A newly inaugurated Islamabad Int'l is the most modern greenfield airport in the country. All other major int'l airports have been expanded and upgraded, and an expansion of Allama Igbal Int'l Airport is underway.
- Pakistan is gaining prominence, driven by the China-Pakistan Economic Corridor (CPEC). With enhanced business and economic activities under CPEC, the civil aviation industry will get a significant boost. Existing airports along with the under-construction new Gwadar Int'l Airport, coupled with road/rail networks, will facilitate investment in the special economic industrial zones in the country. The improved accessibility will be a stimulus for the tourism and hotel industry in Pakistan and the region.

Did You Know... Travel and Tourism

Pakistan has great potential for religious, archaeological and adventure tourism. It has a number of religious sites, including the holy places of Hinduism, Buddhism and Sikhism. It has wonderful archaeological sites at Moenjodaro, Harappa, and Taxila. Pakistan hosts five peaks above 8,000m, including the second highest mountain K-2, lush green valleys, amazing rivers and blazing deserts.







4 October 1995 - Notification of adherence to the Chicago Convention



* As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Ngerulmud, Melekeok

Official Languages

English and Palauan

Currency

U.S. Dollar

Area

444 km²

Population

20 956

Gross Domestic Product*

USD 291.6 million USD 13 417 per capita

Country Telephone Code

680

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

100 000 passengers

International Cargo Traffic

N/A metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Since 2006, Palau through the U.S. Federal Aviation Administration Air Port Improvement Program, has received grants to improve the Palau International Airport Runway, Security Fence, and including notably a newly built Aircraft Rescue and Fire Fighting (ARFF) Facility.
- In 2003, Palau International Airport opened its new terminal building thanks to a grant from the Government of Japan. The total cost of the project is estimated at USD 15 million.
- Palau is the recipient of Civil Aviation Training Awards, through the Civil Aviation Authority of Singapore, to help train personnel working in the aviation industry.

Did You Know... Travel and Tourism

In 2010, Palau received its 100 000th visitor, as part of a married couple from Japan.





PAPUA NEW GUINEA

Relationship with ** ICAO



15 December 1975 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Port Moresby

Official Languages

Tok Pisin, Hiri Motu, English

Currency

Kina

Area

463 000 km²

Population

8.25 million

Gross Domestic Product*

USD 21 billion USD 2556 per capita

Country Telephone Code

675

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

650 000 passengers

International Cargo Traffic

17 000 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The modernisation of CNS/ATM known as NIU SKY to include ADS-B and core ATM automation is complete with new system used for Upper airspace. Cross over for all sectors will be completed by end of 2019.
- Upgrade of the ILS in Port Moresby completed and commissioned.
- Pavement strengthening and lengthening of runway for a number of airports to accommodate wide body aircraft ongoing.
- Rehabilitation of 150 rural airstrips serving the rural population of PNG completed.
- S GNSS project producing new and revised instrument approach charts based on GPS satellite for up to 37 airports and rural airstrips completed with 16 Flight Procedures approved for publication. WGS-84 Survey for additional 6 airports under GNSS project is
- > VHF upgrade to improve communication coverage across the Port Moresby FIR continues.

Did You Know... Travel and Tourism

- PNG has over 851 different languages, immense cultural and biological diversity and many tribal villages.
- The Fuzzy Wuzzy Angels was the name given to local village PNG war carriers who brought supplies up to the front and carried injured troops down the Kokoda trail during the Kokoda campaign.





PHILIPPINES

Relationship with ** ICAO



1 March 1947 - Deposit of instrument of ratification of the Chicago Convention

▼ Bohol-Panglao International Airport





▲ Philippine Air Traffic Management Center

Facts and Figures

Capital

Manila

Official Languages

Filipino and English

Currency

Peso

Area

300 000 km²

Population

105 million

Gross Domestic Product*

USD 313.6 billion USD 2 989 per capita

Country Telephone Code

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

6 925 068 passengers

International Cargo Traffic

1.07 million metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The CAAP is continuously working toward becoming a reputable authority in civil aviation by strengthening its compliance with ICAO SARPs, and by engaging in collaborative efforts with local and foreign aviation bodies.
 - To develop the "Next Generation of Aviation Professionals," the CAAP in 2018 commenced its Comprehensive Air Traffic Service (CATS) Course, Basic Communication Navigation Surveillance System Officer (CNSSO) Course, and Advanced Masters in Aviation Security Management (AMASM) Course.
 - For ATM efficiency, the CAAP inaugurated its new CNS/ATM facility, which will result in increased surveillance over the Manila FIR and better air traffic flow management for the whole country.
 - The CAAP is expanding the operations of the airports it manages to enable its night landing capabilities and accommodate more flights, aiming to night-rate 42 airports around the country.
 - The country's first eco airport, the new Bohol-Panglao International Airport, was inaugurated in Nov 2018, featuring green and sustainable structures such as solar panels and motion sensor lighting.

Did You Know... Travel and Tourism

With 7,641 islands, the Philippines is known for its abundant biodiversity. Its beaches, mountains, rainforests, and surfing and diving spots are among its most popular tourist attractions. This paradise getaway offers a rich cultural heritage, with major influences coming from Spain, China, America, Japan, India, and Korea, and an east-meets-west cuisine served with heartwarming hospitality.





REPUBLIC OF KOREA

Relationship with ** ICAO



11 November 1952 - Notification of adherence to the Chicago Convention

▼ Autumn of Korea





▲ Incheon International Airport

Facts and Figures

Capital

Seoul

Official Languages

Korean

Currency

Won (KRW)

Area

100 326 km²

Population

51 million

Gross Domestic Product*

USD 1.5 trillion USD 29 743 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

86 million passengers

International Cargo Traffic

4 million metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Improving aviation safety, which has been and will remain the top priority, through enhancing proactive safety risk management.
- Moving toward a harmonized global air navigation system built on modern performance-based procedures and technologies to increase capacity and improve environmental efficiency.
- Evolving to become an aviation network hub for Northeast Asia by expanding its international aviation network.
- Strengthening consumer policies to protect the rights of an evergrowing number of air transport users, while improving convenience and accessibility.
- Supporting, directly and indirectly, the harmonized development of international aviation safety and security, consistent with ICAO's 'No Country Left Behind' campaign.
- Realizing global mega airport Pax: 100 million, Cargo: 6.3 million metric tonnes, A/C movement: 560,000 through the 4th phase construction project in 2023.

Did You Know... Travel and Tourism

The globe is heated with craze for the "Korean Wave" - Psy's Gangnam Style has swept the world with its rhythmic horse's hoofs nd now the hottest boy band BTS is fascinating Southeast Asia, Europe and the American continents with Korean pop culture. Care to venture out and see what Korea has to offer? We invite you to enjoy the youth of BTS to the fullest in Hongdae or Gangnam in Korea.





Relationship with W ICAO



21 November 1996 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Official Languages

Samoan and English

Currency

Tala

Area

2 831 km²

Population

188 889

Gross Domestic Product*

USD 856.6 million USD 4361 per capita

Country Telephone Code

685

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

N/A passengers

International Cargo Traffic

N/A metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- All four airports in Samoa are managed and operated by the Samoa Airport Authority, a State-owned enterprise.
- After exiting from the MALIAT agreement, effective 9 March 2019, air transport services are in accordance with air services agreements (ASA) entered into by Samoa with other States.
- Upgrading of Faleolo International Airport commenced in July 2015 in collaboration with the Shanghai Construction Group LTd of China.
 - Phase I, the Departure Terminal, was officially opened for use in 2017.
 - Phase II, the new Arrivals Area, was completed and started operating in May 2018.
 - Upgrades of the passenger arrival and departure terminals extended the terminal capacity from 5,500sqm to 12,000sqm.
 - Three aerobridges, a first in Samoa, officially opened for use as of 28 May 2019.
- A new airport is now under construction for the Eastern side of the Island of Upolu.

Did You Know... Travel and Tourism

The fa'a Samoa, or traditional way, remains a strong force in Samoan life. Despite centuries of European influence, Samoa maintains its historical customs, social and political systems, and language. Items of cultural value include the finely woven 'ie toga. Visit our website: www.samoa.travel





Relationship with ** ICAO



20 May 1966 - Notification of adherence to the Chicago Convention

A garden city ensconced in greenery





The Singapore Changi Airport ecosystem

Facts and Figures

Capital

Singapore

Official Languages

English, Malay, Chinese, Tamil

Currency

Singapore Dollar

Area

720 km²

Population

5.6 million

Gross Domestic Product*

USD 323.9 billion USD 57 714 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

62.2 million passengers

International Cargo Traffic

2.1 million metric tonnes

National Airlines with International Services

Foreign Airlines

114

Looking to the Future

- International aviation plays a critical and catalytic role in Singapore's development, even as we have grown into an aviation hub. Singapore celebrates the 75th anniversary of the founding of ICAO, and is committed to supporting ICAO's vision of sustainable civil aviation growth for the future through:
 - Expanding capabilities through ATM innovations, by harnessing advances in air navigation technologies and operational processes, utilising innovative concepts such as smart digital towers, artificial intelligence (AI), and speech recognition to manage one of the most complex Flight Information Regions;
 - Enlarging aviation capacity ahead of demand, to increase Changi Airport's annual passenger capacity to 135 million by 2030;
 - Enabling generations of aviation professionals, through the Singapore Aviation Academy providing training to 120,000 aviators from over 200 countries and territories;
 - Encouraging environmental sustainability for aviation, through deployment of operational and technical efforts in emissions mitigation and research in sustainable aviation fuels.

Did You Know... Travel and Tourism

- Singapore is an island city connected to 406 cities in some 100 countries and territories.
- A garden city dotted with unspoiled nature reserves, urban parks and the Singapore Botanic Gardens, a UNESCO World Heritage Site.
- Our cultural tapestry is an endearing feature, with many of the world's ethnicities and religions living in harmony. Our culinary scene is reflective of this diversity.





SOLOMON ISLANDS*

Relationship with ** ICAO



11 April 1985 – Notification of adherence to the Chicago Convention



* As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Honiara

Official Languages

English

Currency

Solomon Islands Dollar

Area

27 990 km²

Population

549 598

Gross Domestic Product*

USD 1.3 billion USD 2132 per capita

Country Telephone Code

677

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

150 000 passengers

International Cargo Traffic

1500 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- By January 2017, the Government will establish and certify an airport company to manage, develop and modernize the airport system. Related developments in this sector will include:
 - Tar sealing of three additional domestic aerodromes, to facilitate DHC-8 operations and extend tourism reach to provinces
 - undertaking Phase 2 developments at Munda Airport, to ensure its status as a weather alternate facility for Honiara International Airport.
 - Phase 2 activities will include fencing, ground lighting, and facilities for fire fighting and navigation aids
 - extending the Honiara International Airport runway by a further 300 meters to accommodate larger aircrafts
 - expanding two parking bays of the Honiara International Airport apron, to provide extra capacity for aircraft operations

Did You Know... Travel and Tourism

Guadalcanal Island, where the capital Honiara is located, was the theatre of some of the fiercest battles of World War II. Iron Bottom Sound was the name given to the stretch of water between Guadalcanal and Florida Islands, due to the number of sunken ships during the war. This makes it an attractive diving site for many visiting tourists who can explore the wrecks that litter its bottom.





SRI LANKA

Relationship with ** ICAO



I June 1948 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Sri Jayawardenepura Kotte

Official Languages

Sinhala, Tamil

Currency

Sri Lankan Rupee

Area

65 610 km²

Population

21.4 million

Gross Domestic Product*

USD 87.2 billion USD 4065 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

25 including Water Aerodromes

International **Passenger Traffic**

9.8 million passengers

International Cargo Traffic

266 264 metric tonnes

National Airlines with International Services

Foreign Airlines

42

Looking to the Future

- The ICAO audit conducted in 2018 under USOAP has shown effective implementation of ICAO Standards and Recommended Practices in Sri Lanka as 88.44%, much higher than the world average and number one in South Asia and number 6 in the Asia Pacific Region.
- The ICAO Conference on Airservices Negotiations was held in Sri Lanka in 2017
- Batticaloa domestic airport was opened for civil operations from 2018 with the intention of promoting domestic aviation and tourism within the country. Sri Lanka is planning to develop Palaly Domestic Airport, Jaffna which is situated in the Northern part of Sri Lanka as a regional international airport.
- The Sri Lankan tourism industry continued its growth momentum during 2018, recorded as 2.3 million (10.3% YoY change).
- The Government continued efforts to establish international hotel brands such as Shangri-La Group, USA's Sheraton brand, Switzerland's Movenpick Hotels, Spain's RIU Hotels and Singapore's Aman Resorts in Sri Lanka.

Did You Know... Travel and Tourism

SriLanka is a unique destination which offers diversity of attractions, endless beaches, mountains, ruins in ancient cities, cultural heritages and wild life.

SriLanka offers eight UNESCO world heritage sites with 22 national parks, whale/dolphin watching, snorkeling, scuba diving, surfing, kitesurfing, rafting, hiking and waterfall climbing, and kandy perahera (Sri Dalada Maligawa), the world's largest cultural parade.





Relationship with ICAO



4 April 1947 - Deposit of instrument of ratification of the Chicago Convention



Facts and Figures

Capital

Bangkok

Official Languages

Thai

Currency

Baht

Area

513 000 km²

Population

69.04 million

Gross Domestic Product*

USD 455.2 billion USD 6 594 per capita

Country Telephone Code

66

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

78 million passengers

International Cargo Traffic

1.5 million metric tonnes

National Airlines with International Services

Foreign Airlines

110

Looking to the Future

- Concluded air services agreements with 104 countries.
- Thailand has been selected to host important international events:

- Regional Aviation Security Conference of Global Aviation Security Plan (GASeP) to improve Global Civil Aviation security.
- Dreams Soar outreach event organized in Thailand as the country was along the route of Capt. Shaesta Waiz, the youngest woman to complete a solo flight around the world in a single-engine aircraft. The event was held to share her story to inspire women and youth to realize the possibility of their dreams to pursue careers in aviation as well as promoting Science, Technology, Engineering and Math (STEM).

2018

• 66th International Congress of Aviation and Space Medicine 2018 (ICASM 2018), theme "Sharing the Sky Safely," following the previous success hosting ICASM 2008. The congress was a stage to share the experience and information on Aviation and Space Medicine from professionals around the world.

Did You Know... Travel and Tourism

Since 1994, "National Aviation Day" has been celebrated annually on 13 January in commemoration of the day in 1914 when King Rama VI witnessed the first trial flight operated by Thai pilots.





TIMOR-LESTE

Relationship with ICAO



4 August 2005 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Official Languages

Tetun, Portuguese

Currency

US Dollar

Area

14 870 km²

Population

1 167 242 (Census 2015)

Gross Domestic Product*

USD 3 billion USD 2279 per capita

Country Telephone Code

+670

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

246 928 passengers

International Cargo Traffic

182 metric tonnes

National Airlines with International Services

N/A

Foreign Airlines

Looking to the Future

- Presidente Nicolao Lobato International Airport is the main airport providing services for international passengers.
- Two recently built airports, Suai and Oecusi, serve Domestic and International operations.

Did You Know... Travel and Tourism

Timor-Leste has concluded air services agreements with Indonesia, Singapore and Australia. The next air services agreement negotations will be with Philippines, Malaysia, Qatar, United Arab Emirates, China, New Zealand and Brunie Darusallam.





TONGA

Relationship with ** ICAO



2 November 1984 - Deposit of instrument of ratification of the Chicago Convention



Facts and Figures

Capital

Nuku'alofa

Official Languages

Tongan, English

Currency

Pa'anga

Area

748 km²

Population

109 008

Gross Domestic Product*

USD 426 million USD 3 944 per capita

Country Telephone Code

676

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

156 028 passengers

International Cargo Traffic

1 544 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- To provide safe, reliable and affordable air transport services" is the main objective of the Civil Aviation Division (CAD) of Tonga. To achieve this objective, these plans were established to promote travel and tourism:
 - Continuously review the new legislative framework and identify any gaps in relation to ICAO SARPs
 - Promote industry and public awareness of changes to the legislative framework
 - CAD to maintain and enhance its working relationship with relevant international and regional bodies/organizations
 - CAD to maintain or enhance its working relationship with PASO and/or NZCAA
 - CAD to maintain its relationship with certificate holders, e.g. continuously liaising with Tonga Airport Limited in providing a safe, secure and competitive civil aviation environment that encourages airlines to service Tonga in increasing numbers

Did You Know... Travel and Tourism

Located to the west of the International Dateline, Tonga is the first Pacific nation to greet the new day. There is so much to see, do and experience when you visit islands such as Tongatapu, Vava'u, Ha'apai and 'Eua. Those seeking adventure can go scuba diving, whale watching, etc. Travellers can simply enjoy the pace of our island style and experience the generosity and hospitality of our people.





Relationship with ICAO



18 November 2017 - Notification of adherence to the Chicago Convention

Aerial view of Funafuti atoll and airstrip



▲ Airplane on the apron of Tuvalu international airport

Facts and Figures

Capital

Vaiaku

Official Languages

Tuvaluan, English

Currency

Tuvaluan Dollar

Area

25,9 km²

Population

11 190

Gross Domestic Product*

USD 39 million USD 3 550 per capita

Country Telephone Code

688

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

N/A

International Passenger Traffic

International Cargo Traffic

National Airlines with International Services

Foreign Airlines

N/A

Looking to the Future

Tuvalu became the 192nd Member State of ICAO in 2017

Did You Know... Travel and Tourism

The Funafuti Conservation Area offers calm waters for diving and snorkelling among sea turtles and tropical fish.

^{*} As this publication went to press, information from the State had not yet reached the Publisher.





Relationship with ICAO



17 August 1983 - Notification of adherence to the Chicago Convention



* As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Port Vila

Official Languages

English, French, Bislama

Currency

Vatu

Area

12 274 km²

Population

266 937

Gross Domestic Product*

USD 862.9 million USD 3124 per capita

Country Telephone Code

678

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

267 702 passengers

International Cargo Traffic

1 218 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Vanuatu has 29 airports nationwide, of which three are international.
- Pekoa International Airport is located on Santo Island, north of Vanuatu.
- Dauerfield International Airport serves the nation's capital, on Efate Island, in central Vanuatu.
- Whitegrass International airport is on Tanna Island, in Vanuatu's southern province.

Did You Know... Travel and Tourism

Prior to 1980, when it gained independence, Vanuatu was called New Hebrides and jointly governed by Britain and France under a system called the Condominium. With 83 inhabited islands and some 250 000 citizens, Vanuatu has 113 different languages.





Relationship with ** ICAO



13 March 1980 - Notification of adherence to the Chicago Convention

▼ Hanoi ATC Tower





▲ Van Don International Airport

Facts and Figures

Capital

Hà Nôi

Official Languages

Vietnamese

Currency

Dong

Area

332 212 km²

Population

95.5 million

Gross Domestic Product*

USD 223.9 billion USD 2343 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

36.6 million passengers

International Cargo Traffic

1 million metric tonnes

National Airlines with International Services

Foreign Airlines

72

Looking to the Future

- In 2017, Viet Nam was awarded the Certificate of the President of the Council of the ICAO for its progress in resolving aviation safety oversight deficiencies and for its ongoing commitment to the effective implementation of ICAO Standards and Recommended Practices.
- Viet Nam is developing the legal procedures necessary to implement ICAO CORSIA. Viet Nam is also developing policy on aircraft noise at airports.
- Viet Nam is one of the few countries in Southeast Asia which owns and operates the most modern aircraft such as Boeing B787-900, Boeing 787-10 Dreamliner and Airbus A350-900.
- By 2030, Viet Nam expects to have 28 airports in operation, including 13 international airports and 15 domestic airports.

Did You Know... Travel and Tourism

Van Don International Airport in the northern province of Quang Ninh is the first airport project in Viet Nam developed under BOT (Build-Operate-Transfer) by a private business. The airport, which has a designed capacity of 2,5 million passengers per year, opened at the end of 2018.



ICAO EUROPE AND NORTH ATLANTIC







EUROPE AND NORTH ATLANTIC



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Member States – 56

- Albania
- Algeria
- Andorra
- Armenia
- Austria
- Azerbaijan
- Belarus
- Belgium
- Bosnia and Herzegovina
- Bulgaria
- Croatia
- Cyprus
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Georgia
- Germany

- Greece
- Hungary
 - Iceland
 - IrelandIsrael
 - Italy
 - Kazakhstan
 - Kyrgyzstan
 - Latvia
 - Lithuania
 - Luxembourg
 - Malta
 - Monaco
 - Montenegro
 - Morocco
 - Netherlands
 - Norway
 - Poland
 - Portugal
 - Republic of Moldova

- Republic of North Macedonia
- Romania
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- San Marino
- Serbia
- Slovakia
- Slovenia
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- Tunisia
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NORDICAO



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PECASUS is a European consortium of nine expert institutions from nine European States providing Space Weather (SWX) global services for air transport users and one of three global SWX centres designated by ICAO in 2018.

PECASUS

PAN-EUROPEAN CONSORTIUM
FOR AVIATION SPACE WEATHER
USER SERVICES

Space Weather can affect HF and SATCOM communications, GNSS accuracy and radiation (RAD) doses to air crew. These four types of SWX advisories can mitigate adverse effects.

Finland and FMI as the Consortium Lead State will disseminate the global advisories in coordination with other centres.

www.pecasus.org

NAMCON cooperation started in 2011 between designated aviation weather providers of DEN, EST, FIN, ISL, LAT, NOR and SWE. Consortium Lead is FMI.



Northern Europe Aviation Meteorology Consortium strives towards cooperation in production and development between equal partners, cost-efficiency and high quality, minimising duplication, harmonising products and automating production without compromising quality.

www.namcon.aero

Finnish Meteorological Institute

(FMI) is a governmental research and operational agency responsible for maintaining a 24/7 centre for weather, climate, ocean and space services. FMI is the designated aeronautical meteorological service provider for Finnish airspace for observation, forecast and warning services for aviation.

FMI is responsible for managing the PECASUS and NAMCON consortia for aviation and carries out numerous international development cooperation projects annually.

www.fmi.fi/en





Relationship with W ICAO



28 March 1991 - Notification of adherence to the Chicago Convention



▲ Tre Ishujt, Ksamil

Facts and Figures

Capital

Tirana

Official Languages

Albanian

Currency

Lek

Area

27 748 km²

Population

2.9 million

Gross Domestic Product*

USD 13 billion USD 4807 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

2.63 million passengers

International Cargo Traffic

2 266 metric tonnes

National Airlines with International Services

Foreign Airlines

16

Looking to the Future

- In order to provide safe, secure development of the civil aviation market, Albania plans to enhance its airport infrastructure to cater to larger volumes of traffic and to respond to the demands of a growing business and tourism clientele.
- The Albanian Civil Aviation Authority has certified the national flag carrier "Air Albania" in early 2019. The entrance of this national airline will result in a greater travel alternative and boost tourism.
- The new airport in Vlora is envisioned to become the country's southern gateway.
- Improving aviation safety will remain the top priority, through enhancing proactive safety risk management.

Did You Know... Travel and Tourism

"The land of eagles," Albania is an attractive tourist destination, not only due to its varied landscapes but also thanks to its rich cultural and historical treasures which have been considered the backbone of its tourism sector.

The Albanians are considered one of the most ancient population traces in the Balkans and Europe.





Relationship with ** ICAO



7 May 1963 – Notification of adherence to the Chicago Convention

▼ Sahara Dune Rock Mountain





▲ Djurdjura

Facts and Figures

Capital

Algiers

Official Languages

Arabic

Currency

Dinar

Area

2 381 740 km²

Population

40.9 million

Gross Domestic Product*

USD 170.4 billion USD 4 123 per capita

Country Telephone Code

213

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

8.18 million passengers

International Cargo Traffic

4.5 million metric tonnes

National Airlines with International Services

Foreign Airlines

23

Looking to the Future

- Algeria has undertaken a number of projects, these includes:
 - Reorganization of the administration of the General Directorate of Civil Aviation.
 - The new terminal at Algiers International airport is in operation. Its it has a passenger capacity of ten million passengers a year, 4200 parking spaces, 54 lifts, 35 escalators, 9 treadmills (six at arrivals and three at departure), 12 carpets at luggage for arrivals...
 - Modernisation program for meteorological services (automatic aerodrome stations, climatological stations, meterological message switching systéms
 - The regional control center of "Tamenrasset" is in progress and will be received in biginning of 2020.
 - The Algerian government has adopted a plan known as "Horizon 2025", which is designed to address the lack of tourism infrastructure and development in the country. The goal is to increase the number of foreign visitors, including tourists, to 11 million.
 - Various hotel operators are planning to build hotels, particularly along the Mediterranean coast. Also planned are tourist villages in the South Sahara region.

Did You Know... Travel and Tourism

Algeria has seven "Tourist Poles of Excellence" - North East, North Central, North West, South East, South West, Great South "TASSILI N'AJJER" and the Great South "AHAGGAR". Algeria also boasts six entries on the UNESCO World Heritage Sites -Al Qal'a of Beni Hammad (1980), Djemila, M'Zab Valley, Timgad, Tipasa (1982) and Kasbah of Algiers (1992).





Relationship with W ICAO



26 January 2001 – Notification of adherence to the Chicago Convention

▼ Font Blanca Peak, Arcalis





▲ Comapedrosa, Estany Negre

State Facts and Figures

Capital

Andorra la Vella

Official Languages

Catalan

Currency

Euro

Area

468 km²

Population

74 794 million

Gross Domestic Product*

USD 3 billion USD 39 146 per capita

Country Telephone Code

376

*Source: World Bank 2017

AirTransport Statistics

International Airports

1 heliport

Domestic Airports

N/A

International Passenger Traffic

N/A

International Cargo Traffic

N/A

National Airlines with International Services

N/A

Foreign Airlines

N/A

Looking to the Future

- Significant developments in transportation and communications have contributed to Andorra's thriving tourism industry. There are about 7.8 million tourists every year.
- The major tourist attraction is skiing. Enthusiasts have at their disposal a well-developed infrastructure consisting of six ski domains, 120 ski transport installations and 303 km of slopes.
- Summer tourism sees a growing number of visitors and hikers to enjoy the local landscapes and the natural parks, one of which, Vall del Madriu Perafita-Claror, is part of UNESCO World Heritage.
- The population is made up of 46 per cent nationals and 54 per cent foreign residents.
- The population density is 159 inhabitants per km².
- Andorra offers three free education systems to choose from Andorran, French and Spanish.
- The country's economy has experienced a big economic openness and a great progress of the financial sector in the last decade.

Did You Know... Travel and Tourism

With a population of more than 74 000 people, Andorra attracts almost 9 million visitors per year.



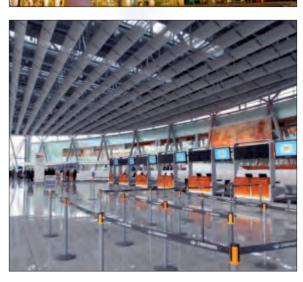


ARMENIA*

Relationship with ** ICAO



18 June 1992 - Notification of adherence to the Chicago Convention



 $[\]hbox{\bf *} \ \, \text{As this publication went to press, updated information from the State had not yet reached}$ the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Yerevan

Official Languages

Armenian

Currency

Armenian Dram (AMD)

Area

29 740 km²

Population

3 million

Gross Domestic Product*

USD 11.5 billion USD 3 937 per capita

Country Telephone Code

374

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

2.1 million passengers

International Cargo Traffic

10 345 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- A new air traffic control system named "GALAXY" was installed in ARMATS – the air navigation service provider – in September 2013. It is interfaced with PSR, SSR, MLAT/WAM and ADS-B sensors, as well as with the European Aeronautical Database (AIXM). It fully complies with new standards and requirements. On 30 January 2013, Yerevan Zvartnots International Airport received the "Best Airport in CIS" award at the 2nd Annual Emerging Airports Conference and Exhibition held in Dubai, United Arab Emirates.
- 1 In 2013, the Government of Armenia adopted a liberalized "open skies" civil aviation policy.
- Armenia is actively implementing the European civil aviation safety standards through Working Arrangements signed in 2009 with the European Aviation Safety Agency (EASA).
- The State Safety Programme (SSP) of the Republic of Armenia came into force in 2016. The text of the SSP is published on the official website of the General Department of Civil Aviation of Armenia (GDCA) - www.aviation.am.

Did You Know... Travel and Tourism

Armenia is the first nation to have adopted Christianity as the State religion in 301 AD and possesses a related cultural history rich in terms of monuments, churches, monasteries and other similar sites.





Relationship with ** ICAO



27 August 1948 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Vienna

Official Languages

German

Currency

Euro

Area

83 879 km²

Population

8.8 million

Gross Domestic Product*

USD 416.6 billion USD 47 291 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

27.7 million passengers

International Cargo Traffic

213 882 metric tonnes

National Airlines with International Services

Foreign Airlines

181

Looking to the Future

- Imbedded as it is in a rapidly growing global market, the Austrian aeronautics industry (suppliers, maintenance, repair & overhaul, service providers) is a promising sector that has shown a dynamic development over the past decades. Since the end of the 1980s, it has increased to about 225 enterprises – around 75 per cent of it being small and medium-size enterprises (SMEs).
- Recent surveys have calculated an average total turnover of around 2.2 billion Euros (USD 2.5 billion) for the sector, which signifies an increase of around 40 per cent against 2008. Overall employment is around 9 200 staff, 13 per cent of which work in research and development.
- Nationally promoted research, technology and innovation in the area of aviation has seen a remarkable upsurge over the past decade, to which Austria's funding technology and innovation programme "Take Off" has contributed greatly. Since 2002, aviation research projects have been funded with a total volume of 465 million Euros (USD 527 million) in public funds and private investments.

Did You Know... Travel and Tourism

Austria boasts an abundance of spectacular natural scenery - from the Alps to the Danube to the Pannonian plain. And in between these, countless interesting places and stories give the country its particular character. But however impressive the Alps, however clear the lakes and however idyllic the towns might be, what ultimately makes this country so unique are the people who live there.





AZERBAIJAN

Relationship with ** ICAO



9 October 1992 - Notification of adherence to the Chicago Convention

▼ Heydar Aliyev Center





A Baku Heydar Aliyev International Airport

©Azerbaijan Airlines

Facts and Figures

Capital

Official Languages

Azerbaijani

Currency

Manat

Area

86 600 km²

Population

9.9 million

Gross Domestic Product*

USD 40.7 billion USD 4132 per capita

Country Telephone Code

994

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

3.7 million passengers

International Cargo Traffic

226 701 metric tonnes

National Airlines with International Services

Foreign Airlines

32

Looking to the Future

- Azerbaijan aims to become one of the 20 most preferred tourist destinations in the world for 2025.
- Azerbaijan is one of the world's sport tourism destinations. Baku will host the Formula 1 Azerbaijan Grand Prix 26-28 April 2019, UEFA Europa League Final on 29 May 2019, Summer European Youth Olympic Festival 21-27 July 2019, EUR Karate Championship and EUR Football Championship group stage matches in 2020.
- CANSO Global ATM Summit and 24th AGM will be held in Baku in June 2020.
- Baku Heydar Aliyev International Airport was awarded a 5-Star Regional Airport rating by Skytrax.
- In addition to currently operated Boeing B787, B767 and B757 aircraft, as well as Airbus A340, A320 and A319, 4-Star regional air carrier Azerbaijan Airlines CJSC, as proved by Skytrax in 2018, will soon expand its route network with the new-generation B737 MAX aircraft.
- Buta Airways, the first low-cost airline in Azerbaijan, started its operations in September 2017.
- National cargo carrier Silk Way West Airlines operates Boeing B747F and B747-8F aircraft, and plans to widen its fleet with new B777Fs.

Did You Know... Travel and Tourism

Citizens of 95 countries can apply for an e-visa to Azerbaijan, a oneentry document with a period of 30 days and issued within three working days or three hours (urgent). Tourists can get the e-visa in just three steps (apply, pay and download e-Visa) via www.evisa.gov.az. Furthermore, citizens of 15 countries can obtain a one-entry visa upon arrival at all international airports of Azerbaijan.





BELARUS

Relationship with ** ICAO



4 June 1993 - Notification of adherence to the Chicago Convention

▼ Minsk International Airport in Winter





▲ Minsk International Airpot in Spring

Facts and Figures

Capital

Minsk

Official Languages

Belarusian, Russian

Currency

Belarusian Ruble

Area

207 600 km²

Population

9.5 million

Gross Domestic Product*

USD 54.4 billion USD 5 726 per capita

Country Telephone Code

375

Air Transport **Statistics**

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

4.5 million passengers

International Cargo Traffic

20 500 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- In 2019, the second runway was opened at the National Airport Minsk. The opening of the second runway is a natural development of the airport as a transit hub. Favorable geographical location, tourist potential of the country, the possibility of a visa-free stay for foreign guests in Belarus during 30 days, the expansion of the routes network, as well as the process of engaging airlines are the factors that will significantly contribute to the growth of passenger and cargo traffic. In turn, this will allow Minsk National Airport to become a competitive connecting hub in the region. There is also a plan to upgrade the first runway in the airport.
 - Over the past year, passenger traffic increased by 10 percent and cargo traffic by 11 percent. To increase these indicators, the development of the airport will continue; there are plans in the near future to construct a new passenger terminal and develop infrastructure around the airport.

Did You Know... Travel and Tourism

The first recorded mention of Minsk goes back to 1067. Today a modern international city has excellent transport links including Minsk airport, several major train stations, an underground metro system and a well-developed road network.

In 2019, Minsk hosted the 2rd European Games and will co-host the International Ice Hockey Federation world championship in 2021.





Relationship with W ICAO



5 May 1947 - Deposit of instrument of ratification of the Chicago Convention

A view of Atomium in Brussels by night





▲ Balloon flight over Enghien Castle

Facts and Figures

Capital

Brussels

Official Languages

Dutch, French, German

Currency

Euro

Area

30 688 km²

Population

11.4 million

Gross Domestic Product*

USD 495.8 billion USD 43 672 per capita

Country Telephone Code

Air Transport **Statistics**

International Airports

Domestic Airports

N/A

International Passenger Traffic

33.3 million passengers

International Cargo Traffic

1.24 million metric tonnes

National Airlines with **International Services**

Foreign Airlines

210+

Looking to the Future

- In Belgium, tourism is the exclusive competency of each of the three Regions:
 - The main entry point for air travellers through its national airport, Brussels offers direct connections to other major cities through the world's highest density, multimodal rail and motorway network. A capital of 500 million Europeans and host of international institutions, Brussels is among the top congress cities in the world and an important decision-making centre.
 - Wallonia, the southern, French-speaking region of Belgium, offers a mix of nature and culture. Whether in the green preserved forests of the Ardennes, on the battlefield of Waterloo, or in major art cities like Namur or Tournai, tourists discover a warm welcome and unforgettable gastronomy. Two airports, in Liège and Charleroi, are internationally connected.
 - Visitors to Flanders will be amazed by the dazzling medieval art cities like Brugge, Gent or Antwerp (also the 2nd largest port of Europe), multilingualism and congress infrastructures. The "Accessible Flanders" databank lists all available tourist facilities.

Did You Know... Travel and Tourism

Belgium is a meeting point between Latin and Germanic worlds, where differences are maintained and yet meld together harmoniously. Internationally renowned for its conviviality, Brussels is proud of its multicultural environment, further enhanced by the presence of major European institutions in the city.





BOSNIA AND HERZEGOVINA

Relationship with W ICAO



13 January 1993 - Notification of adherence to the Chicago Convention

▼ Banja Luka City





▲ BHANSA Air Traffic Control

Facts and Figures

Capital

Sarajevo

Official Languages

Serbian, Bosnian, Croatian

Currency

Mark (BAM)

Area

51 209 km²

Population

3.8 million

Gross Domestic Product*

USD 18.2 billion USD 5 181 per capita

Country Telephone Code

Air Transport **Statistics**

International Airports

Domestic Airport

International **Passenger Traffic**

1.556.896 passengers

International Cargo Traffic

2887 metric tonnes

National Airline with International Services

Foreign Airlines

80

Looking to the Future

- The Bosnia and Herzegovina Air Navigation Services Agency (BHANSA) began providing air navigation services in the airspace of B&H to FL 325 in November 2014. By the end of 2019, the BHANSA is expected to fully provide services in the airspace of B&H to FL 660.
- International airports in Bosnia and Herzegovina recorded historical results during 2018. For the first time, Sarajevo International Airport served more than a million passengers. Growth of passenger numbers was also recorded in the airports in Banjaluka and Tuzla, and it is expected that these three airports, as well as the Mostar airport, will continue to increase the number of passengers in 2019 and to sustainably increase the number of passengers from year to year.

Did You Know... Travel and Tourism

The British Independent recommended the cities of Banjaluka, Sarajevo, Mostar and Travnik as the preferred tourist destination for 2019.

B&H cities Sarajevo and East Sarajevo were organizers and hosts of the European Youth Olympic Festival 2019 Winter, which took place in these two cities, as well as in the Olympic mountains of Jahorina and Bjelasnica.





BULGARIA

Relationship with ** ICAO



8 June 1967 - Notification of adherence to the Chicago Convention

▼ Belogradchik Rocks





▲ Zlatograd Ethnographic Comlex

Facts and Figures

Capital

Official Languages

Bulgarian

Currency

Lev

Area

110 994 km²

Population

7 million

Gross Domestic Product*

USD 56.8 billion USD 8 032 per capita

Country Telephone Code

359

Air Transport **Statistics**

International Airports

Domestic Airports

International Passenger Traffic

11.975 million passengers

International Cargo Traffic

28 690 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- In 2018, Bulgaria effectively handled 11.2 percent growth in traffic compared to 2017. It is expected to have an average annual traffic growth of 5 percent over the next seven years.
- Currently Bulgaria provides 24/7 free route airspace at a national level and cross-border free route airspace during the night together with Hungary, Romania and Slovakia. By the end of 2019 the cross-border free route airspace with Bulgaria, Hungary and Romania is expected to be provided 24/7.
- The synergistic effect of all the improvements has the potential to save a daily average of 3 200 NM of the total mileage which represents 15 tons of fuel savings and 49 tons less CO² emissions.

Did You Know... Travel and Tourism

Bulgaria is the Cyrillic alphabet mother country. Historically, the Cyrillic alphabet, along with the Glagolitic, is one of the two alphabets used in the recording of the Old Bulgarian literary language. The Cyrillic alphabet was founded in the Preslav School of Literature at the end of the 9th or early 10th century.





CROATIA

Relationship with W ICAO



9 April 1992 - Notification of adherence to the Chicago Convention

▼ View of Franjo Tudjman Airport from the apron





▲ ATCO's view of part of Zagreb FIR

Facts and Figures

Capital

Zagreb

Official Languages

Croatian

Currency

Kuna

Area

56 594 km²

Population

4.3 million

Gross Domestic Product*

USD 54.9 billion USD 13 294 per capita

Country Telephone Code

385

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

9.5 million pasengers

International Cargo Traffic

10 417 metric tonnes

National Airlines with International Services

Foreign Airlines

100

Looking to the Future

- Croatia is undertaking a wide range of measures and projects in order to meet the rising demand for traffic capacity, while also improving the levels of safety, security and quality of service.
 - These measures include regulatory initiatives designed to facilitate industry developments, opening up the Croatian market further and creating connections and opportunities worldwide. Major infrastructure projects at Zagreb, Split and Dubrovnik airports valued at more than 600 million euros total are a major factor in this initiative. The industry is actively participating and contributing to achieving these goals.
- Croatia is part of the ABIS Group representing eight European States: Austria, Belgium, Croatia, Ireland, Luxembourg, The Netherlands, Portugal and Switzerland. The Civil Aviation Authorities of the eight ABIS States cooperate closely with a view to fostering continued representation in the permanent bodies of ICAO. The ABIS States provide in-depth knowledge and experience to ICAO Commissions, Panels and Working Groups by the proactive participation of specialized experts.

Did You Know... Travel and Tourism

Tourism is one of the major drivers of the national economy. Aviation is a major facilitator in that respect, providing an accessible and efficient service through its connections to all major European hubs.

A well-developed airport network and a strong domestic carrier provide for excellent internal connectivity and easy access to all major European and worldwide destinations.





CYPRUS

Relationship with ** ICAO



17 January 1961 – Notification of adherence to the Chicago Convention

▼ Larnaka International Airport





▲ Pafos International Airport

Facts and Figures

Capital

Nicosia

Official Languages

Greek, Turkish

Currency

Euro

Area

9 240 km²

Population

1.2 million

Gross Domestic Product*

USD 21.7 billion USD 25 234 per capita

Country Telephone Code

357

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

10.3 million passengers

International Cargo Traffic

30 888 metric tonnes

National Airlines with International Services

Foreign Airlines

103

Looking to the Future

- Although traditionally dependent on tourism, Cyprus has developed beyond the "holiday destination" with a growing, service-oriented economy consistent with an island that relies almost exclusively on air transport for tourist and business travel.
- The goal of Cyprus is to become a dynamic regional hub between Europe and the Middle East, based on its strategic location at the crossroads of three continents in the Eastern Mediterranean and as the easternmost EU member State, with an extensive FIR through which flows most of the north/south and east/west traffic between Europe, Asia and Africa.
- The country's aspirations are supported by the recent redevelopment of its two airports at Larnaka and Pafos, the liberalization of its air transport policy, incentives to air carriers, participation in EU projects such as BLUE MED for creating a Functional Airspace Block in the region, and the restructuring of the Department of Civil Aviation with the addition of an independent oversight authority and a private company for the provision of air navigation services.

Did You Know... Travel and Tourism

A rich historical, cultural and natural heritage, combined with an ideal climate and an abundance of tourist attractions, make Cyprus a popular, year-round leisure destination. The island also offers a modern, free-market, service-based economy highly appreciated by investors and business people alike. In a turbulent region, Cyprus is a true oasis of safety and stability for all travellers.





CZECH REPUBLIC

Relationship with ** ICAO



4 March 1993 - Notification of adherence to the Chicago Convention

▼ Vaclav Havel Airport





▲ Prague

Facts and Figures

Capital

Prague

Official Languages

Czech

Currency

CZK (Czech crown)

Area

78 866 km²

Population

10.6 million

Gross Domestic Product*

USD 215.7 billion USD 20 368 per capita

Country Telephone Code

420

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

16 million passengers

International Cargo Traffic

89 279 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Strategically located in the centre of Europe, the Czech Republic aims to develop air transport in line with anticipated growth, strengthen capacities of airports, keep the highest level of ATM services provided by the state-owned Air Navigation Services of the Czech Republic (ANS CR), maintain operational safety and security, as well as a proper relationship to the environment.
- 🗘 Václav Havel Airport Prague has a potential to become a major air traffic hub in Central and Eastern Europe. Modernization and enhancing of its capacities have already started. In the medium-term framework, the airport should significantly change in terms of expansion of its terminal capacity, with new aircraft stands, boarding bridges and parking garages, and planned construction of a parallel runway to the existing main runway 06/24. Consequently, a new infrastructure will be created at the airport area.
- The ANS CR will further carry on the activities of the "aviation" academy" operating under the name CANI - Czech Air Navigation Institute, preparing aviation personnel from around the world.

Did You Know... Travel and Tourism

The Czech Republic welcomed 10,2 million visitors in 2017. It is a safe country with a rich cultural heritage, traditions, romantic castles, churches, monasteries, spas, natural beauties and special cuisine. The capital, Prague, is one of the most popular destinations in the world and is easily reachable from many countries. It can also be the starting point for further travel in Europe.

author: Libor Sváček, © CzechTourism





Relationship with ** ICAO



28 February 1947 - Deposit of instrument of ratification of the Chicago Convention



Facts and Figures

Capital

Copenhagen

Official Languages

Danish

Currency

Krone

Area

2 210 576 km²

Population

5.7 million

Gross Domestic Product*

USD 324.9 billion USD 56 307 per capita

Country Telephone Code

45, 298, 299

Air Transport **Statistics**

International Airports

Domestic Airports

International Passenger Traffic

31.2 million passengers

International Cargo Traffic

261 000 metric tonnes

National Airlines with International Services

Foreign Airlines

130

Statistics are for The Kingdom of Denmark, which includes Greenland and the Faroe Islands

Looking to the Future

- The growth in the drone industry is exceptional high. In Denmark, its size doubles yearly and we have now passed 30 000 registrations of drones and owners. In the near future, we will need an air traffic management system to coordinate the traffic of drones flying in low altitude - not least those flying beyond visual line of sight.
- Thus, development of U-space (unmanned traffic management) system) is essential to ensure safety and efficiency – both of which should have a high priority for the international community. New technologies along with clear international legislation is needed for this purpose.
- We believe that new ways of thinking, innovation and willingness to make real changes are all vital elements if we are to unleash the full potential of the industry while reaping the immense benefits. In Denmark, we meet these challenges with an open and progressive mind – but to make real progress, we will need all parties to come together - States, international organizations and the industry itself. Denmark stands ready to embark on this collaboration.

Did You Know... Travel and Tourism

Copenhagen features not only a wide array of popular tourist attractions, including The Little Mermaid and Tivoli Gardens, it also represents a gateway for further travel to Northern Europe and beyond, through Copenhagen Airport. The airport is the largest in Scandinavia, with about 26 million passengers per year travelling to 150 international destinations offered by airlines operating there.





Relationship with ICAO



24 January 1992 - Notification of adherence to the Chicago Convention

▼ Tallinn Airport





▲ ECAA Office Lõõtsa

Facts and Figures

Capital

Tallinn

Official Languages

Estonian

Currency

Euro

Area

45 226 km²

Population

1.3 million

Gross Domestic Product*

USD 25.9 billion USD 19 705 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

International **Passenger Traffic**

2 978 935 passengers

International Cargo Traffic

11 518 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Sestonia's major airport is located 3 kilometres from the city centre of Tallinn.
- There is one registered airplane per 6 500 citizens. The number of airplanes is increasing 10 per cent per year.
- Tallinn Airport is predicting passenger growth of 5 per cent per year.
- At the end of 2016 there were 6 AOC holders; at the end of 2018 there were 9 AOC holders.
- The capacity of the Estonian MRO industry is also growing. The largest MRO company is Magnetic MRO AS.

Did You Know... Travel and Tourism

- The Airports Council International (ACI) recognized Tallinn Airport with the Best European Airport 2018 award (a competition of airports with up to 5 million passengers).
- Estonia has more than 2000 islands.
- Estonia is about 50 per cent forest.
- To see more, visit the website www.visitestonia.com





Relationship with ** ICAO



30 March 1949 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Helsinki

Official Languages

Finnish, Swedish

Currency

Euro

Area

390 000 km²

Population

5.5 million

Gross Domestic Product*

USD 251.9 billion USD 45 703 per capita

Country Telephone Code

358

Air Transport **Statistics**

International Airports

Domestic Airports

International Passenger Traffic

19.1 million passengers

International Cargo Traffic

196 000 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Finland offers space to breathe, spectacular nature activities and experiences from White Night Magic until Aurora Borealis Wonders. Besides unique tourist attractions, Finland's reputation as a congress and incentive destination is also internationally acclaimed.
 - •Situated in the heart of Northern Europe, Finland is easy to get to.
 - In recent years, Finland has consistently ranked among the top 20 congress destinations in the world. Just short of 500 international association meetings are held annually in Finland, attended by 60 000 delegates. Finns are experienced event organizers, and all services are first class. In a recent survey, nine of 10 congress attendees found the safety of Finnish host cities to be either very good or good. As a bonus, Finnish friendliness received special thanks.
 - Finland's Convention Bureau provides complimentary information, consultation and assistance to all meeting planners. You are cordially invited to discover Finland, the homeland of Santa Claus and Saunas. www.visitfinland.com

Did You Know... Travel and Tourism

Stop Over Finland is a new initiative coordinated by Visit Finland easily reachable packages and services for individual travellers from 5 hour to 5 day stopovers. During the stopover, it is possible to experience Finnish highlights such as the Aurora Borealis, midnight sun, relaxing moments in the pure Finnish forests, lakes, archipelago, saunas, shopping and meeting Moomins and Santa Claus.





Relationship with W ICAO



25 March 1947 - Deposit of instrument of ratification of the Chicago Convention

▼ Roissy Charles de Gaulle Airport control tower





▲ Ramp inspection during SAFA control

Facts and Figures

Capital

Official Languages

French

Currency

Euro

Area

632 834 km²

Population

67.1 million

Gross Domestic Product*

USD 2.6 trillion USD 38 477 per capita

Country Telephone Code

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

132 million passengers

International Cargo Traffic

2.3 million metric tonnes

National Airlines with **International Services**

Foreign Airlines

Looking to the Future

- France is the only country capable of designing and producing all aircraft components, for all market segments, aside from the US. France's competitive outfitters contribute half of the national aeronautics industry jobs and turnover. Civil aeronautical construction is France's first export sector (exports make up 85 per cent of the sector's turnover) and one of the first job-creating sectors, due to a permanent, State-supported innovation.
- Since 1945, the Directorate General for Civil Aviation has managed all aspects of the civil aviation sector. It has developed an important cooperation policy, including 50 bilateral agreements.
- The Toulouse-based École Nationale de l'Aviation Civile (ENAC) is a world leader in aviation training and is a Regional Training Center of Excellence within ICAO's TRAINAIR PLUS Programme.
- France is a European leader in the field of Remotely Piloted Aircraft Systems, with the first regulation established in 2012.

Did You Know... Travel and Tourism

The UN World Tourism Organization has recognized France as the most visited country in the world, with 87 million international tourists in 2017. Some 29 per cent of these arrived by air at one of the 60 French international airports. France aims to exceed 100 million international tourists in 2020. With more than nine million visitors, the Louvre Museum is the most visited cultural site in France.

Interview with Mr Patrick Gandil, Director General Civil Aviation, France

France: Building the skies of tomorrow

What does aviation mean to France?

From Clément Ader to Henry Farman, Louis Blériot, Jean Mermoz, Marie Marvingt, Maryse Bastié and Antoine de Saint-Exupéry, to name but a few eminent aviation pioneers and personalities who have helped shape modern France. In barely a century, air transport has become an essential component of the economic, social and cultural life of our country, as evidenced by our more than 340 airports open to air traffic, of which 180 accommodate commercial air traffic.

Moreover, passenger traffic in France is expected to grow an estimated 2.5 percent over the long term, varying on destination. There should be stabilization or even a decline in domestic routes, given the efficient alternative of high-speed rail lines for journeys of less than three hours. Conversely, traffic to European or more distant locations worldwide will increase, as it will to France, thanks to the steady rise in international tourism, a phenomenon our country continues to actively promote.

The UN World Tourism Organization has recognized France as the most-visited country in the world, with nearly 90 million international tourists in 2018. With some 27 percent of them arriving by air, at one of our 57 international airports, aviation is key to France's objective of exceeding 100 million international tourists in 2020.

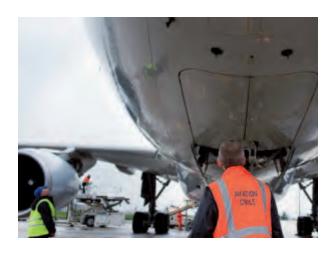
How would you describe the relationship between France and ICAO?

France is a founding member of ICAO and has, from the outset in 1947, held a seat on the Council of the Organization as a State "of chief importance in air transport". The oldest ICAO Regional Office is located in Paris, in continuation of the International Commission for Air Navigation, ICAO's predecessor, established in the French capital in 1922. There is also a major financial investment by our country in the Organization. Currently the sixth largest contributor to the ICAO budget with CAD 4,5 million, France provides an additional contribution (0,17%) through seconded human resources representing CAD 0,8 million a year.



Another dimension of this close and symbiotic relationship is that French aviation is fundamentally international in nature. For example, French air navigation services manage one of the largest and densest airspaces in Europe, with some 3 million flights in the French metropolitan airspace alone, of which more than 50 percent are overflights. We must add to that the more than 14 000 000 km² of controlled airspace in the French overseas territories spread out across the globe.

France also represents a significant proportion of world air transport. Some 206.4 million passengers transited through French airports in 2018 and the leading facility, Paris-Charles de Gaulle Airport, ranks second in Europe for passenger traffic, first in Europe for cargo traffic, and ninth worldwide. The airport is the primary hub of Air France, founder of the Skyteam alliance that operates to all continents. Finally, France is among the few countries with a comprehensive aeronautics industry possessing all the necessary skills to design and build all types of aircraft.



What do you mean by a comprehensive aeronautics industry?

The aeronautical industry in France spans all market segments – transport aircraft, business aircraft, helicopters, engines, systems – and includes major world-class players such as Airbus, ATR, Dassault, Thales and SAFRAN. This is not new, as illustrated by milestone programmes like Caravelle, Concorde, A380 and A350. In 2018, the aeronautical and space sector generated revenues of €50.4 billion, while providing direct and indirect employment to 1 142 000 persons.

Over time, major investments in innovation, coupled with an extensive network of expertise and experience, have provided France with a full-system approach that allows it to remain a driving force in practically every essential sector of aviation. This means that such French aviation players as ADP, DSNA services or Egis can rely on a pool of well-rounded experts to support them in their assistance activities internationally.

What is the involvement of France in the aviation community?

French experts currently sit on all ICAO technical panels and take part in numerous working groups, contributing actively to the realization of the Organization's five strategic objectives. As a partner in ICAO's 'No Country Left Behind' campaign, France is committed to safe and sustainable air transport worldwide and carries out numerous bilateral assistance programmes, in concert with several Member States. As an example, France signed in 2018 with ICAO a Technical Arrangement on its contribution for the global implementation of performance-based navigation and offers its technical support to three regional Flight Procedure Programmes (Africa, Asia-Pacific, Middle-East) created by ICAO, in response to Assembly Resolution 37-11 for PBN implementation.

What are the future challenges for aviation in your country and worldwide?

With nearly 500 aerodromes, France can potentially accommodate a significant increase in air traffic. However, we face many challenges. I think of course regarding safety, which remains paramount, but also to security, congestion, and environmental protection in particular.

Aviation remains the safest mode of transportation. But it is possible and desirable to further reduce the accident rate below the current very low figure of five accidents per 10 million flights. France is fully dedicated to that objective.

Unfortunately, enhanced security strategies and measures will also be necessary. I rely on the ICAO panel now chaired by our compatriot Sonia Hidfi to help us collectively make significant progress. Additionally, we must take up the increasingly concrete threat of cybersecurity.

Increasing traffic while maintaining efficiency will require that we substantially modernize our air navigation infrastructure. Fortunately, we can call upon the expertise and collaboration of our industry, our European partners, notably through the SESAR programme, and our affiliation with ICAO.

Last but not least, fighting climate change is now a vital requirement. That is why we must succeed in implementing CORSIA as soon as possible and step up our efforts in this field.

One of the key success factors common to all these challenges is innovation. For its part, France created in 2008 CORAC, a State-Industry consultative body that defines a coordinated R&D programme to prepare for the future with the whole sector, including subject experts and the entire supply chain. Perhaps it could inspire ICAO, which had the excellent idea of organizing an "Innovation Fair" on the occasion of the 40th Assembly.





BELIEVE ACHIEVE

Future professionals, managers and leaders in aviation and aerospace, come join ENAC and fulfill your career dreams.

ENAC offers many serospace / aviation-related programs, ranging from Engineering and Master's degrees in International Air Transport and Air Traffic Management Systems to Advanced Masters in various technical fields (aviation safety, airworthiness, aircraft maintenance, airline operations, air traffic management,...) and management (air transport, airports, air traffic management, etc.). These programs are delivered in various formats in every part of the world.

By choosing to study and graduate from the adequate program at ENAC, you will be able to boost your career and focus on a specialized area in the aeronautical industry, sharpen your aviation knowledge and skills in an international context, and connect with global leaders to shape the future of aviation.

Our partners from international organizations, global industrial companies and academia from the 5 continents not only provide us with a pool of highly talented academic and professional professors and lecturers, but also give you the opportunity to explore and expand your own career and networks.

YOUR CAREER IN AVIATION

ICAO and ENAC have joined forces to propose a new Advanced Master program in Aviation Safety Management. First session planned in December 2018.

To find out more, click on http://www.enac.fr/en/advanced-masters

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www.enac.fr





GEORGIA

Relationship with ** ICAO



21 January 1994 - Notification of adherence to the Chicago Convention

▼ Georgian Airways





▲ Kutaisi ATC tower

Facts and Figures

Capital

Tbilisi

Official Languages

Georgian

Currency

Lari

Area

69 700 km²

Population

3.7 million

Gross Domestic Product*

USD 15.2 billion USD 4078 per capita

Country Telephone Code

995

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

4 million passengers

International Cargo Traffic

31 724 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Following the liberalization of the aviation market in 2005, there has been a steady 20 per cent annual growth in passenger traffic.
- Nutaisi International Airport is among the leading European airports welcoming fewer than 5m passengers per year for its rapidly increasing passenger flow.
- The construction of domestic airports in different regions is part of the Georgia's urban development plan to bring equal conditions to all regions.
- The new Tbilisi ATC Centre was opened by 'Sakaeronavigatsia', air navigation service provider of Georgia, to keep pace with the increase in aircraft movements in the country's airspace.
- Aero-Structure Technologies Cyclone (ATC), a joint venture between an Israeli company and Georgia's Partnership Fund, has opened a production facility which will manufacture composite parts for commercial aircraft.
- Georgia is constantly improving its national regulatory framework and the CAA's capabilities to meet the highest standards of aviation safety and security, as established by ICAO.

Did You Know... Travel and Tourism

The ancient Georgian Qvevri winemaking method and Georgian polyphonic singing are on UNESCO's list of the Intangible Cultural Heritage of Humanity. The Georgian alphabet is one of 14 unique alphabets of the world. The skulls discovered at Dmanisi, Georgia are the oldest known fossils of the Homo genus outside of Africa (1.81 million years); Europe's first hominids were named Zezva and Mzia.





GERMANY

Relationship with ** ICAO



9 May 1956 – Notification of adherence to the Chicago Convention

▼ Elbphilharmonie Hamburg





▲ Zollverein Coal Mine Industrial Complex

Facts and Figures

Capital

Berlin

Official Languages

German

Currency

Euro

Area

357 021 km²

Population

80.8 million

Gross Domestic Product*

USD 3.7 trillion USD 44 470 per capita

Country Telephone Code

Air Transport **Statistics**

International Airports

Domestic Airports

International Passenger Traffic

162.4 million passengers

International Cargo Traffic

4.5 million metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Germany has an excellent air transport infrastructure that meets current needs and future demand.
- To reinforce Germany's position as a sustainable travel destination, particular attention is paid to the interconnectivity of the various modes of transport. For example, many airports have direct links to the nationwide rail network served by the high-speed InterCity Express trains and the fast-growing bus network.
- 32 percent of all European travelers to Germany arrive by airplane, increasing the market share by 3 percent. Of Germany's overseas visitors, 98 percent arrive by airplane.
- Between 2012 and 2016, international arrivals in Germany increased by 17.3 percent to 31.8 million.
- According to the latest forecasts, inbound tourism to Germany will increase overnight stays by 3.5 per cent per year to 121 million by the end of the next decade. Europe will continue to be the biggest source market, followed by the Asia/Pacific region and the Americas, resulting in a marked increase in demand for intercontinental flights.

Did You Know... Travel and Tourism

In 2017 visitors from abroad attributed for almost 84 million overnight stays in Germany - the eighth record year in a row. According to IPK World Travel Monitor, Germany is the second most popular destination for Europeans and remains the No.1 destination for city breaks and cultural travel for European holidaymakers.







13 March 1947 - Deposit of instrument of ratification of the Chicago Convention

Athens University





Porto Katsiki. Lefkada

Facts and Figures

Capital

Athens

Official Languages

Greek

Currency

Euro

Area

132.049 Km²

Population

10.8 million

Gross Domestic Product*

USD 200.3 billion USD 18 613 per capita

Country Telephone Code

Air Transport Statistics

International Airports

Domestic Airports

International Passenger Traffic

45.4 million passengers

International Cargo Traffic

81 249 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- On 11 April 2017, 14 regional airports in Greece were conceded to a private entity, Fraport Greece, which is responsible for maintaining, operating, managing, upgrading and developing them over a period of 40 years.
- The Hellenic Civil Aviation Authority is currently being reformed by its separation into two independently managed and operated entities: the Civil Aviation Authority and the Civil Aviation Service Provider.

Did You Know... Travel and Tourism

Greece is strategically located at the crossroads of Europe, Asia, and Africa. Situated on the southern tip of the Balkan Peninsula, Greece has the longest coastline on the Mediterranean Basin (13 676 km), featuring a vast number of islands. Most of the islands and many cities of Greece are connected by air; 28 routes are currently operated under the PSO (Public Service Obligation) regime.





HUNGARY

Relationship with ** ICAO



30 September 1969 - Notification of adherence to the Chicago Convention

▼ Szechenyi Thermal Bath





▲ Budabest by night

Facts and Figures

Capital

Budapest

Official Languages

Hungarian

Currency

Forint

Area

93 030 km²

Population

9.9 million

Gross Domestic Product*

USD 139.1 billion USD 14 225 per capita

Country Telephone Code

Air Transport **Statistics**

International Airports

Domestic Airports

International Passenger Traffic

15.3 million passengers

International Cargo Traffic

146 150 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Hungarian Air Navigation Service Provider HungaroControl broke records in almost every month last year, and by the end of 2018 the company provided safe traffic for more than one million aircraft including upper airspace over Kosovo.
 - Hungarocontrol is renowned for innovations in remote technology such as remote tower operations and remote multiple crossborder operations (NATO mandate over Kosovo).
 - HungaroControl has been granted € 11.3 million, the largest EU funding of its history, for new developments, including 'mirTWR' (Modular Integrated Remote Tower).
- The operator of Budapest Airport has started the BUD 2020 development program - € 160 million will be spent through the end of the decade on the further expansion and upgrading of the airport infrastructure (including a 220-meter-long Pier B, new parking facilities, a Cargo City, logistics and environmental protection developments).

Did You Know... Travel and Tourism

Even though Hungary does not have access to the sea, the country has a grand tradition of waterway transport, the main stages of which are the River Danube and the picturesque Lake Balaton. Scheduled waterway transport on Lake Balaton, Central Europe's largest lake, is provided by Balatoni Hajózási Zrt. Shipping lines have been operating on the lake for more than 170 years.







21 March 1947 - Deposit of instrument of ratification of the Chicago Convention



Facts and Figures

Capital

Reykjavik

Official Languages

Icelandic

Currency

Icelandic Króna

Area

100 250 km²

Population

348 450

Gross Domestic Product*

USD 23.9 billion USD 70 057 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

8.8 million passengers

International Cargo Traffic

54 555 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Aviation contributes significantly to the Icelandic economy, and growth is expected to continue. There has been continuous increase in the number of passengers traveling to Iceland, as well as passengers transferring at Keflavik International Airport on intercontinental travels, now exceeding 9 million per year. More destinations continue to be added to the route systems of air operators serving Icelandic airports. The latest plans foresee direct flights from Iceland to Asia, opening up possibilities to connect North America, Europe and Asia.
- The Icelandic Transport Authority (ICETRA) emphasizes the importance of high levels of safety in transport. Aviation safety is in the forefront with the successful implementation of ICAO SARPs. With the integration of more transport modes into one organization, ICETRA's possibilities have opened to transfer knowledge and experience from aviation into other transport areas. Collaboration between people and organizations provide for optimal use of resources; examples of this are research and cooperation.

Did You Know... Travel and Tourism

In 2017, over 185,000 aircraft passed through the Reykjavik Control Area. Passenger traffic at Keflavik Airport increased by 28 per cent in 2017 and is expected to continue to increase. Emphasis has been placed on introducing Iceland as a whole-year destination. In recent years, foreign tourist numbers have increased proportionally more outside the summer season by 20 per cent.







31 October 1946 - Deposit of instrument of ratification of the Chicago Convention



▲ Little Skellig from Skellig Michael

Facts and Figures

Capital

Dublin

Official Languages

English, Irish

Currency

Euro

Area

70 273 km²

Population

4.8 million

Gross Domestic Product*

USD 333.7 billion USD 69 331 per capita

Country Telephone Code

Air Transport **Statistics**

International Airports

Domestic Airports

International Passenger Traffic

34.3 million passengers

International Cargo Traffic

169 737 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The Irish Government's National Aviation Policy recognises the importance of aviation in Ireland (80 per cent of all passenger movements in and out of the country are by air) and is committed to creating an environment in which the industry can maximise its potential for the benefit of the wider economy through these goals:
 - Enhance connectivity by ensuring safe, secure and competitive access responsive to the needs of business, tourism and consumers.
 - Foster the growth of aviation enterprise in Ireland and position Ireland as a recognised global leader in the sector.
 - Maximise the contribution of the aviation sector to Ireland's economic growth and development.
- A new parallel runway at Dublin Airport, completion date 2021, will provide additional capacity to enhance connectivity.
- It is anticipated that Ireland's inclusion on the Cape Town List, 30 August 2018, will strengthen the leasing industry in Ireland.
- Ireland oversees one of the largest commercial air transport registers in the world, estimated to increase by over 10 per cent in the next five years.

Did You Know... Travel and Tourism

Dublin Airport is the only airport in Europe to have full US Customs and Immigration Preclearance, which now places it as the fifth best-served airport in Europe for direct North American route connections. In 2017, Ireland attracted a record 9 million tourists from overseas.







24 May 1949 - Notification of adherence to the Chicago Convention

▼ New Eilat Ramon International Airport





▲ Timna Park

Facts and Figures

Capital

Jerusalem**

Official Languages

Hebrew, Arabic

Currency

Shekel

Area

22 072 km²

Population

9 million

Gross Domestic Product*

USD 350.8 billion USD 40 270 per capita

Country Telephone Code

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

23 million passengers

International Cargo Traffic

333 000 metric tonnes

National Airlines with International Services

Foreign Airlines

*Source: World Bank 2017

Looking to the Future

- Air transport plays a strategic role in the economic development of Israel and its social and cultural enrichment. Since the signature of the open skies agreement between Israel and the EU, the Israeli air transport market has shown significant annual growth rates. Faced with this challenge of a fast-growing air transport system, Israel, as a non-EU member State, signed in 2016 a comprehensive agreement with EUROCONTROL.
- Since the signature, joint efforts involving EUROCONTROL and our neighbour, Cyprus, are made to modify the airspace structure to improve safety, flow of traffic and to increase capacity. The project started mid-2017, and is expected to be completed before summer 2020.
- Another future project is an extensive upgrade of the main Israeli ATM system, planned by 2024. This upgrade will improve safety and efficiency, and will facilitate the deployment of our national capacity-building objectives.
- Oconsiderations and initial plans for a complimentary airport to Ben-Gurion started, as Ben-Gurion airport is expected to saturate by 2025.

Did You Know... Travel and Tourism

The Israeli desert region of the Negev is rich in geological and archeological treasures and offers many exciting activities for adventurous travelers. Its stunning views and relatively compact geography makes it an excellent choice for the lone hiker, and its unique and challenging terrain creates an ideal setting for various extreme sports and activities, available most times of the year.

^{**} Designation and information provided by Israel. The position of the United Nations on Jerusalem is stated in A/RES/181 (II) and subsequent General Assembly and Security Council resolutions. The position of ICAO is sembly Resolutions A21-7 and A23-5.







31 October 1947 - Notification of adherence to the Chicago Convention

▼ Italy from space





▲ Matera, European Capital of Culture 2019 in Italy

Facts and Figures

Capital

Rome

Official Languages

Italian

Currency

Euro

Area

302 000 km²

Population

60.5 million

Gross Domestic Product*

USD 1.9 trillion USD 31 953 per capita

Country Telephone Code

Air Transport **Statistics**

International Airports

Domestic Airports

International Passenger Traffic

120.8 million passengers

International Cargo Traffic

1 017 779 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

Among emerging technologies that have characterized the civil aviation scenario in the recent years, suborbital commercial transportation is one of the most challenging. This new technology and its associated potential market open several perspectives for civil aviation development and for the industry; it also creates difficult and complex challenges for the Regulatory Authority and for the Government of the State. In 2018, the Italian Minister of Infrastructures and Transports accepted the challenge and charged ENAC - the Italian Civil Aviation Authority - to develop a performance-based approach regulatory framework to provide the industry with all requirements and conditions needed to begin operations in a three-year timeframe. This aggressive plan has involved the active participation of all stakeholders: civil and military, service providers, manufacturers and space operators. Italy has selected Taranto Grottaglie in the Apulia Region as its first national spaceport; it is planned that operations will begin by the end of 2020.

Did You Know... Travel and Tourism

Matera has been designated the European Capital of Culture 2019 in Italy. The initiative intends to join people and highlight the role of culture on the way to European identity. This Italian southern town is projected over new boundaries but still looking at the past and its roots. The programme, under the slogan Open Future, includes happenings and amazing events all along the year.

MORE ABOUT ITALY

Interview with Alessio Quaranta, Director General, Italian Civil Aviation Authority (ENAC)

The Italian CAA experience in Aviation Training

What is the role of ENAC in relation to Aviation Training?



In accordance with its mission, the Italian Civil Aviation Authority (ENAC), implementing ICAO and EU standards, is committed to promote the development of civil aviation, to guarantee high level of safety and security, passengers' rights, quality of services, environment protection and fair competition for users and stakeholders.

Training is an essential instrument to achieve these goals and ENAC has decided to play an important role.

I am personally involved in some of the major European organizations in the field, holding the positions of President of EATEO (European Association of Aviation Training and Education Organizations) since November 2017; Focal Point for Training of ECAC (European Civil Aviation Conference), from November 2011 to May 2017; President of JAA-TO (Joint Aviation Authorities - Training Organization) since September 2014; President of EASTI (European Aviation Security Training Institute) from March 2017 to April 2018. All these European Organizations aim at the common objective of harmonizing Aviation Training among the Member States.

In the aviation sector, the rapid evolution of technology and legislation, combined with the persistent air traffic growth foreseen in the next decades, requires an extensive reliance on continuing professional training. Moreover, given the expected development of new training requirements, it is essential to support a closer coordination and cooperation

among all aviation stakeholders (organizations, airlines regulators, associations, academia, training centers, airports, air navigation service providers, etc).

What fields of activity are covered by ENAC's training initiatives?

ENAC has been continuously involved in Aviation Training through close cooperation with foreign Civil Aviation Authorities and institutions, in a mutual exchange of competences and know-how, in order to develop long-term strategies and rulemaking activities to accomplish typical CAAs certification, validation and surveillance tasks and training initiatives, especially in the fields of airworthiness, flight operations, licenses, airports, airspace and security.

In recent years, this form of cooperation has become more formal and systematic through the implementation of *two twinning projects*, funded by the European Commission, with Albania in 2009 and with Egypt in 2014. I would like also to mention the commitment in *capacity-building programs* as, for example, the financial contribution given by ENAC to the ICAO ACT-CORSIA in 2018 to support the Assistance, *Capacity Building* and *Training* activities needed for the implementation of the *Carbon Offsetting and Reduction Scheme for International Aviation* (CORSIA). ENAC also participates in the *ICAO States' Action Plan Buddy Programme*, to assist Madagascar in the development of the national Action Plan on Emissions Reduction. Lastly, I would like to recall the cooperation agreements signed by ENAC with Montenegro, Libya and Somalia.

What about the future?

On 18 February 2019, ENAC presented in Rome an ambitious project for the future, the "ENAC Academy for Civil Aviation". The Academy will be tasked to provide specialized training courses and create a network of excellence with Universities and public and private entities which own in-depth aeronautical know-how, with the objective of developing the aeronautical culture and promoting the civil aviation, in accordance with ENAC mission.

The training initiatives will satisfy both internal requirements and external training needs coming from aeronautical stakeholders and foreign aeronautical authorities in the frame of the cooperation agreements signed with ENAC.

The Training offer will be conceived as "train the trainers", as the program developed for security instructors is already doing. I want also to remark that the Academy is not going to provide courses in competition with other subjects or training organizations operating in the market.





KAZAKHSTAN

Relationship with ** ICAO



21 August 1992 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Nur-Sultan

Official Languages

Kazakh, Russian

Currency

Tenge

Area

2 724 900 km²

Population

18.4 million

Gross Domestic Product*

USD 159.4 billion USD 8 837 per capita

Country Telephone Code

Air Transport **Statistics**

International Airports

Domestic Airports

20

International **Passenger Traffic**

3.2 million passengers

International Cargo Traffic

29 100 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Air Astana, the principal airline and flag carrier of Kazakhstan, was the first airline based in the Commonwealth of Independent States (CIS) and Eastern Europe to be awarded the Skytrax 4-Star rating. Air Astana has been recognized for 4-Star service excellence, retaining the accolade of "Best Airline in Central Asia and India" in the Skytrax World Airline Awards for the eighth consecutive year.
- From 1 May 2019, the first Kazakhstani low-cost airline, Fly Arystan, launched its services. According to the forecast of Fly Arystan, domestic passenger traffic will be the most rapid growing in 2020.

Did You Know... Travel and Tourism

10 must-see breathtaking places in Kazakhstan that everyone must visit at least once in a life: Lake Kaindy; Borovoe, a true paradise for travelers; Bozzhyra: a piece of the Moon on the Earth; Rakhmanovskiye klyuchi; Korgalzhyn Lakes; Aktau colourful mountains and the Singing Dune; Sacred threeheaded Altay mountain Belukha; Charyn Canyon; Kolsai Lakes; Inder Salty Lake.





KYRGYZSTAN

Relationship with ** ICAO



25 February 1993 - Notification of adherence to the Chicago Convention



* As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Bishkek

Official Languages

Kyrgyz, Russian

Currency

Som

Area

199 000 km²

Population

5.9 million

Gross Domestic Product*

USD 7.6 billion USD 1220 per capita

Country Telephone Code

996

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

690 369 passengers

International Cargo Traffic

118 300 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The role of civil aviation in the development of international tourism and trade is very big. The Civil Aviation Agency of the Kyrgyz Republic is taking the necessary measures to resolve and improve the performance of civil aviation. The CAA conducted operations on the improvement of air legislation and the adoption of aviation rules. We are confident that these efforts will create conditions for the further development of civil aviation.
- One of the main tasks of the Civil Aviation Authority is to update the fleet of Kyrgyz air carriers. Over the past few years, Kyrgyz airlines began updating its fleet with modern aircraft, such as Boeing, Airbus, BEA models, while opening up new international air destinations. The Kyrgyz CAA will continue to support this process.
- Updating the aircraft fleet of the Kyrgyz Republic will increase flight safety, ensure its competitiveness, and will be one of the main conditions for the restoration of parity in the operation of international air services between the Kyrgyz Republic and other countries.

Did You Know... Travel and Tourism

Kyrgyzstan – the place where everyone can find what he or she is searching for: mountains, blue seas, rapid rivers and authentic culture. Wonderful Issykkul Lake for those who prefer beach recreation. For lovers of winter sports, there is one of the best ski centres -"Karakul". Indescribably beautiful mountains will impress everyone who wants to do mountain tourism. Yes, welcome to Kyrgyzstan!



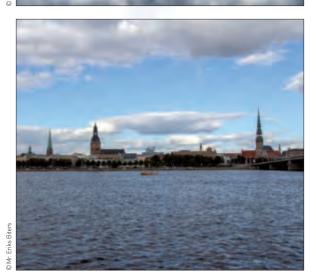


LATVIA

Relationship with ** ICAO



13 July 1992 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Official Languages

Latvian

Currency

Euro

Area

64 589 km²

Population

2 million

Gross Domestic Product*

USD 30.3 billion USD 15 594 per capita

Country Telephone Code

Air Transport Statistics

International Airports

Domestic Airports

International **Passenger Traffic**

6.0 million passengers

International Cargo Traffic

23 156 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- During the 2018 International Riga Aviation Forum (RAF 2018), the memorandum of cooperation was signed by the Aviation Association of Latvia and Latvian transport minister; it will lead to the industry and government jointly creating an aviation strategy for 2019-2025.
- The air transport sector makes a major contribution to the Latvian economy: 2.8 percent of the country's GDP is supported by the air transport sector and foreign tourists arriving by air.
- Rail Baltica a greenfield rail transport infrastructure project with a goal to integrate the Baltic States in the European rail network includes five European Union countries: Poland, Lithuania, Latvia, Estonia and indirectly also Finland. Construction of a new railway infrastructure will provide new opportunities for travel and business.

Did You Know... Travel and Tourism

In 2018 Latvia celebrated its 100-year centennial. Latvia's current flag design has been in use since 1280. The historic centre of Riga, known for its Art Nouveau, is a UNESCO World Heritage site. Around 20 per cent of Latvia is protected. There are 4 national parks, 42 nature parks, 260 nature reserves, 355 nature monuments, 7 protected marine areas, 24 micro reserves and a biosphere reserve.





LITHUANIA

Relationship with ** ICAO



8 July 1992 – Notification of adherence to the Chicago Convention

▼ Vilnius Old Town – a Baroque masterpiece





▲ Feel the surrounding green Lithuanian nature

Facts and Figures

Capital

Vilnius

Official Languages

Lithuanian

Currency

Euro

Area

65 300 km²

Population

2.9 million

Gross Domestic Product*

USD 47.2 billion USD 16 681 per capita

Country Telephone Code

370

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

6.3 million passengers

International Cargo Traffic

16 000 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

Lithuania is:

- One of the EU's prime transport hubs and the connecting point between two major pan-European transport corridors
- The most northern ice-free seaport on the Baltic Sea's eastern shore
- Three hours or less flight time from all EU capitals
- A perfect location for businesses that need to be globally connected 24/7
- First in Central Eastern Europe (CCE) for road quality
- Proud of its world-class ICT infrastructure and an expanding, highly qualified talent pool
- Home to one of the fastest Internets in the world, with guick logistical access to both Eastern and Western Europe
- A regional leader in modern biotechnology, producing one of every 10 high-end scientific lasers in the world
- First in CEE for university-industry collaboration in R&D
- A country of aviation and basketball. Nearly 100 aviation events are organized annually, including European and world champions hips. Flight training for children is promoted. Basketball players are medallists of European and world championships.

Did You Know... Travel and Tourism

Lithuania, at the very heart of Europe, is a land of meadows and hills, national parks and forests, rivers and lakes, the soughing of the sea upon the beach, Curonian Spit and revitalizing resorts. All with a touch of authenticity, ancient Baltic traditions and festivals, distinctive music and dances, individual ethnographic regions, castles and churches. Vilnius is a UNESCO World Heritage Site.





LUXEMBOURG

Relationship with



28 April 1948 – Deposit of instrument of ratification of the Chicago Convention



State Facts and Figures

Capital

Luxembourg

Official Languages

French, German, Luxembourgish

Currency

Euro

Area

2 586 km²

Population

602 005

Gross Domestic Product*

USD 62.4 billion USD 104 103 per capita

Country Telephone Code

352

*Source: World Bank 2017

Air Transport Statistics

International Airports

1

Domestic Airports

2

International Passenger Traffic

3.6 million passengers

International Cargo Traffic

897 569 metric tonnes

National Airlines with International Services

7

Foreign Airlines

24

Looking to the Future

- A few interesting facts about Luxembourg...
 - Member of the ICAO ABIS group (the Civil Aviation Authorities of eight European States)
 - Cargolux was the launch customer for the Boeing 747-8
 - Has concluded air services agreements with 131 countries
 - The NAA has issued a "Yearly Safety Report" since 2015
 - One of the top 10 cargo airports in Europe, and among the top 30 worldwide
 - Home to EUROCONTROL's IANS (Institute for Air Navigation Services) training centre, a full member of the ICAO TRAINAIR PLUS Programme
 - FABEC (Functional Airspace Block Europe Central) Presidency in 2019
 - MUAC (Maastricht Upper Area Control Centre) Presidency in 2019.

Did You Know... Travel and Tourism

Luxembourg is strategically located in the heart of Europe, surrounded by France, Germany and Belgium.



- Detect fraudulent eTravel Documents (such as eIDs, ePassports or eResidence Permits) as well as non-electronic ones.
- Support checking the accuracy between electronic and graphical data.
- Useful for border control, security check, know your customer.
- · Can be used wherever you are, in online or offline mode.

You can choose either the mobile standalone version or the API version we developed to help you integrate some features in your own system:

Covering more than **80 countries in all continents**. Privacy by design mobile technology allowing to **confirm authenticity** of an eIDs, ePassports, eResidence Permits and other eDocuments **in less than 10 seconds**. By combining our technology and our cybersecurity services **we can set specific collaborations** for the **development of innovative projects** related to innovative platforms which require the best practices.

WHO WE ARE

We are a public agency who has been securing ePassports, eIDs and eRPs for Luxembourg for more than 5 years.

CONTACT US

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5 January 1965 - Notification of adherence to the Chicago Convention

▼ Example of Business Jet registered in Malta





▲ Aerial view of Valletta

Facts and Figures

Capital

Valletta

Official Languages

Maltese, English

Currency

Euro

Area

316 km²

Population

475 701

Gross Domestic Product*

USD 12.5 billion USD 26 946 per capita

Country Telephone Code

356

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

6 million passengers

International Cargo Traffic

14 628 metric tonnes

National Airlines with International Services

Foreign Airlines

33

Looking to the Future

- Malta continues to develop its aviation register, attracting 37 airlines (2019) that operate under their own name or on behalf of other operators.
- As 9H registration, the Maltese jurisdiction is developing as a choice location in terms of business, ad-hoc and on-demand aviation services, as well as for locating maintenance, repair and overhaul services for commercial aviation and business jets. The number of aircraft registered in Malta has reached 338 (2019) and continues to expand in all sectors.
- Using English as its main business and conversational language, a variety of service industries operate from Malta and the variety continues to evolve. Being on average 3 hours from all major European destinations, Malta is also ideal as a just-in-time manufacturing base.
- Malta International Airport has been welcoming an increasing number of passengers year-on-year and continues to invest in infrastructure facilities that will support good passenger experiences for the foreseeable future.

Did You Know... Travel and Tourism

Malta is home to three UNESCO World Heritage Sites - Valletta, Megalithic Temples, and the Hal Saflieni Hypogeum. Further amazing sights include the Grand Harbour, Mdina, Cittadella, and Dwejra.

The capital, Valletta, is a fortified and walled city with shady, winding streets, imposing bastions offering incredible views, and is one of the smallest capital cities in Europe at only 0.8 km².







4 January 1980 - Notification of adherence to the Chicago Convention

▼ Heliport





▲ Heliport

Facts and Figures

Capital

Monaco

Official Languages

French

Currency

Euro

Area

2.02 km²

Population

38 300

Gross Domestic Product*

USD 6.5 billion USD 170 312 per capita

Country Telephone Code

*Source-UNdata 2017

Air Transport **Statistics**

International Airports

1 heliport

Domestic Airports

International **Passenger Traffic**

88 225 passengers

International Cargo Traffic

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Monaco is currently carrying out major works on the heliport:
 - structural reinforcement of the runway (from 6T up to 10T)
 - renovation of the tarmac
 - new lighting (LED only)
- In 2021, a new terminal will start to replace the present one, including notably additional hangar capacity and a new control tower.
- A project for a new Final Approach and Take-off (FATO) area reclaimed from the sea is under consideration. It would enhance the safety of flights and could make possible operations with a new type of aircraft, Tiltrotors.
- Monaco is the first State implementing in 2019 an operational unmanned traffic management system (UTM) covering its entire national airspace and permitting identification and tracking of any drones authorized to fly in this area.

Did You Know... Travel and Tourism

Monaco has the highest density of population in the world for a sovereign nation: 18 712 people/km². There are 40 000 cross-border commuters every day, 4 642 hotel beds and 6 000 automobile public parking spots.





MONTENEGRO

Relationship with ** ICAO



12 February 2007 - Notification of adherence to the Chicago Convention

▼ Porto Montenegro





▲ Sveti Stefan

Facts and Figures

Capital

Podgorica

Official Languages

Montenegrin

Currency

Euro

Area

13 450 km²

Population

622 303

Gross Domestic Product*

USD 4.8 billion USD 7 670 per capita

Country Telephone Code

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

2.2 million passengers

International Cargo Traffic

876 metric tones

National Airlines with International Services

Foreign Airlines

52 (12 scheduled)

Looking to the Future

- Montenegro is a candidate country for membership of the EU. Its European perspective was reaffirmed by the Council in June 2006 after the recognition of the country's independence by EU Member States. The European Commission has acknowledged that Montenegro has made significant progress toward opening talks on EU membership.
- EU aviation legislation is transposed and implemented in Montenegro, and the best practices are shared with the EU Member States. Thus, Montenegro is fully ready to face the anticipated future challenges in air transport.
- As a part of the EU's "one-stop security" initiative, Montenegro implements security measures equivalent to those of the Union.
- Montenegro joined NATO on 5 June 2017, when the instrument for its accession to the Washington Treaty (or the North Atlantic Treaty) was formally deposited with the US State Department. Montenegro will continue to enjoy benefits from NATO membership, such as increased promotion of the country internationally and its perception as a safe investment destination.

Did You Know... Travel and Tourism

Montenegro is one of the top tourist destinations in the past couple of years; in fact, the World Tourism and Travel Council (WTTC) placed Montenegro 1st on its list of countries where tourism is a strategic industry. This comes from the reality that Montenegro has a lot of natural beauty that is internationally recognized.







13 November 1956 - Notification of adherence to the Chicago Convention



* As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Rabat

Official Languages

Arabic, Berber

Currency

Dirham

Area

446 300 km²

Population

32.5 million

Gross Domestic Product

USD 109.1 billion USD 3 007 per capita

Country Telephone Code

212

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

15 million passengers

International Cargo Traffic

52 883 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Royal Air Maroc received the "Best Regional Airline for Africa" award from Skytrax at the Farnborough International Air Show and, for the second year in a row in 2014, the International Five Star Diamond Award from the American Academy of Hospitality Sciences.
- The National Office of Airports and LH Aviation Maroc signed in 2014, at the Marrakesh Air Show, an agreement for the installation of the 1st aircraft manufacturing plant in Morocco.
- The revolutionary Smiths Detection high-speed hold baggage explosives detection system – the HI-SCAN 10080 XCT – was installed in the new passenger terminal at Marrakech's Menara Airport.

Did You Know... Travel and Tourism

In 2006, the Kingdom of Morocco signed an "open skies" agreement with the EU that has a positive impact, particularly in terms of air traffic, on the number of operators and related investments to the aviation industry.





NETHERLANDS

Relationship with ** ICAO



26 March 1947 - Deposit of instrument of ratification of the Chicago Convention

▼ Amsterdam Airport Schiphol





KLM at Amsterdam Airport Schiphol

ICAO STATES TODAY

75 Years of Progress Since Chicago

Facts and Figures

Capital

Amsterdam

Official Languages

Dutch

Currency

Euro

Area

41 526 km²

Population

16.8 million

Gross Domestic Product*

USD 826.2 billion USD 48 223 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

79,2 million passengers

International Cargo Traffic

1.75 million metric tonnes

National Airlines with International Services

Foreign Airlines

104

Looking to the Future

- The Kingdom of The Netherlands is an ICAO Council candidate in 2019.
- 1 In 2019, KLM Royal Dutch Airlines is celebrating its centennial anniversary. In July 2011 KLM became one of the world's first companies to offer 24-hour service via social media. KLM was the first airline in the world to offer all relevant flight information and documents on WhatsApp, Facebook Messenger and Twitter and the first Western airline to offer this on the Chinese platform, WeChat. KLM offers customer service in 10 languages on six platforms. KLM also uses the assistance of artificial intelligence in answering questions on social media.
- Schiphol Airport received almost 80 million travelers in 2018 and keeps growing. A new terminal with 8 gates will be partially in service by the end of 2019, fully by 2023. The joint airport capacity will be 14 million passengers per year. Sustainability is high on the Schiphol agenda and was taken into account when designing the new terminal: solar panels, water re-use, and the principle of circularity concerning energy consumption.

Did You Know... Travel and Tourism

Although The Netherlands is a small country, there are lots of things to do. Amsterdam, the capital, is located very close to Amsterdam Schiphol Airport and is a very popular destination for tourists. In 2018, 18 million foreign tourists visited The Netherlands. Popular attractions in 2019 are the various exhibitions on the famous Dutch painter Rembrandt van Rijn on his 350th birthday.





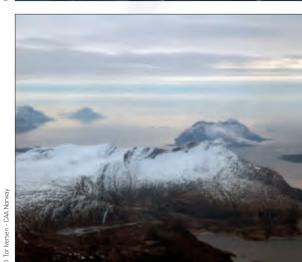
Relationship with



5 May 1947 – Deposit of instrument of ratification of the Chicago Convention

▼ Oslo International Airport, gateway to Norway





▲ Departure from Bodo Airport (B00)

State Facts and Figures

Capital

Oslo

Official Languages

Norwegian

Currency

Norwegian Krone

Area

323 771 km²

Population

5.2 million

Gross Domestic Product*

USD 398.8 billion USD 75 505 per capita

Country Telephone Code

47

*Source: World Bank 2017

Air Transport Statistics

International Airports

12

Domestic Airports

49

International Passenger Traffic

22.5 million passengers

International Cargo Traffic

164 000 metric tonnes

National Airlines with International Services

3

Foreign Airlines

35

Looking to the Future

- Aviation is the backbone of the Norwegian transportation system.
 - •In 2015, almost 54 million passengers boarded flights to and from Norwegian airports, a number expected to reach 80 million by 2050.
 - Norwegians use domestic flights more often than any other European country; over 25 million passengers travelled within Norway in 2015.
 - There are 52 airports in Norway with regular passenger traffic, making Norway the European country with the most airports per citizen.
- Norway has actively supported the development of more environmentally friendly aviation operations, such as "green" takeoffs and landings and, more recently, bio-fuel research.
 - Oslo airport was the first airport to offer bio-fuel to airlines fuelling at the airport.

Did You Know... Travel and Tourism

In Norway, tourism accounts for approximately 4 per cent of GDP. The tourism industry in the country employs some 150 000 people, and 42 per cent of tourists to and from Norway travel by air.







6 April 1945 - Deposit of instrument of ratification of the Chicago Convention

▼ Boeing 787-9 of LOT Polish Airlines





▲ Boeing 737-8Q8 of Enter Air

Facts and Figures

Capital

Warsaw

Official Languages

Polish

Currency

Zloty

Area

312 679 km²

Population

38.5 million

Gross Domestic Product*

USD 524.5 billion USD 13 812 per capita

Country Telephone Code

Air Transport Statistics

International Airports

Domestic Airports

International **Passenger Traffic**

35.5 million passengers

International Cargo Traffic

105 396 metric tonnes

National Airlines with International Services

Foreign Airlines

172

Looking to the Future

The Central European Drone Demonstrator (CEDD) in Poland -Poland is one of the first States in which a professional space has been created for testing available unmanned services and technology, including in urban environments. Located in Silesia, the CEDD is fully based on Polish solutions and Polish technology. CEDD has been created due to an initiative of the Polish Civil Aviation Authority, the Polish Air Navigation Services Agency and the Górnośląsko-Zagtębiowska Metropolia.

Did You Know... Travel and Tourism

In 2018 Poland celebrated the 100th anniversary of its independence and the 100th anniversary of its aviation. On this occasion the Polish carriers LOT Polish Airlines and Enter Air prepared special painting for selected aircraft. This year Poland celebrates the 90th anniversary of the establishment of its national air carrier - LOT Polish Airlines.





PORTUGAL

Relationship with W ICAO



27 February 1947 - Deposit of instrument of ratification of the Chicago Convention

▼ Porto Airport Transportation





▲ Sete Cidades Lake

Facts and Figures

Capital

Lisbon

Official Languages

Portuguese

Currency

Euro

Area

92 212 km²

Population

10.3 million

Gross Domestic Product*

USD 217.6 billion USD 21136 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

42.6 million passengers

International Cargo Traffic

145 903 metric tonnes

National Airlines with International Services

Foreign Airlines

437

Looking to the Future

- O Portugal has always worked diligently to foster international cooperation and to secure the highest possible degree of harmonization in civil aviation regulations, standards and procedures.
- OPOrtugal is part of the "Portuguese Countries Civil Aviation Authorities" Community" (CAACL) created in November 2007. It is a forum for all Portuguese official language countries - Angola, Brazil, Cabo Verde, Equatorial Guinea, Guinea-Bissau, Mozambique, Portugal, Sao Tome and Principe, and East Timor.
- Portugal plays an important role in the provision of international civil air navigation services, covering its own territory and a large portion of the North Atlantic, corresponding to some 5 800 000 km².
- Portugal is a modern and competitive country. Demanding companies like NetJets Europe have chosen Portugal to set up their activities. We have all the conditions to further develop the aviation cluster.

Did You Know... Travel and Tourism

Tourism has been growing steadily since 2011, promoting Portugal to one of the top 3 hottest travel destinations worldwide for 2018, according to the Lonely Plant travel book publishers. Portugal welcomed a record of more than record 20 million visitors in 2017. All airports grew significantly in 2017, especially Azores (+22 per cent), Lisbon (+18,7 per cent) and Oporto (+15 per cent).





REPUBLIC OF MOLDOVA

Relationship with ** ICAO



1 June 1992 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Chisinau

Official Language

Romanian

Currency

Moldovan Leu

Area

33 842 km²

Population

3.6 million

Gross Domestic Product*

USD 8.1 billion USD 2290 per capita

Country Telephone Code

Air Transport **Statistics**

International Airports

Domestic Airport

International Passenger Traffic

2.8 million passengers

International Cargo Traffic

3 246 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The Chisinau International Airport holds multiple award for being the best airport with an airdrome area of 364ha and terminal capacity of 700 passengers per hour on both arrival stream and departure streams.
- In 2018 the second runaway was made operational; the runway 08-26 with length 3590m is complemented with new runway 09-27 with length 2383m.
- Since 2013, the number of passengers travelling to Moldova by air almost doubled.
- According to the ICAO Air Transport Accessibility App, 100 percent of the population of the Republic of Moldova has the highest possible level of accessibility to airports.
- With the open skies agreements in place between Moldova and huge aviation markets of both the European Union and the Russian Federation, as well as visa-free regimes for travellers from the EU, US, Japan, Russia and many more, Moldova is an attractive and easy to reach destination for tourists, who can catch a direct flight to Moldova from more then 30 airports around the world.

Did You Know... Travel and Tourism

Castel Mimi is the guest card of Moldova, included in Top 15 most beautiful wineries of the world, being visited by guests from 80 different States of the world. Thousands of people already discovered the story of the only chateau of the country. The wine experts are creating incomparable wines, led by the example of Constantin Mimi, the greatest winemaker of the 20th century.





REPUBLIC OF NORTH

Relationship with ** ICAO



10 December 1992 - Notification of adherence to the Chicago Convention

▼ Skopje International Airport





A Church of St. John at Kaneo by the Ohrid Lake

Facts and Figures

Capital

Skopje

Official Languages

Macedonian

Currency

Denar

Area

25 715 km²

Population

2.1 million

Gross Domestic Product*

USD 11.34 billion USD 5 245 per capita

Country Telephone Code

*Source: **UNdata 2017**

Air Transport **Statistics**

International Airports

Domestic Airports

International Passenger Traffic

2.027 million passengers

International Cargo Traffic

3 003 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Doth international airports have been modernized: Skopje International Airport and Ohrid St. Paul the Apostle Airport.
- International passenger traffic has grown steadily over the previous four years: 1.3 million in 2014, 1.5 million in 2015, 1.8 million in 2016 and 2 million in 2017
- Air services agreements have been signed with 35 States located on five continents.
- North Macedonia is a member of the ECAC and EUROCONTROL; it has signed a working arrangement with EASA.
- North Macedonia CAA is an observer in the DANUBE FAB.

Did You Know... Travel and Tourism

Lake Ohrid is one of Europe's deepest and oldest lakes, preserving a unique aquatic ecosystem that is of worldwide importance, with more than 200 endemic species. The importance of the lake was lared a World Heritage site by UNESCO in 1979 and when, in 2010, NASA decided to name one of Titan's lakes after Lake Ohrid.







30 April 1965 – Notification of adherence to the Chicago Convention

▼ Parliament Palace





▲ Transylvania

Facts and Figures

Capital

Bucharest

Official Languages

Romanian

Currency

Romanian Leu

Area

230 160 km²

Population

20 million

Gross Domestic Product*

USD 211.8 billion USD 10 814 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

10.6 million passengers

International Cargo Traffic

30 125 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

All of the 16 Romanian international airports have been modernized according to current international safety and security standards. At the same time, their capacity has been increased in order to accommodate the growth in traffic. These enhancements are having a positive impact on regional development and tourism.

Did You Know... Travel and Tourism

The Palace of Parliament of Romania is the 2nd largest building in the world. Romania holds over 60 percent of the European mineral water reserves. The Romanian province of Transylvania is home to nearly 150 villages that preserve fortified churches built mainly after the Tartar invasion of 1241; seven of these churches have been named UNESCO World Heritage Sites.





RUSSIAN FEDERATION

Relationship with ** ICAO



15 October 1970 - Notification of adherence to the Chicago Convention

▼ St. Basil's Cathedral and Ilushin 96





▲ Petropavlovsk-Kamchatsky Airport

Facts and Figures

Capital

Moscow

Official Languages

Russian

Currency

Ruble

Area

16 376 870 km²

Population

143.8 million

Gross Domestic Product*

USD 1.6 trillion USD 10 743 per capita

Country Telephone Code

Air Transport **Statistics**

International Airports

Domestic Airports

151

International **Passenger Traffic**

42.5 million passengers

International Cargo Traffic

867 460 metric tonnes

National Airlines with International Services

Foreign Airlines

973

Looking to the Future

- In February 2001, Russia launched the Cross Polar routes, now part of a dynamic air transport system with 30 per cent annual growth compared to an overall growth rate of 6-7 per cent. Over 1900 flights are operated monthly, having carried more than 200 000 passengers a month from 2001 to 2018.
 - The total length of air routes in Russia is 865 412 000 km, or almost twice the distance between the earth and the moon. The longest domestic non-stop flight takes 8 hours and 10 minutes, compared to a 10-hour flight from Russia to the US over the North Atlantic.
 - On 18-20 June 1937, Soviet aviators V. Chkalov, G. Baidukov and A. Beliakov were the first in history to conduct a non-stop flight from Moscow to Vancouver over the North Pole, a total distance flown of 8 504 km.
 - The world's most mass-produced twin-engine helicopter in history is the MI-8.

Did You Know... Travel and Tourism

Russia is the birthplace of the world's first multi-seat, multi-engine airliner - the "Ilya Muromets." Built in 1913 by Igor Sikorski, it featured a heated passenger cabin with electric lighting, a bedroom, a living room and even a toilet.





SAN MARINO

Relationship with ** ICAO



13 May 1988 - Notification of adherence to the Chicago Convention

▼ The City of San Marino





▲ San Marino Palace of Government

Facts and Figures

Capital

City of San Marino

Official Languages

Italian

Currency

Euro

Area

61.19 km²

Population

32 520

Gross Domestic Product*

USD 1.7 billion USD 49 664 per capita

Country Telephone Code

378

*Source: World Bank 2017

Air Transport Statistics

International Airports

Heliport

Domestic Airports

N/A

International **Passenger Traffic**

N/A

International Cargo Traffic

National Airlines with International Services

N/A

Foreign Airlines

N/A

Looking to the Future

- San Marino is a signatory to the Cape Town Convention since January 2015. In December 2013, the San Marino CAA opened its door to commercial air transportation.
- O ICAO Article 83bis Agreements have been signed with the following countries: Republic of Lebanon, the Republic of Serbia, the Republic of Togo, Kingdom of Saudi Arabia.
- These operators have obtained an Air Operator Certificate (AOC) from the CAA: ACASS SM srl, Air Eclipse Int. srl, Empire Aviation SM srl, ICS AeroSM srl, Elit Avia SM srl, TJS SM srl, Skyline Aviation srl, Avcon Jet srl, Tag Aviation SM srl, Luxaviation SM sl, Overstar srl, Titan Aviation SM srl, SMEA srl, Comlux SM srl, Sorens Aero, Prima Aviation srl. FTC Aviation srl.
- The CAA has developed and implemented Remotely Piloted Aircraft Systems (RPAS) regulations and certification.

Did You Know... Travel and Tourism

The Republic of San Marino, founded in 301 AD, is one of the most ancient Republics in the world and a UNESCO World Heritage Site since 2008.





SERBIA

Relationship with W ICAO



14 December 2000 - Notification of adherence to the Chicago Convention

▼ Taking-off from Belgrade's Nikola Tesla Airport





▲ Belgrade in the evening

Facts and Figures

Capital

Belgrade

Official Languages

Serbian

Currency

Serbian Dinar

Area

88 360 km²

Population

7.1 million

Gross Domestic Product*

USD 41.4 billion USD 5 900 per capita

Country Telephone Code

Air Transport Statistics

International Airports

Domestic Airports

International **Passenger Traffic**

5.99 million passengers

International Cargo Traffic

23 000 metric tonnes

National Airlines with International Services

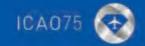
Foreign Airlines

Looking to the Future

- The continuous development of the national civil aviation system through the implementation of modern European and international standards remains the primary objective of the Civil Aviation Directorate.
- Since 2014, Serbia negotiated more than 40 bilateral air services agreements and arrangements relating to air transport and will continue with this practice in years to come.
- Belgrade's Nikola Tesla International Airport steadily improves its business and operational performance. In 2017, it recorded 58.8 thousand movements and welcomed more than 5.3 million passengers. In 2018, aircraft movements rose to more than 60 thousand and the number of passengers to more than 5.6 million.

Did You Know... Travel and Tourism

Serbia is a country in which civilizations, cultures, confessions, climates and landscapes meet and mingle. It is located in the centre of the Balkan Peninsula, in Southeastern Europe. Serbia is landlocked, but as a Danube River country it is connected to distant seas and oceans. Serbia is at the crossroads of Europe and a geopolitically important territory.







15 March 1993 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Bratislava

Official Languages

Slovak

Currency

Euro

Area

49 036 km²

Population

5.447 million

Gross Domestic Product*

USD 95.8 billion USD 17 605 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

3 million passengers

International Cargo Traffic

25 000 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Bratislava Airport was voted the 8th best airport in Eastern Europe at the 2019 Skytrax-World Airport Awards. In recent years, it has undergone major changes, including a new terminal building, and it is also looking at increasing the number of cargo flights.
 - Slovak airports such as Bratislava and Košice have managed to record in 2018 the highest number of passengers carried in a calendar month and also increased their yearly statistics.
- Tourist centres in Slovakia are working with airports to attract new airlines to the regions.
 - Slovakia is an attractive destination for major European low-cost carriers and is looking to develop new services, especially to regional airports.
 - Slovakia is also working on better air links between the regions and the capital, and to major European hubs.
 - Slovakia is a member of the European Civil Aviation Conference (ECAC); it sits on the Coordinating Committee and ECAC's Medium-Term Objectives (EMTO) Task Force.
 - Slovakia was a member of the ICAO Council in the years 1998-2001 and is a member of CERG (Central European Rotation Group).

Did You Know... Travel and Tourism

Poprad Tatry Airport, at 718 metres above sea level, is the airport with the highest elevation in Central Europe and is the gateway to the Tatra Mountains, a popular winter tourist destination. Slovakia has the world's largest number of castles and chateaux per capita, has more than 6 000 caves, with many open to visitors, and is the geographical midpoint of Europe (Kremnické Bane).





SLOVENIA

Relationship with ICAO



13 May 1992 - Notification of adherence to the Chicago Convention

▼ Bled





▲ Ljubljana

Facts and Figures

Capital

Ljubljana

Official Languages

Slovene

Currency

Euro

Area

20 273 km²

Population

2.1 million

Gross Domestic Product*

USD 48.8 billion USD 23 597 per capita

Country Telephone Code

386

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

1.8 million passengers

International Cargo Traffic

12 384 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Slovenia connects sea and mountains, forests and waters, fields and vineyards, located at the juncture of the Alps, the Mediterranean and the Pannonian Plain.
- Three international airports serve Slovenia Ljubljana Jože Pučnik Airport, Maribor Edvard Rusian Airport and Portorož Airport. The location of Ljubljana Jože Pučnik Airport facilitates landing in the centre of Slovenia, a few kilometres from the capital city Ljubljana.
- The main goal of the country is to further the progressive development of civil aviation, in concert with the international community, to achieve safe, secure, reliable and sustainable development of air transport. In keeping with this goal, and with a particular focus on safety, Slovenia has established a number of priorities such as infrastructure capacity building, synergy between air transport and economic development and tourism, and integration of aviation within the country's overall transportation network, to promote inter-modality and the positive outcomes of such an integrated strategy.

Did You Know... Travel and Tourism

Ranked fifth among 180 countries on the Environmental Performance Index, proactive and healthy Slovenia strives to continually strengthen its reputation as one of the greenest countries in the world. Not only is the country developing its own "Slovenia Green" certificates within the Slovenian Green Scheme, but Ljubljana has been designated the European Green Capital for 2016.





SPAIN

Relationship with



5 March 1947 – Deposit of instrument of ratification of the Chicago Convention

▼ Air traffic control tower - Barcelona





▲ Malaga airport - Costa del Sol

State Facts and Figures

Capital

Madrid

Official Languages

Spanish

Currency

Euro

Area

498 800 km²

Population

46.5 million

Gross Domestic Product*

USD 1.3 trillion USD 28 157 per capita

Country Telephone Code

34

*Source: World Bank 2017

AirTransport Statistics

International Airports

41

Domestic Airports

47

International Passenger Traffic

183 million passengers

International Cargo Traffic

881 169 metric tonnes

National Airlines with International Services

17

Foreign Airlines

175

Looking to the Future

- Air transport is a sector of vital importance to Spain, contributing to the creation of 440.000 jobs in the aerospace industry.
- Spain ranks second in the world in terms of foreign tourists, with 82 million in 2017. Some 80 per cent of them used air transport. Tourism contributes 11.1 per cent to GDP.
- There are 94 active bilateral and multilateral air transport agreements with States beyond the European Union.
- Spain serves three Flight Information Regions with five area control centres.
- 2 million flights are managed annually by ENAIRE air traffic control services.
- Spanish companies AENA and Ferrovial own and participate in airport operations in several Latin American and European countries.
- More than 160 countries use Spanish technology in their air traffic control centres.
- Spain is one of the Airbus partners, with manufacturing and assembly plants in Madrid, Sevilla and Cadiz.

Did You Know... Travel and Tourism

- AENA is the world's largest airport operator, handling 264 million passengers in Spain and 69.6 million in the airports where they participate in the rest of the world.
- •The continental airspace under Spanish responsibility is 2.2 million km²; it ranks sixth in the world and second in Europe.



Spain, committed to international civil aviation

SPAIN,

member of the Council since 1951

Congratulates ICAO on its 75th Anniversary



























We are committed to the air navigation safety and sustainable mobility.

Congratulations #ICA075

We **breathe** the air space.

Aena, the world's leading airport operator

by number of passengers*



- 46 airports and 2 heliports in Spain and 23 airports in the rest of the world
- · Sustainable infrastructure ready for the future
- Highest service quality
- Innovation: a key factor in global management

*Source: Aena, based on the ACI-Mundo report.

**The airports will become part of the Aena network at the beginning of 2020.











7 November 1946 - Deposit of instrument of ratification of the Chicago Convention

▼ Remote Tower Service (RTS) in Sundsvall





▲ Oresunds Bridge

Facts and Figures

Capital

Stockholm

Official Languages

Swedish

Currency

Krona

Area

449 964 km²

Population

10 million

Gross Domestic Product*

USD 538 billion USD 53 442 per capita

Country Telephone Code

46

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

31 million passengers

International Cargo Traffic

137 300 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- To operate air traffic control at a distance has meant breaking new ground.
- Since April 2015, the Air Traffic Control Tower at Örnsköldsvik Airport in Sweden is empty. Cameras fitted on a mast (covering 360 degrees) send video data to the Remote Tower Services (RTS) at Sundsvall Airport, more than 150 kilometres away.
- By deploying RTS, numerous air traffic control towers can be operated from another location, irrespective of distance. The result is an airport that can meet customer requirements with more flexible "on demand" air traffic services and varying opening hours.
- The system was developed by the Swedish Civil Aviation Administration, in cooperation with Saab. This is the start of a new generation of air traffic control.

Did You Know... Travel and Tourism

Sweden and Denmark are not only connected through the Öresund Bridge, but also with the development of the company NUAC HB (Nordic Unified Traffic Control), certified as an ATS provider to operate the three ATCCs in Copenhagen, Malmö and Stockholm.







6 February 1947 – Deposit of instrument of ratification of the Chicago Convention

▼ Ship on the Lake Thun





▲ Drone in Lugano, Ticino

State Facts and Figures

Capital

Bern

Official Languages

German, French, Italian, Roma

Currency

Swiss Franc

Area

41 128 km²

Population

8.4 million

Gross Domestic Product*

USD 678.9 billion USD 80 190 per capita

Country Telephone Code

41

Source: World Bank 2017

Air Transport Statistics

International Airports

7

Domestic Airports

11

International Passenger Traffic

55.1 million passengers

International Cargo Traffic

489 200 metric tonnes

National Airlines with International Services

4

Foreign Airlines

221

Looking to the Future

- Switzerland counts three national and four regional airports, all with international connections. The national airports are situated close to the cities of Basel, Geneva and Zurich. While this situation might be considered an advantage regarding their accessibility, their future development is influenced by noise restrictions. Furthermore all national airports are close to neighboring countries. Their operation depends therefore to a certain extent on bilateral agreements. The airport of Basel-Mulhouse (Euroairport) is even located entirely in France and is the only bi-national airport in the world, based on a 1949 agreement between Switzerland and France.
- Switzerland is at the forefront of the latest developments in the areas of Unmanned Aircraft Systems (UAS) and UAS Traffic Management (UTM). By establishing smart, flexible and technology-neutral rules, it continues to raise the bar in the field of civil aviation, constantly propelling it to new heights.

Did You Know... Travel and Tourism

Half of the surface of the country is covered by the majestic Alps. The airport of Samedan, located close to St. Moritz, is the highest in Europe in terms of altitude for widebody aircraft.





TAJIKISTAN

Relationship with ** ICAO



3 September 1993 – Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Dushanbe

Official Languages

Tajik

Currency

Somoni

Area

143 100 km²

Population

9 million

Gross Domestic Product*

USD 7.3 billion USD 803 per capita

Country Telephone Code

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

1.9 million passengers

International Cargo Traffic

2877 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- In accordance with the Open Doors policy, Tajikistan is ready for open and bilateral cooperation with other countries, as a result of which international cooperation has been established with many countries in all sectors, including tourism.
- Taking into account the peculiarities of the economy of Tajikistan and the prospects for attracting domestic and foreign investments, the most rational direction of strategic development for the republic is the development of mountain and health tourism.
- Taiikistan has created health and mountain touristic organizations that meet international requirements and are ready to receive tourists.
- The implementation of the tourism development program in Tajikistan will also contribute to the expansion of the geography of flights and the development of the aviation industry in the country as a whole.
- Welcome to sunny Tajikistan, a country which will reveal its mystery and will grant you a special experience of its unique beauty and pristine nature.

Did You Know... Travel and Tourism

According to the ratings of the BBC and GlobeSpots.com, the Republic of Tajikistan is among the top destinations in the field of adventure tourism, and according to the the British magazine "Wanderlust" is among the top five countries in the world where it is easiest to get a tourist visa. Tajikistan launched its "e-Visa" portal, allowing visitors to get a visa in an effortless way (www.evisa.tj).







18 November 1957 - Notification of adherence to the Chicago Convention

▼ Djerba





▲ Tunis Carthage Aeroport

* As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Tunis

Official Languages

Arabic

Currency

Tunisian Dinar

Area

163 610 km²

Population

10.9 million

Gross Domestic Product*

USD 40.3 billion USD 3 491 per capita

Country Telephone Code

216

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

10.7 million passengers

International Cargo Traffic

18 970 metric tonnes

National Airlines with International Services

Foreign Airlines

85

Looking to the Future

- O Jointly with the sector, the Ministry of Tourism and Handicrafts has set up a short-, medium- and a long-term strategy, part of a global vision to restore the image of the destination and the confidence of our partners and customers. Four pillars have been identified:
 - Branding: emphasis is placed on online promotion and supporting events, while continuing traditional PR activities and participation in exhibitions.
 - Training and quality: we have reviewed and refocused all training programmes to better respond to market demands, including for enhanced levels of service. We are working on establishing a 'quality label' in partnership with France and Austria. This label will be launched in 2017.
 - Regionalization of supply: we encourage the development of alternative tourism for the new customer segment motivated by values such as sharing and conviviality, a good fit with our destinations that feature a rich cultural and natural heritage
 - Governance of the sector: we are committed to resolving the debt situation and modernizing the administration.

Did You Know... Travel and Tourism

In order to reinforce the Tunisian national economy, the Government has implemented a policy to stimulate foreign investment in tourism. It is based on Freedom of investment, Freedom of transfer, Protection of investment, Gratitude and performance of foreign arbitrary sentences, Risk coverage and Protection of property rights.







20 December 1945 - Deposit of instrument of ratification of the Chicago Convention

▼ Istanbul Airport





Facts and Figures

Capital

Ankara

Official Languages

Turkish

Currency

Turkish Lira

Area

783 562 km²

Population

78.7 million

Gross Domestic Product*

USD 851.1 billion USD 10 541 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

International **Passenger Traffic**

83.5 million passengers

International Cargo Traffic

1.18 million metric tonnes

National Airlines with International Services

Foreign Airlines

184

Looking to the Future

- Some highlights of the new Istanbul Airport:
 - It will be a state-of-the art Green Airport with innovative and environment-friendly runways.
 - A total of 6.5 million square meters of apron area, 1.5 million square meters indoor area with an annual 90 million passengers capacity in the initial phase, 150 million in the second and 200 million passengers after the final phase.
 - •165 boarding ramps.
 - Railway system between terminal buildings.
 - In the first stage, two independent parallel runways compatible with all aircraft types will be operational for landing / take-off. Upon completion, the airport will have six runways, five in parallel and one functioning in a west-east direction.

Did You Know... Travel and Tourism

- Turkey's carriers are operating to 316 international destinations in 122 countries around the world.
- Turkey has signed bilateral air transport agreements with 170 of 192 ICAO Member States.





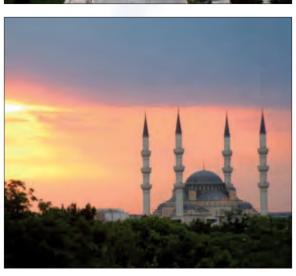


TURKMENISTAN*

Relationship with ** ICAO



15 March 1993 - Notification of adherence to the Chicago Convention



^{*} As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Ashgabat

Official Languages

Turkmen

Currency

Manat

Area

469 930 km²

Population

5.2 million

Gross Domestic Product*

USD 42.4 billion USD 7 356 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

N/A passengers

International Cargo Traffic

N/A metric tonnes

National Airlines with International Services

N/A

Foreign Airlines

N/A

Looking to the Future

Turkmenistan's largest cities are Turkmenbashi and Ashgabat. The largest airport is Ashgabat Airport, with regular international flights; scheduled international flights are also available to Turkmenbashi. The principal government-managed airline of Turkmenistan is Turkmenistan Airlines.

Did You Know... Travel and Tourism

Turkmenistan covers territory that has been at the crossroads of civilizations for centuries. In medieval times Merv (today known as Mary) was one of the great cities of the Islamic world and an important stop on the Silk Road.





UKRAINE

Relationship with ** ICAO



10 August 1992 - Notification of adherence to the Chicago Convention

▼ Boryspil International Airport





▲ Antonov An-225 Mriya Aircraft

Facts and Figures

Capital

Official Languages

Ukrainian

Currency

Hryvna

Area

603 700 km²

Population

42.3 million

Gross Domestic Product*

USD 112.2 billion USD 2640 per capita

Country Telephone Code

380

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

18.4 million passengers

International Cargo Traffic

55 170 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Ukraine's current policy in the sphere of civil aviation is aimed at air services liberalization, allowing air carriers unlimited market access to the partners' markets with maximum operational flexibility.
- The main short-term goals for Ukraine's aviation sector are: harmonization of the national legislation to comply with EU regulations, improving the level of aviation safety to the highest world standards.
- According to the National Transport Strategy, Ukraine has an ambitious goal to build or renovate more than 20 airports to increase the level of regional connectivity within the country along with multiplying the number of international destinations.
- The Ukrainian aerospace industry has considerable potential for future growth, particularly capitalizing on existing expertise and knowledge in the aircraft industry. A first step consists of strengthening the already existing production of aviation parts and components, developing partnerships with leading international manufacturers and increasing the market reach of Ukrainian exports.

Did You Know... Travel and Tourism

Long at the crossroads of civilizations, Ukraine has a rich cultural heritage. Scythians, Greeks, Turks, Mongolians and others left traces on the land of the Slavs. A three-hour flight from Europe offers some 500 km of Black Sea beaches, 100 000 m of Carpathian snow slopes, seven UNESCO sites and typical Ukrainian hospitality. And remember... Ukraine is the most affordable destination in Europe!





UNITED KINGDOM

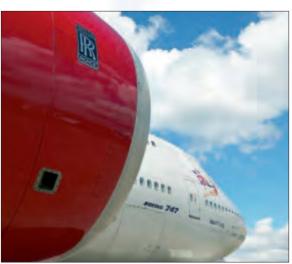
Relationship with ** ICAO



1 March 1947 - Deposit of instrument of ratification of the Chicago Convention

▼ Heathrow International Airport





▲ Rolls Royce engine

Facts and Figures

Capital

London

Official Languages

English

Currency

Pound Sterling

Area

242 500 km²

Population

66 million

Gross Domestic Product*

USD 2.6 trillion USD 39 720 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

245 million passengers

International Cargo Traffic

2.65 million metric tonnes

National Airlines with International Services

Foreign Airlines

214

Looking to the Future

- The UK is home to the busiest single-runway and two-runway airports in the world, with the third-largest aviation network and second-largest aerospace sector in the world. Aviation is also a vital part of the UK economy.
- The UK is a world leader in aviation safety and security, playing a leading role in the global aviation industry, delivering expertise and technology to deliver benefits and innovative solutions to meet the challenges of the future. Later this year the UK government will outline its long-term vision for a successful future of the sector.
- Over the next decade, a new third runway at London Heathrow will provide new connections to London from destinations around the world, while an airspace modernisation programme will help better manage the skies above, where UK air traffic services handle over 2.5 million flights in 2018.

Did You Know... Travel and Tourism

There are direct flight connections to the UK from 390 destinations in over 100 countries worldwide, giving plenty of options to access the famous landmarks, cultural icons, natural wonders and unique experiences of England, Scotland, Wales and Northern Ireland.





UZBEKISTAN

Relationship with ** ICAO



13 October 1992 - Notification of adherence to the Chicago Convention

▼ Samarkand Registan Place





▲ Samarkand

Facts and Figures

Capital

Tashkent

Official Languages

Uzbek

Currency

Uzbekistani Sum

Area

447 400 km²

Population

33.5 million

Gross Domestic Product*

USD 48.7 billion USD 1504 per capita

Country Telephone Code

998

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

2.6 million passengers

International Cargo Traffic

30 699 metric tonnes

National Airlines with International Services

Foreign Airlines

22

Looking to the Future

- The ancient lands where Uzbekistan is now located were at the crossroads of the legendary Silk Road, a network of trade routes that were central to cultural interaction through regions of the Asian continent connecting the West and East from China to the Mediterranean Sea. It is where various beliefs and religions came into being and evolved in harmony with each other.
- Many of the sights are associated with outstanding personalities of the past, whose holy sinless lives, spiritual virtues and philosophic views were powerful witnesses to their contemporaries and a pattern of selfless devotion and deep faith for the coming generations.
- Today, a large number of pilgrims from all over the world come to Uzbekistan to kneel before its Islamic shrines and be blessed.

Did You Know... Travel and Tourism

Samarkand was at the heart of the Great Silk Road. It was the capital of the empire built by the great warrior Temur. One of the most famous cities of Uzbekistan, Samarkand, was founded some 2 750 years ago and its history is full of remarkable events.











MIDDLE EAST



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Member States – 15

- Bahrain
- Egypt
- Iran (Islamic Republic of)
- Iraq
- Jordan
- Kuwait
- Lebanon
- Libya

- Oman
- Qatar
- Saudi Arabia
- Sudan
- Syrian Arab Republic
- United Arab Emirates
- Yemen







20 August 1971 - Notification of adherence to the Chicago Convention

▼ Bahrain International Airport Modernization Program





▲ Bab Al Bahrain Tourism Site

Facts and Figures

Capital

Manama

Official Languages

Arabic

Currency

Bahrain Dinar

Area

765.5 km²

Population

1.64 million

Gross Domestic Product*

USD 35.3 billion USD 23 665 per capita

Country Telephone Code

973

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

9 million passengers

International Cargo Traffic

223 830 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Bahrain International Airport (BIA) is undergoing its biggest infrastructure upgrade in decades with a new passenger terminal being constructed at an estimated cost of \$1.1 billion.
 - The new 220,000 square-metre facility will be four times blarger than the existing terminal, with capacity to handle up to 14 million passengers per year when operating at its highest level of service, an increase from the current terminal's capacity of 9 million.
 - The terminal's 'soft opening' is expected at the end of 2019, and will enable higher regional connectivity for business and leisure travellers.
- The project will allow the kingdom's economy to continue to grow as demand for air travel increases at both a global and Gulf level, offering increased opportunities for investors looking to access the Gulf market, enhanced by the benefits from 96 air service agreements with other countries, around half of which currently follow full open sky policies, signed by the MTT's Civil Aviation Affairs (CAA).

Did You Know... Travel and Tourism

Bahrain is considered a gateway to the Gulf area because of its Arab heritage and reputation for being safe and modern. The ancient civilization of Dilmun, which dominated trade between Mesopotamia and the Indus valley civilization, was centred in Bahrain. Its inhabitants left behind settlements, temples and tens of thousands of burial mounds that dot the landscape. Visit http://culture.gov.bh/en/visitingbahrain/destination/







13 March 1947 - Deposit of instrument of ratification of the Chicago Convention

Cairo International Airport Terminal 2





▲ Luxor Temple

Facts and Figures

Capital

Official Languages

Arabic

Currency

Egyptian Pound

Area

995 450 km²

Population

97 million

Gross Domestic Product*

USD 235.4 billion USD 2413 per capita

Country Telephone Code

+20

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

31.1 million passengers

International Cargo Traffic

323 761 metric tonnes

National Airlines with International Services

Foreign Airlines

121

Looking to the Future

- The future plan for our Flag Carrier, Egyptair, is to increase the fleet via purchasing 33 new aircrafts (B787-900, A320 Neo, A220) in addition to three A330-200 cargo aircrafts by the year 2021 to expand operations to many destinations all over the world.
- Modernizing aircraft Hangar 7000 & establishing a new hangar 9000 to comply with requirements of EASA & FAA, to pave the way to increase maintenance capacity to accommodate the growth of the fleet, besides maintenance for other airlines (we are serving 142 foreign airlines).
- Egypt ensures effective safety standards applied in all our airports; as a result Luxor intl. airport has been granted the best airport in Africa in 2018 by ACI for complying with safety standards
- We are developing & establishing new satellite ground stations & equiments to support the navigation communication systems, hence increasing the safety of air traffic according to international standards.
- To increase overall capacity in Egyptian airports, we intend to establish a new airport named Barnis located south of the Red Sea coast.

Did You Know... Travel and Tourism

Tourism in Egypt dates back to centuries before Christ. Herodotus, the Greek ancient historian, who is considered to be the first historian, visited Egypt during the Persian occupation, in addition to many Greek doctors who visited Egypt to learn medicine.

Blessed by a multitude of tourist attractions, in Egypt you can find almost all types of tourism like cultural, religious, medical & sports.





IRAN (ISLAMIC REPUBLIC OF)

Relationship with ICAO



19 April 1950 - Deposit of instrument of ratification of the Chicago Convention

City of Shiraz





▲ Ikia Airport

Facts and Figures

Capital

Tehran

Official Languages

Persian (Farsi)

Currency

Rial

Area

1 648 195 km²

Population

81 million (2017 census)

Gross Domestic Product*

USD 439.5 billion USD 5 415 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International Passenger Traffic

12.6 million passengers

International Cargo Traffic

79 660 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Iran implements ICAO SARPS, has safe, secure and eco-friendly aircraft operations, and is prepared to meet the challenges presented by new technologies.
- According to the Vision and Mission of the 6th Development Plan, Iran has a comprehensive programme to expand all modes of transport infrastructure, among them civil aviation, to meet the growing demand for domestic and international air travel. The programme comprises the restructuring, deregulating and liberalizing of civil aviation activities, expansion of capacity at airports, modernizing of air navigation and surveillance equipment, and fleet expansion of carriers.
- Concurrently, Iran is paving the way for privatization and the investment of the private sector in airport infrastructure projects.
- Another priority is training of the next generation of aviation professionals, to keep pace with the growing demand for human resources in all sectors of transport.
- Iran cooperates with regional and international bodies to enhance its civil aviation in order to gain a competitive advantage over its rivals.

Did You Know... Travel and Tourism

All modes of transport are available to anyone wishing to travel and visit the landscape of Iran, which is diverse and features beautiful ancient temples, mosques, fortresses, striking monuments and archaeological treats that attract history and art enthusiasts alike. In any location, visitors can look forward to engaging with warm-hearted locals, who are generous with their hospitality.





Relationship with



2 June 1947 – Deposit of instrument of ratification of the Chicago Convention

PA SPORAD STATE OF THE PARTY OF



▲ Iraqi Marshes

State Facts and Figures

Capital

Baghdad

Official Languages

Arabic, Kurdish

Currency

ID Iraqi Dinar

Area

438 466 km²

Population

35 million

Gross Domestic Product*

USD 197.7 billion USD 5166 per capita

Country Telephone Code

964

*Source: World Bank 2017

Air Transport Statistics

International Airports

6

Domestic Airports

N/A

International Passenger Traffic

4.8 million passengers

International Cargo Traffic

11 620 metric tonnes

National Airlines with International Services

7

Foreign Airlines

11

Looking to the Future

- The Iraqi Civil Aviation Authority (ICAA) strategy is to encourage the involvement of private sector in the industry to develop the infrastructure of the current and new airports via public-private partnership (PPP) contracts. Due to the tremendous increase of international passenger traffic, investors have been attracted to construct and operate new airports in the country.
- Iraq is considered as one of the few countries where millions of religious tourists visit various cities in the country, which has triggered the government to propose building Karbala airport as the biggest airport in Iraq, located between the cities of Karbala, Najaf and Hilla (southwest Baghdad). Accordingly, a concession contract with a private consortium has been signed and announced that the airport will start operation by September 2020.

Did You Know... Travel and Tourism

UNESCO included the Marshes of Iraq on its list of World Heritage Sites in July 2016. The ALAHWAR Marshes are located in southern Iraq and cover an area of 20 000 sq km. It is unique in that it is one of the largest inland bodies of water in the world located in a dry and very hot environment.





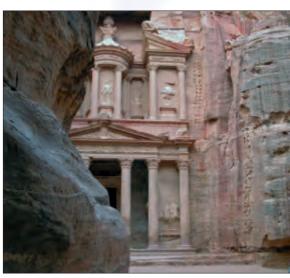
JORDAN

Relationship with ** ICAO



18 March 1947 - Notification of adherence to the Chicago Convention

IICAO Council President Certificate Jordan



Petra

Facts and Figures

Capital

Amman

Official Languages

Arabic

Currency

Jordanian Dinar

Area

89 318 km²

Population

10 053 000

Gross Domestic Product*

USD 40.1 billion USD 4130 per capita

Country Telephone Code

962

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

International Passenger Traffic

8.66 million passengers

International Cargo Traffic

108 000 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The Air Transport Sector in Jordan is facing several Challenges: support the continuous growth of the economy and meet the environmental and social goals, while promoting liberalization and increasing private investments.
- The Civil Aviation Regulatory Commission recognizes and adopts strategies to achieve economic benefits through the implementation of a prioritized chain of actions that ensure the aviation investments and air passenger and freight services attractiveness.
- The strategies for the aviation sector are related first of all to the development of Jordanian airports and tourism demand.

Did You Know... Travel and Tourism

Jordan is a safe haven in a region of conflict. Upon arrival, you get a sense of its rich heritage; all around are remnants of historical ancient civilizations, stamped into the very fabric of this amazing Kingdom and etched into the soul of its people. Jordan has delighted visitors for centuries with its holy sites and inspiring desert landscapes symbolized by the rock-cut architecture, "PETRA".





KUWAIT

Relationship with ** ICAO



18 May 1960 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Kuwait City

Official Languages

Arabic

Currency

Kuwaiti Dinar (KWD)

Area

17 820 km²

Population

4 million

Gross Domestic Product*

USD 120.1 billion USD 29 040 per capita

Country Telephone Code

965

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

International Passenger Traffic

14.8 million passengers

International Cargo Traffic

249 531 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Since the implementation of the "open skies" Policy in 2006, traffic has grown to more than 14 million passengers in 2018, generating both economic growth for the air transport sector and greater interest on the part of international airlines to begin or increase services to Kuwait.
- Nuwait International Airport assigned codes to passenger terminals, namely Main Terminal - T1, new future Passenger Terminal T2, Sheikh Saad Terminal - T3, new Passenger Terminal T4 for Kuwait Airways & new Passenger Terminal T5 for Jazeera Airways.
- A new future Passenger Terminal (T2) at Kuwait International Airport is under construction and will accommodate 25 million passengers. T2 will be designed to meet the 'Gold' level of LEED certification.
- Nuwait Airways Passenger Terminal (T4) was built within 21 months based on the "fast track" building concept and was completed in 2018.
- In addition to T2, KIA is building a new 3rd runway on the west side, upgrading the two existing runways, as well as constructing a new, state-of-the-art ATC control tower to improve visibility over the three runways.

Did You Know... Travel and Tourism

- Passenger movement: 14 813 527
- Aircraft movement: 118 133
- Destinations: 100
- Net sales of tickets (USD): \$2 569 599 610
- Number of tickets sold: 8 289 031
- Number of travel agents in Kuwait: 432





LEBANON

Relationship with W ICAO



19 September 1949 - Deposit of instrument of ratification of the Chicago Convention

▼ Aerial view of the Pigeons' Rocks on Raouche





▲ Zaytouna Bay Beirut at night

Facts and Figures

Capital

Beirut

Official Languages

Arabic

Currency

Lebanese Pound

Area

10 452 km²

Population

6 million

Gross Domestic Product*

USD 51.8 billion USD 8 524 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International Passenger Traffic

8.8 million passengers

International Cargo Traffic

98 200 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Lebanon with its 225 km of azure Mediterranean coastlines and its forests and mountains culminating in the Levant region with "Qurnet al Sawda" to 3083 m peak, and despite all political crisis surrounding it in the region, Lebanon remains attractive to passengers, tourists and businesses from all around the world.
 - Encouraged by an "open skies" policy approved in 2005, and implemented a few years ago, the number of airlines operating flights to Lebanon continues to increase.

In parallel, destinations from and to Lebanon continue to grow tremendously.

Did You Know... Travel and Tourism

To support the increase in flights and passenger numbers, the Directorate General of Civil Aviation is expanding the existing terminal in a quick response to increase its capacity with an additional 2.000.000 pax. The launching of the new area will take place in August 2019, the expansion will allow an improvement in the quality and level of services provided by Rafic Hariri International Airport-Beirut.







29 January 1953 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Tripoli

Official Languages

Arabic

Currency

Libyan Dinar

Area

1 665 000 km²

Population

6.2 million

Gross Domestic Product*

USD 51 billion USD 7 998 per capita

Country Telephone Code

218

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

International Passenger Traffic

2.7 million passengers

International Cargo Traffic

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Libya is planning to become a main commercial hub linking Europe and Africa, as well as East and West. This vision rests primarily on the country's excellent location facing Europe, a 2000 km coastline on the Mediterranean Sea, and the largest portion of the Great Sahara with 1666 500 km² within its borders.
- Accordingly, Libya intends to rebuild its main airports throughout the country.
- Concerning tourism, the plan will include major efforts in various sectors such as advertising and marketing, hotel accommodation and tourist amenities, leisure centres, superior quality standards and, of course, preservation and protection of natural and archaeological
- All of this will involve a massive amount of work in the promotion of national and foreign investments, strengthening and development of basic infrastructure, solidifying the banking system, education and training, road and ground transportation, and most important, addressing the critical safety and security issues created by the political context.

Did You Know... Travel and Tourism

Libya is an ancient crossroads of civilizations in the heart of the Mediterranean coast: the finest Roman and Greek ruins in existence, among them Leptis Magna, Cyrene and Sabratha. Libya also has beautiful corners of the Sahara Desert, from seas of sand and sheltering palm-fringed lakes to remote massifs adorned with prehistoric rock art, a labyrinthine caravan town and an isolated mountain.







24 January 1973 - Notification of adherence to the Chicago Convention

▼ Muscat Airport





▲ Control tower of Muscat Airport

Facts and Figures

Capital

Muscat

Official Languages

Arabic

Currency

Omani Rial

Area

309 500 km²

Population

4.6 million

Gross Domestic Product*

USD 72.6 billion USD 15 668 per capita

Country Telephone Code

968

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International Passenger Traffic

17.6 million passengers

International Cargo Traffic

201 000 metric tonnes

National Airlines with International Services

Foreign Airlines

34

Looking to the Future

- With the opening of Oman's new Muscat International Airport in 2018, travelers can expect great things from the Middle East's new beacon of comfort, efficiency and technology. With a current capacity of 20 million passengers a year and a planned capacity of 48 million, Muscat International Airport connects with 95 cities worldwide and has propelled the Sultanate into becoming a major Middle East business, tourist and transfer hub.
- Muscat's efficiency is supported by a memorandum of understanding with Microsoft in the context of digital transformation and innovative, making Oman both a regional and international hub in technology. Additionally, with the application of new smart technologies such as airport robotics, Muscat International Airport is number 18 in the world's top airport ranking.

Did You Know... Travel and Tourism

From mountains in the north, the cool Khareef season in the South, and 3,000 km of coast in between, Oman has something for everyone to discover. The Sultanate ensures that visitors have a variety of activities to enjoy, both indoors and outdoors. Home to five UNESCO heritage sites. Oman's rich cultural and natural history continue to place it on Top 20 lists of must-see foreign destinations.







5 September 1971 - Notification of adherence to the Chicago Convention

▼ Qatar National Convention Centre





▲ Dhow Cruises in Qatar

Facts and Figures

Capital

Doha

Official Languages

Arabic

Currency

Qatari Riyal

Area

11 610 km²

Population

2.67 million

Gross Domestic Product*

USD 167.6 billion USD 63 506 per capita

Country Telephone Code

974

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

International **Passenger Traffic**

34.5 million passengers

International Cargo Traffic

2.2 million metric tonnes

National Airlines with International Services

Foreign Airlines

26

Looking to the Future

- Qatar has concluded more than 165 per cent Air Service Agreements with other States which represents 85 per cent of the ICAO States. The country aims to have an agreement with all ICAO states in the coming years.
- Qatar has sharpened its focus on hospitality and tourism in recent years, setting itself a target of 5.6 million visitors annually by 2023. By then, tourism receipts are expected to reach USD 11 billion.

Did You Know... Travel and Tourism

Hamad International Airport welcomed more than 35 million passengers in 2017 with an average compounded annual growth rate over the past four years reaching 11 per cent annually.

According to the UNWTO's most recent visa openness ranking, Qatar is the most open country in the Middle East and the 8th most open in the world.

MORE ABOUT **QATAR**

Message from the President of the Qatar Civil Aviation H.E. Abdulla Nasser Al-Subaey

Civil Aviation at Forefront of Qatar Economy

Hamad International Airport expansion prepares for World Cup



Since its inception, Qatar Civil Aviation Authority (QCAA) has developed in line with State strategies, polices and Qatar National Vision 2030. QCAA has directed its vision and strategy toward maintaining a safe, efficient and sustainable civil aviation system that would strengthen Qatar's position in the international civil aviation industry. We have accomplished major achievements that have placed civil aviation in the forefront of the most effective and influential sectors of the national economy, which has enabled us to play a positive role in national capacity-building through community development, sustainable development, compliance with international environmental standards, protection of life and property, and assurance of air safety.

The new Hamad International Airport provides an ideal environment for the air transport sector in Qatar, thanks to state-of-the-art facilities. The second phase of the expansion will increase the capacity of the airport from 30 million passengers to more than 53 million passengers a year.

The expansion is a major part of Qatar's preparations for hosting the 2022 FIFA World Cup, during which Qatar will witness a very large number of visitors to attend this world sporting event. The event will reflect the image of modern Qatar and support significant economic achievements, especially for civil aviation, which will benefit from hosting such a large-scale international event, as well as being the cornerstone in attracting substantial investments.

A top priority is to expand the reach to a wide range of global destinations of the national carrier, Qatar Airways, one of the fastest growing airlines in the world. QCAA has concluded 167 international agreements, which have enabled Qatar Airways to reach a number markets for the first time, including key destinations in Latin America and the Balkans.

QCAA attaches great importance to exchange of experiences with friendly countries. This is particularly relevant for aviation security and safety, following the MoU signed between Qatar and the European Aviation Safety Agency (EASA) last year. In addition to its willingness to provide expertise in the field of airport security, Qatar has been in the forefront of States in the implementation of civil aviation security standards according to the official results issued by ICAO, having been rated 99.10% in 2017 in the implementation of Security standards contained in Annex 17 to the Chicago Convention.

Qatar has also made a significant contribution to the field of civil aviation by providing \$1 million to support the ICAO No Country Left Behind campaign to help ensure better implementation of ICAO Standards and Recommended Practices (SARPs) at an international scale, particularly in the priority areas of aviation safety and security.







STATE ACTION PLAN ON CO, EMISSIONS



SUSTAINABLE AVIATION FLIFTS



ENERGY AND CLIMATE CHANGE



NOISE AND AIR QUALITY



EFFECTIVE WASTE MANAGEMENT



CORSIA Cartier Offsetting and Reduction Scheme





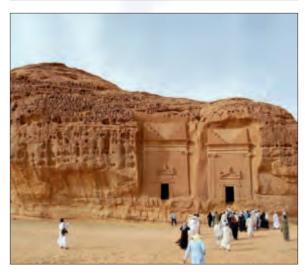


SAUDI ARABIA

Relationship with ICAO



19 February 1962 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Riyadh

Official Languages

Arabic

Currency

Saudi Riyal

Area

2 000 000 km²

Population

33.4 million

Gross Domestic Product*

USD 683.8 billion USD 20 761 per capita

Country Telephone Code

966

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

International **Passenger Traffic**

49 million passengers

International Cargo Traffic

676 799 metric tonnes

National Airlines with International Services

Foreign Airlines

105

Looking to the Future

- According to the World Bank, more than 16 million tourists visited Saudi Arabia in 2017, making it the 21st most-visited country.
 - In its Vision 2030, Saudi Arabia sets an ambitious target to increase the number of Umrah visitors it welcomes every year from 8 to 30 million.
- Saudi Arabia is investing more than USD 20 billion on its airport infrastructure to accommodate the growing number of air travellers in the Middle East Region.
- The move forms part of the Government's efforts to increase productivity and efficiency within the aviation industry and, more broadly, diversify its income streams while reducing State expenditures. This is also part of the Vision 2030 Plan to increase the role of the private sector and attract more talent, visitors and investments.

Did You Know... Travel and Tourism

The Kingdom of Saudi Arabia is one of the most culturally diverse countries in the world. It is home to ancient customs, traditions and prehistoric civilizations. Its great geographic expansion and terrain diversity, between the plains, mountains, deserts and sea, give it a unique climatic and natural diversity throughout the year.







29 June 1956 - Notification of adherence to the Chicago Convention

▼ Beautiful hieroglyphic carvings in North Khartoum





Facts and Figures

Capital

Khartoum

Official Languages

Arabic and English

Currency

Sudanese Pound

Area

1 882 000 km²

Population

40 million

Gross Domestic Product*

USD 117.5 billion USD 4467 per capita

Country Telephone Code

249

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

3.1 million passengers

International Cargo Traffic

31 279 metric tonnes

National Airlines with International Services

Foreign Airlines

21

Looking to the Future

- With EI of 74.56 per cent in Safety and the 9th rank of 53 audited African States, Sudan is considered by ICAO as one of the safest countries in Africa that have met their safety oversight obligations.
- Sustainability is the ultimate goal of Sudan CAA (SCAA), the official regulatory body, Sudan adopted an Aviation Strategy (2017-2031) aimed at reforming and developing all aspects of the aviation sector.
- Sudan has recently promulgated a new CAA Act, approved by the National Assembly as of 5 November 2018; the new Act provides an unprecedented degree of independence and empowerment to enable recruiting and retention of technical personnel and to promote the entire industry.
- The unique ANS in Sudan receives a particular focus: a full Radar and ADS-B coverage, CPDLC, ADS-C, and AMHS, an ambitious project launched to restructure the Sudanese airspace. Phase one resulted in tremendous savings in distance, time and fuel consumption.
- New International Airport (KNIA) is under construction for 7.5m passengers a year; the double runway is expected to be completed in 2021.

Did You Know... Travel and Tourism

Sudan enjoys various tourist resources. It is one of the richest African countries in wildlife, birds and Nile natural scenery. The climate is characterized by varied conditions, and is moderate in the Red Sea area such as the Erkwiet Summer Resort. Jebel Marra lies in western Sudan, 10,000 ft above sea level - a range of mountains, waterfalls, and volcanic lakes in an outstanding scenic beauty.





* * SYRIAN ARAB REPUBLIC

Relationship with ** ICAO



21 December 1949 - Deposit of instrument of ratification of the Chicago Convention

▼ Damascus International Airport





▲ Check-in area

Facts and Figures

Capital

Damascus

Official Languages

Arabic

Currency

Syrian Pound

Area

183 630 km²

Population

22.2 million

Gross Domestic Product*

USD 28.4 billion USD 1534 per capita

Country Telephone Code

963

*Source-UNdata 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

537 628 passengers

International Cargo Traffic

1836 metric tonnes

National Airlines with International Services

N/A

Foreign Airlines

N/A

Looking to the Future

- Syria, "The Treasure of the East," is a natural open-air museum. It is the land of the best tourist, historical and cultural attractions, as well as very rich religious Islamic and Christian sanctities:
 - "Maloola" is a village whose history dates back to the 10th century BC and is known to be the only remaining city where "Syriac," the language of Christ, is spoken.
 - Medical tourism is another reason to visit Syria. Its natural mineral springs and sulfur geysers are recognized for their natural health benefits.
- Syrian air traffic is the measure to reach your purpose:
 - All services are provided by the Syrian Civil Aviation Authority through its international airports.
 - Facilities are available with Syrian National Airlines.
 - Historically certified, Syrian space is still free from any incident.

Did You Know... Travel and Tourism

Damascus is the oldest continuously inhabited capital city on earth. It is known as "The city of Jasmine," a flower that can be seen in the yard of every house in the old city.

Syria is proud to have given the first alphabet to the world, the "Ugarit" alphabet, back in 1500 BC.

Syria gave the world, in the 4th Century BC, the first complete piece of music: "The Chant of Worship."





UNITED ARAB EMIRATES

Relationship with ** ICAO



25 April 1972 – Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Abu Dhabi

Official Languages

Arabic

Currency

UAE Dirham

Area

83 600 km²

Population

in 2018 9.54 million

Gross Domestic Product*

USD 382.6 billion USD 40 699 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

International **Passenger Traffic**

129 million passengers

International Cargo Traffic

68,650,083KG

National Airlines with International Services

Foreign Airlines

148

Looking to the Future

- The UAE has consistently worked with the international civil aviation community to adapt and implement internationally acceptable aviation safety and security standards and recommended practices whilst ensuring an orderly growth of the industry with a minimum impact on environment.
 - •In 2016, the \$US 1 Million Sheikh Mohammed bin Rashid Global Aviation Award was launched to recognize the achievements of individuals and member states towards the development of aviation sector.
 - UAE tops the ICAO USOAP global rankings with the highest ever recorded score of 98.86% compliance.
 - •Since March 2016, UAE is permanent member of the Committee on Environmental Protection (CAEP).
 - Among the leading States to submit and execute a comprehensive State Action Plan for the management of carbon emissions from the international civil aviation.
 - In 2017, the UAE received approximately 18 million travelers and the total expenditure of tourists amounted to about AED 61.2 billion.
 - An committed advocate for the promotion of liberalization, the UAE's tally of 176 Air Service Agreements stands out as the highest by any Member State.

Did You Know... Technical Co-operation

The UAE honors its responsibility towards the international civil aviation community and supports the development of the sector through various International Cooperation Program activities. These include, specialized training, during 2011-18 period for 1,385 participants from various ICAO Member States. In addition to this, GCAA organized internship for 55 women under the umbrella of women's empowerment program. These efforts are directed towards uplifting the aviation safety and security standards of member states.







17 April 1964 – Notification of adherence to the Chicago Convention



* As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Sana'a

Official Languages

Arabic

Currency

Rial

Area

527 829 km²

Population

23.8 million

Gross Domestic Product*

USD 29.7 billion USD 1 106 per capita

Country Telephone Code

967

*Source: UNdata 2017

Air Transport **Statistics**

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

2.7 million passengers

International Cargo Traffic

19 330 metric tonnes

National Airlines with International Services

Foreign Airlines

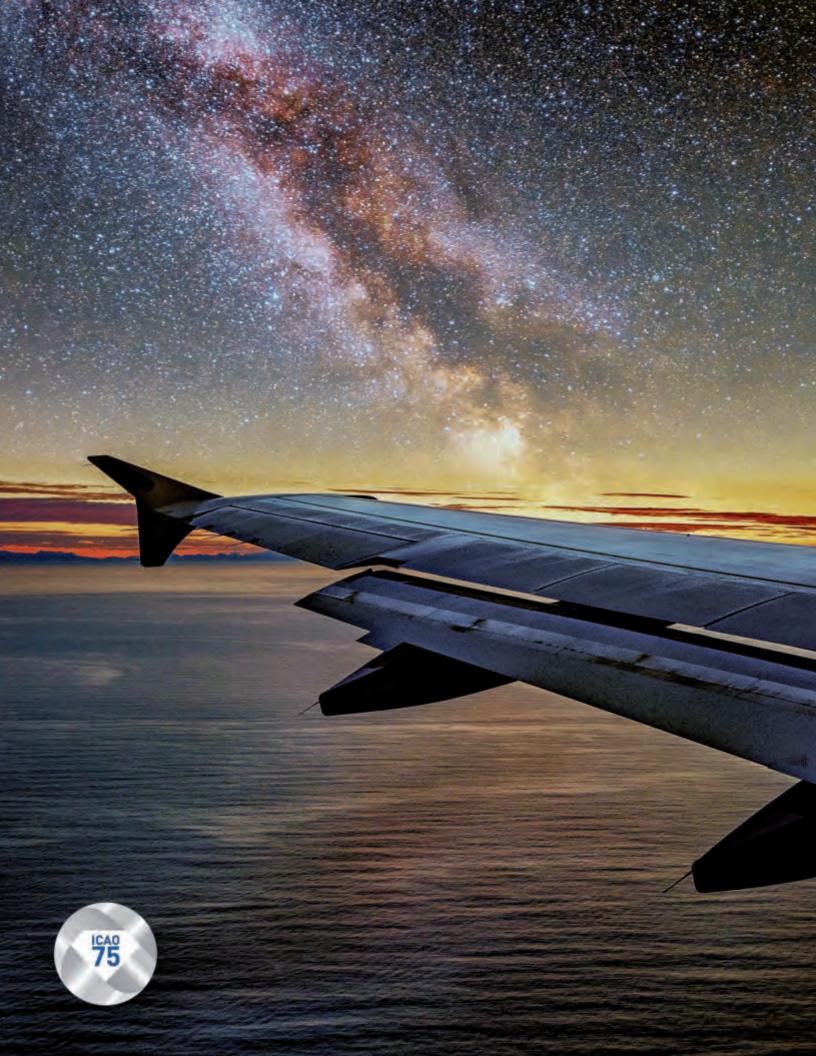
12

Looking to the Future

- Concluded bilateral air services agreements with 70 countries worldwide.
- Currently holds the Chairmanship of the Executive Council of the Arab Civil Aviation Commission (ACAC) for the period 2014-2016.
- Yemenia is a member of the Arab Air Carriers Organization. The national airline operates scheduled domestic and international passenger flights to destinations in Africa and the Middle East, as well as to Asia and Europe, out of Sana'a International Airport and, to a lesser extent, Aden International Airport.

Did You Know... Travel and Tourism

Yemen is part of Biblical tales and legends, known as the "Fairy tale Arabia". Homeland of the Queen of Sheba, Noah knew it as "the land of milk and honey". The old city of Sana'a and Shibam, with mud brick houses and bustling alleyways, is enchanting.





ICAO NORTH AMERICA, CENTRAL AMERICA AND CARIBBEAN







NORTH AMERICA CENTRAL AMERICA AND CARIBBEAN



Mr Melvin Cintron

Regional Director



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Member States - 22

- Antigua and Barbuda
- Bahamas
- Barbados
- Belize
- Canada
- Costa Rica
- Cuba
- Dominica
- Dominican Republic
- El Salvador
- Grenada
- Guatemala

- Haiti
- Honduras
- Jamaica
- Mexico
- Nicaragua
- Saint Kitts and Nevis
- Saint Lucia
- Saint Vincent and the Grenadines
- Trinidad and Tobago
- United States





ANTIGUA AND BARBUDA

Relationship with ** ICAO



10 November 1981 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Saint John's

Official Languages

English

Currency

East Caribbean Dollar

Area

440 km²

Population

95 014

Gross Domestic Product*

USD 1.5 billion USD 15 022 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

900 000 passengers

International Cargo Traffic

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The new V.C. Bird International Airport terminal building opened in 2015, doubling the capacity of the adjacent terminal. The ultra-modern facility houses new security screening systems, four jet bridges, 13 boarding gates, a First Class departure lounge that can accommodate up to 1 200 passengers, and several VIP Lounges, along with 46 check-in counters and 15 self-check kiosks. Free wi-fi and internet services are available. The airport is equipped with up-to-date passenger processing and monitoring facilities, flight information display systems and duty-free shopping units. Newly added features include two Forex Cambios and Incoming Duty Free shopping. By year-end 2019, a landside food court will be introduced. In addition, we boast as being named the "Caribbean" Airport of Year" by Caribbean Journal in 2018.
- COUNTY VCBIA is the hub of regional carrier Leeward Island Air Transport. Other carriers include American Airlines, United Airlines, JetBlue Airways, Delta Airways, Air Canada, WestJet Airlines, British Airways, Virgin Atlantic, Thomas Cook, Alitalia and Condor.

Did You Know... Travel and Tourism

With 365 beaches, Antiqua is known for having a beach for every day of the year. Our Sister Isle, Barbuda, is known for its pink-coloured sand. All beaches in Antigua and Barbuda are open to the public. Some are easily accessible, while others are located in more intriguing and challenging spots. Nevevertheless, all contribute to a dream vacation in a wonderful part of the world!





BAHAMAS*

Relationship with ** ICAO



27 May 1975 - Notification of adherence to the Chicago Convention

▼ Dean's Blue Hole, Long Island





▲ State-of-the art terminal radar app. control

* As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Nassau

Official Languages

English

Currency

Bahamian Dollar

Area

10 010 km²

Population

371 960

Gross Domestic Product*

USD 12.2 billion USD 30 762 per capita

Country Telephone Code

1-242

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

1.3 million passengers

International Cargo Traffic

National Airlines with International Services

Foreign Airlines

18

Looking to the Future

- The Bahamas Department of Civil Aviation is close to fulfilling its commitment of a Civil Aviation Authority (CAA) based on the separation of all service provider and operations entities (aerodromes) and agencies, all the while focused on meeting ICAO Standards and Recommended Practices.
- The new CAA will include an independent aircraft investigation bureau and an independent aircraft licensing section, an Air Navigation Services section with oversight capabilities for air traffic services, and an Aerodromes and Ground Aids Inspectorate section for certification and oversight of all aerodromes.
- 1 In 2015, The Bahamas procured a new Terminal Radar Approach Control Centre (Tracon), complete with a state-of-the-art ASR-12 radar system, for Lynden Pindling International Airport, the main gateway to The Bahamas and fourth busiest airport in the Caribbean
- In addition, the refurbishment and upgrade of Family Island Airports is with the goal of further improving the safety and efficiency of the air transport system.

Did You Know... Travel and Tourism

The largest island of The Bahamas, Andros, boasts the third largest barrier reef in the world. A new and improved interactive Tourism Today website (www.tourismtoday.com) was launched, featuring videos, upcoming events, statistical data, the latest tourism news, and much more to make every visit a most enjoyable and fulfilling one.





BARBADOS

Relationship with ** ICAO



21 March 1967 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Bridgetown

Official Languages

English

Currency

Barbados Dollar

Area

432 km²

Population

283 221

Gross Domestic Product*

USD 4.8 billion USD 16 789 per capita

Country Telephone Code

246

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

2 million passengers

International Cargo Traffic

16 000 metric tonnes

National Airlines with International Services

Foreign Airlines

23

Looking to the Future

- Charting the future air travel: Above & Beyond Barbados is committed to ensuring that the aviation industry supports a safe, secure and sustainable air transport tourism sector. To this end, the industry has adopted several key initiatives, including:
 - Recognizing the importance of our international airport to the economy
 - Focusing on better utilization of the national airspace system through the implementation of Performance Based Navigation
 - Promoting tourism and travel
 - Revitalizing the air transport industry in Barbados
- Olobally recognized as a tourist destination, Barbados has embraced and built upon the advantages of its greatest asset. It is an industry that encourages global commerce and tourism, and its ideal geographic location allows several airlines to access our international airport within an eight-hour flying time.

Overall, Barbados has established a comprehensive air transportation system, one that has contributed significantly over the years to the social and economic development of the country.

Did You Know... Travel and Tourism

Barbados was the only vacation destination in this hemisphere with scheduled Concorde service. One of the retired British Airways Concordes now resides at our international airport.





BELIZE

Relationship with ** ICAO



7 December 1990 - Notification of adherence to the Chicago Convention

▼ Blue Hole Snorkel





▲ Mayan King Waterfall

Facts and Figures

Capital

Belmopan City

Official Languages

English

Currency

Belize Dollar

Area

22 810 km²

Population

359 000

Gross Domestic Product*

USD 1.8 billion USD 4 905 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

856 324 passengers

International Cargo Traffic

948 metric tonnes

National Airlines with International Services

Foreign Airlines

10

Looking to the Future

- In Belize, aviation has been increasing exponentially, with a six percent annual growth in passenger traffic. More airlines have been approved to operate on new routes between pair cities to Belize whilst existing airlines have increased operations on the same routes.
- The Belize Department of Civil Aviation (BDCA) continues to be in constant proactive dialogue with industry stakeholders to ensure that aviation continues to grow in Belize.
 - The BDCA has enhanced performance-based navigation (PBN) procedures for a more dynamic use of airspace including the improvements of state of the art modern air navigation service systems.
 - The BDCA has signed additional air transport agreements with other ICAO Member States.
 - The BDCA's overall objective is to ensure that our aviation system continues to be safer, more secure and more efficient, enabling it to keep growing in a sustainable manner by diligently implementing ICAO SARPs and national legislation, regulations and policies.
- Negotiations continue for the construction of another international airport to cope with growing demand.

Did You Know... Travel and Tourism

Off the coast of Belize is located the second largest barrier reef in the world, the first being the Great Australian Barrier Reef. Known as the Belize Barrier Reef, it has 200 separate subtropical islands of unsurpassed natural beauty. The reef is home to more than 400 species of subtropical fish. It is a perfect haven for diving and snorkelling.





CANADA

Relationship with ** ICAO



13 February 1946 - Deposit of instrument of ratification of the Chicago Convention

▼ Parliament of Canada





Facts and Figures

Capital

Ottawa

Official Languages

English, French

Currency

Canadian Dollar

Area

9 984 670 km²

Population

35.2 million

Gross Domestic Product*

USD 1.7 trillion USD 45 032 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

307

International **Passenger Traffic**

60.9 million passengers

International Cargo Traffic

747 800 metrics tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Montréal has proudly hosted ICAO since its foundation. In 2013, ICAO and Canada signed a new Supplementary Headquarters Agreement that will be in effect until 2036.
- With more than 36 000 civil aircraft and 61 000 licensed pilots, Canada has the second largest civil aircraft fleet and pilot population in the world.
- Under its November 2006 Blue Sky Policy, Canada has concluded new or expanded air transport agreements with more than 100 countries.
- The Canadian aerospace industry ranks third globally in terms of civil aircraft production activity. It is responsible for 188 000 jobs and reached CAD29 billion (USD 22 billion) in direct revenue in 2017.
- The Greater Montréal area has the second largest density of aerospace jobs in the world and is the largest aerospace centre in Canada, with 70 per cent of Canada's aviation R&D, 52 per cent of sales and 45 per cent of the workforce.
- The Greater Montréal area hosts 10 international aerospace organizations, including the International Air Transport Association (IATA), Airports Council International (ACI) and the International Federation of Airline Pilots' Associations (IFALPA).

Did You Know... Travel and Tourism

Air transportation services, both passenger and cargo, are vital to the livelihood of Canadians in remote regions, particularly during the period of the year when winter roads are not available.







1 May 1958 - Deposit of instrument of ratification of the Chicago Convention



Facts and Figures

Capital

San Jose

Official Languages

Spanish

Currency

Colón

Area

51 060 km²

Population

5 million

Gross Domestic Product*

USD 57 billion USD 11 631 per capita

Country Telephone Code

506

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

4 million passengers

International Cargo Traffic

88 322 metric tonnes

National Airlines with International Services

Foreign Airlines

25

Looking to the Future

- Ocosta Rica is undertaking aeronautical studies to assess the level of investment required for the development of a network of international and local airports to support long-term traffic growth projections, through direct connections to Costa Rica as a final destination from anywhere in the world.
- Also, in response to the growth of tourism in Costa Rica, an investment plan doubles the movement areas at major airports, while increasing the surface area of terminal buildings, certification of airports and the development of Performance Based Navigation as a primary measure.
- In regard to the Juan Santamaria International Airport, priority is given to improving airport facilities to ensure better customer service. Also, a new parallel taxiway located south of the runway is being constructed to increase the airport's airside capacity.

Did You Know... Travel and Tourism

Costa Rica is a country committed to the protection of its natural and cultural riches that together offer visitors a great experience. In fact, its natural resources represent five percent of the planet's biodiversity. The territory is divided into 28 natural parks, eight biological reserves, 71 wildlife refuges and 31 protected zones, among others.







11 May 1949 - Deposit of instrument of ratification of the Chicago Convention

▼ Cuban civil aviation infrastructure





▲ Tourist attractions in Cuba

Facts and Figures

Capital

Havana

Official Languages

Spanish

Currency

Cuban Peso

Area

109 884 km²

Population

11.3 million

Gross Domestic Product*

USD 87.2 billion USD 7 657 per capita

Country Telephone Code

*Source: LINdata 2017

Air Transport Statistics

International Airports

Domestic Airports

International **Passenger Traffic**

9.9 million passengers

International Cargo Traffic

22 457 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The Cuban state in the current environment maintains its work before the growing number of visitors who want to experience the charms of the country.
- The Cuban government remains committed to improving its transportation systems, especially in ports and airports, in order to provide tourists and business travelers with the quality and variety of services they deserve.
- We pay special attention to air transport as a fast and safe access to the country, with development strategies based on the implementation of international standards and customer satisfaction.

Did You Know... Travel and Tourism

Cuba is culture, nature, history, magic and traditions. The largest of the Antilles is the result of the mixture of multiple cultures, mergers of races and customs that gave rise to one of the Caribbean's especially unique and fascinating destinations. Natural landscapes, sunny beaches, warm climate, citizen security, history and culture, and human warmth of Cubans make the island a favorite.







14 March 2019 - Deposit of instrument of ratification of the Chicago Convention



Facts and Figures

Capital

Roseau

Official Languages

English

Currency

East Caribbean Dollar

Area

750 km²

Population

71 200

Gross Domestic Product*

USD 496.7 million USD 6720 per capita

Country Telephone Code

767

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

122 694 passengers

International Cargo Traffic

214 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Proposed plans to build new international airport as well as a seaport facility to accommodate cruise and cargo activities.
- Newly constructed 5-star hotels with funds obtained from the citizens via the Investment Programme.
- Within the next two years, provide the island with 100 percent renewable electric power utilizing geothermal energy.

Did You Know... Travel and Tourism

The island Dominica is commonly known in the Caribbean as The Nature Island. Dominica possesses a wealth of ecological attractions, including tropical forests, mountains, beaches, rivers, lakes, and cascading waterfalls, among many other natural attributes. The country is home to the indigenous people of the Caribbean - the Kalinago - as well as a rich colonial historical heritage.





DOMINICAN REPUBLIC

Relationship with ** ICAO



25 January 1946 - Deposit of instrument of ratification of the Chicago Convention



Facts and Figures

Capital

Santo Domingo

Official Languages

Spanish

Currency

Dominican Peso

Area

48,670 km²

Population

10.7 million

Gross Domestic Product*

USD 75.9 billion USD 7 052 per capita

Country Telephone Code

1-809, 1-829, 1-849

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

13.8 million passengers

International Cargo Traffic

144 223 metric tonnes

National Airlines with International Services

Foreign Airlines

393

Looking to the Future

- The Dominican Republic Civil Aviation Authority is working toward:
 - 1. Continuous Improvement of Safety: Strengthen the State's capacity to manage risks associated with aviation to an acceptable level.
 - Certification of Ground Handling Services Providers.
 - Promote a positive Safety Culture.
 - PBN, ATFM, CDM and ATS Inter-facility Data Communication (AIDC) implementation.
 - 2. Legal Compliance: Identify, update and comply with applicable national and international standards.
 - Legal protection for safety-related information.
 - Promote sustainable development and improve the environmental performance of aviation.
 - 3. Institutional Excellence/Internal Control: Ensure the integrity and reliability of the institutional management results.
 - Improve the quality of products and services through customer orientation and commitment to the institution.
 - Support NGAP initiatives thru Academia Superior de Ciencias Aeronauticas (ASCA) as an ICAO Regional Training Centre of Excellence.
 - Promote Planning and Control Culture.

Did You Know... Travel and Tourism

The Dominican Republic is one of the most visited of the Caribbean destinations. Though known for its pristine beaches, all-inclusive resorts and golfing, it has a varied terrain comprising rainforest, savannah and highlands, and such destinations as Punta Cana. With Spanish colonial history, merengue as its official music and its warm and hospitable people, it is a country like no other.

DAC





EL SALVADOR

Relationship with



11 June 1947 – Deposit of instrument of ratification of the Chicago Convention

▼ San Oscar Arnulfo Romero y Galdamez Airport





▲ Conchagua volcano above sandy beaches

State Facts and Figures

Capital

San Salvador

Official Languages

Spanish

Currency

Colón/U.S. Dollar

Area

21 041 km²

Population

6.6 million

Gross Domestic Product*

USD 24.8 billion USD 3889 per capita

Country Telephone Code

503

*Source: World Bank 2017

AirTransport Statistics

International Airports

2

Domestic Airports

17

International Passenger Traffic

1.9 million passengers

International Cargo Traffic

28 204 metric tonnes

National Airlines with International Services

1

Foreign Airlines

19

Looking to the Future

- The Salvadorian Civil Aviation Authority (CAA) contributes to economic progress by encouraging the development of civil aviation through the implementation of national and international standards. This ensures safety and security, and is made possible due to a committed and experienced team, focused on customer service and continuous improvement.
- ♠ At the same time, the Government focuses its efforts on consolidating the aviation industry as one of the biggest value generators, added to the service sector, and as an employment generator for the Salvadoran economy - taking advantage of its geographical location, skilled human capital, Aeronautic Training Centers, the development of logistics areas, and modernization of the Air Navigation System to ensure public security and operational safety.
- ◆ El Salvador has one of the largest Maintenance, Repair, and Overhaul (MRO) facilities in Latin America. It is constantly growing and demonstrating that the quality of its services makes it a firstclass repair centre.

Did You Know... Travel and Tourism

El Salvador, with tropical weather and good communication routes, has the advantage of the proximity of its attractions: tourists can have breakfast at their hotel, climb a volcano in the morning, have lunch at a mountain cabin, visit an archaeological site in the afternoon, appreciate a beautiful sunset on the beach and return to the city to enjoy the nightlife.





GRENADA

Relationship with W ICAO



31 August 1981 – Notification of adherence to the Chicago Convention

▼ World Famous Grand Anse Beach





▲ Maurice Bishop International Airport

State Facts and Figures

Capital

St. George's

Official Languages

English

Currency

East Caribbean Dollar

Area

344 km²

Population

108 580

Gross Domestic Product*

USD 1.1 billion USD 10 376 per capita

Country Telephone Code

473

*Source: World Bank 2017

AirTransport Statistics

International Airports

1

Domestic Airports

N/A

International Passenger Traffic

433 367 passengers

International Cargo Traffic

3 016 metric tonnes

National Airlines with International Services

0

Foreign Airlines

12

Looking to the Future

- Pure Grenada, the Spice of the Caribbean, achieved a historic milestone in 2018, welcoming more than half a million visitors to the destination's shores. Spread across key niche markets, the combined cruise, yachting and stay-over arrivals for 2018 was 528,077, representing a 12.90 percent increase over 2017.
- For the second straight year, Grenada, Carriacou and Petite Martinique was named a Top-Rated Southern Caribbean Cruise Destination in Cruise Critic's third annual Cruisers' Choice Destination Awards. Pure Grenada continues to undertake initiatives aimed at continued double-digit growth in passenger arrivals year on year.
- The Maurice Bishop International Airport has the following upgrade projects planned to support the growth in passenger arrivals:
 - 1) Resurfacing of the runway system and replacing runway lighting with renewable energy alternatives
 - 2) Implementation of new Air Traffic Management System
 - 3) Passenger Terminal retrofitting
 - 4) Construction of a purpose-built Cargo Facility
 - 5) Construction of an Airport Hotel

Did You Know... Travel and Tourism

One of our most popular snorkeling sites is an underwater gallery of sculptures, in our Molinere Beauséjour Marine Protected Area, that very much reflect Grenada's culture. Fashioned from a variety of media but predominantly from simple substrates including concrete and rebar, they create an ideal substrate, relatively fixed and permanent, on which marine life may develop.







28 April 1947 - Deposit of instrument of ratification of the Chicago Convention



Facts and Figures

Capital

Guatemala City

Official Languages

Spanish

Currency

Quetzal

Area

108 889 km²

Population

15.8 million

Gross Domestic Product*

USD 75.6 billion USD 4471 per capita

Country Telephone Code

502

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International Passenger Traffic

1.1 million passengers

International Cargo Traffic

124 564 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Guatemala is both modern and colonial.
 - Guatemala City is the most flourishing city in Central America, with its modern buildings and business centres. It is also one of the most modern, boldest and cosmopolitan cities. The ideal setting for conferences and conventions, it offers renowned golf courses, medical centres equipped with the latest technologies, and world-class shopping centres, among other features.
 - In contrast is La Antiqua Guatemala, a colonial and romantic city, with a combination of ancient colonial architecture and deep-seated customs and traditions. When visiting, the historic centre of the city is a must. With more than 200 years of existence, its cathedral, iconic buildings, churches, and museums are a true testament to the country's historic evolution.
 - The neighbourhood of "Zona Viva" is one of the city's top entertainment hubs, with exclusive hotels and restaurants.

Did You Know... Travel and Tourism

The name Guatemala means 'Land of the Trees' in the Maya-Toltec language. A fun fact, some people believe that the name Guatemala is derived from the word Guhatezmalh, which means "Mountain that vomits water".





Relationship with



25 March 1948 - Deposit of instrument of ratification of the Chicago Convention

▼ Cathédrale Saint-Charles-Borrome de Gonaives





▲ Les Cayes Botanical Garden

* As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Port-au-Prince

Official Languages

French, Creole

Currency

Gourde

Area

27 500 km²

Population

10.6 million

Gross Domestic Product*

USD 8.4 billion USD 766 per capita

Country Telephone Code

Air Transport Statistics

International Airports

Domestic Airports

International **Passenger Traffic**

1.3 million passengers

International Cargo Traffic

7 717 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Decause Haiti is a small island in the middle of the Caribbean Sea with a strong potential for tourism, air transport is considered a unique tool to sustain connectivity and enhance economic development.
- Aviation is also recognized as a strong contributor to the reduction of poverty in small economies. In this regard, Haiti is looking forward to focusing on an efficient national aviation infrastructure to improve air transport performance within a pro-growth perspective, with a view to boost productivity, create more business opportunities and promote tourism and business trade. Capacity building requires a sound institutional framework and unequivocal political commitment to foster an adequate evolution of the aviation system.
- To prepare for tomorrow, the country pursues the following strategic objectives:
 - Compliance with international standards
 - Implementation of adequate regulations
 - Oversight capacity of the aviation system
 - •Safe and efficient air traffic management
 - Protection of the environment

Did You Know... Travel and Tourism

Although the earthquake of January 2010 destroyed much of the Haitian capital and a number of tourist attractions, Haiti remains a 'must visit' country with its various monuments related to the war of independence of 1804. Moreover, blessed with year-round sunshine, and the beauty of its landscape and beaches, visitors and business travellers still find it a most heart-warming destination.





HONDURAS

Relationship with ** ICAO



7 May 1953 - Deposit of instrument of ratification of the Chicago Convention

▼ The Bay Islands





▲ Copan Ruins

Facts and Figures

Capital

Tegucigalpa

Official Languages

Spanish

Currency

Lempira

Area

112 492 km²

Population

9.5 million

Gross Domestic Product*

USD 23 billion USD 2480 per capita

Country Telephone Code

504

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International Passenger Traffic

1.8 million passengers

International Cargo Traffic

40 425 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The aeronautical sector in Honduras has been enhanced with operational safety requirements, as well as the development of new airfields that will significantly improve the overall strategic positioning and promotion of Honduran civil aviation. In addition, new air corridors are being established to serve as bridges between the Atlantic and Pacific Oceans, with the objective of creating a more integrated and dynamic route structure designed to boost economic growth throughout the country.
- The Government of Honduras has also linked the development of tourism to the aeronautical sector, raising it to the status of State policy. The resulting synergy will strengthen our ability to showcase before the world our natural outdoor beauty, refined gastronomy, age-old culture and the warmth of our people. Our aim is to respond more effectively to domestic and international demand for quality tourism products and services.

Did You Know... Travel and Tourism

Honduras is blessed with an extensive variety of natural and cultural resources, including some 250 km of Caribbean beaches located in Tela, Trujillo and La Ceiba, as well as the Bay Islands nestled among the second largest coral reef in the world and the largest on the American continent. The Copan Ruins have been designated by UNESCO as a world heritage site of Mayan culture.





JAMAICA

Relationship with ** ICAO



26 March 1963 - Notification of adherence to the Chicago Convention

▼ Dunn's River Falls





Air traffic control tower - Sangster Airport

Facts and Figures

Capital

Kingston

Official Languages

English

Currency

Jamaican Dollar

Area

10 990 km²

Population

2.89 million

Gross Domestic Product*

USD 14.8 billion USD 5 110 per capita

Country Telephone Code

876

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

5 779 236 passengers

International Cargo Traffic

17 742 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- In 2018, Jamaica executed a number of multi-billion dollar projects, which have transformed Jamaica's air navigation services environment and the industry's safety, capacity, and efficiency.
 - Upgrades include new radar and Air Traffic Services (ATS) automation systems, state-of-the-art Air Traffic Control (ATC) Towers, a new IP-based Voice Communications and Control System (VCCS), the establishment of an Air Traffic Flow Management system, and complementary Instrument Landing Systems at the island's main international airports.
 - The enhancements continue to spur the growth of the air transport and tourism sectors, with new air services agreements and new routes with air operators from South America, Asia and Europe.
- In line with global environmental sustainability efforts, Jamaica spearheaded the implementation of the ICAO/UNDP/GEF Solarat-Gate Electrification project to reduce emissions at our airports. The system includes solar-powered solutions for aircraft parked at gates and the installation of 327 solar panels, capable of producing 100kw of clean electricity.

Did You Know... Travel and Tourism

Crystalline waters, sun-drenched beaches, lush rainforests and award-winning hospitality. Jamaica was named the World's Leading Beach Destination and Cruise Destination in 2018 (World Travel Awards). The diverse natural environment provided Ian Fleming the inspiration to write the legendary James Bond series. Visit Jamaica for the ultimate relaxation and unique cultural and natural attractions.







25 June 1946 - Deposit of instrument of ratification of the Chicago Convention

▼ Archaeological zone of Tulum





▲ Chile en nogada

Facts and Figures

Capital

Mexico

Official Languages

Spanish

Currency

Mexican Peso

Area

1 964 375 km²

Population

119.9 million

Gross Domestic Product*

USD 1.1 trillion USD 8 903 per capita

Country Telephone Code

Air Transport **Statistics**

International Airports

Domestic Airports

International Passenger Traffic

45.1 million passengers

International Cargo Traffic

649 780 metric tonnes

National Airlines with International Services

Foreign Airlines

79

Looking to the Future

- The aerospace industry observed a significant growth over the past decade; exports grew at an average annual rate of 11.2%. Queretaro's Aerospace cluster is the most relevant development of this industry, consisting of 1 International Airport, 30 manufacturing industries, 5 research and development centers, 5 service companies and 2 educational institutions, including 1 University, generating 4,800 direct jobs, with an accumulated investment of 2,428 million dollars, considering it to be the 4th most important destination in the world for the aeronautical industry.
- Currently, Mexico ranks sixth in international tourist reception, registering 39.3 million of international tourists, being considered a very attractive country for its natural and cultural diversity, with 34 sites registered in the list of UNESCO World Heritage, 6 of them are natural, 27 are cultural and 1 mixed, in addition Mexico has 9 traditions and festivities recognized as Intangible cultural heritage, besides the hospitality and warmth of its people make the Mexico a wonderful and unforgettable experience.

Did You Know... Travel and Tourism

In 2010, the traditional Mexican cuisine was recognized by UNESCO as an Intangible Cultural Heritage of Humanity. The richness and cultural diversity of Mexico is represented through the variety of flavors, smells and colors of its gastronomy, being considered as fundamental element of national identity due to its history, creativity and transcendence ¡Come to Mexico to enjoy traditional food!





NICARAGUA

Relationship with ** ICAO



28 December 1945 - Deposit of instrument of ratification of the Chicago Convention

▼ Masaya Volcano (lava lake)





▲ Radar Complex Inauguration / 2018

Facts and Figures

Capital

Managua

Official Languages

Spanish

Currency

Cordoba

Area

130 700 km²

Population

6 million

Gross Domestic Product*

USD 13.8 billion USD 2 222 per capita

Country Telephone Code

505

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

1.5 million passengers

International Cargo Traffic

30 842 metric tonnes

National Airlines with International Services

Foreign Airlines

13

Looking to the Future

- The State of Nicaragua is always thinking about the promotion and development of the air and tourist transport sector, guaranteeing the safety and protection of civil aviation.
- Nicaragua guarantees air and land connectivity to and from the main tourist destinations in the country, through the construction of new, modern and wide roads that connect the Pacific Region with the Caribbean Region.
- Nicaragua has reformed Law 595, General Civil Aeronautics Law, which establishes the separation of the Authority Responsible for the Investigation of Accidents and Aviation Incidents (ANIA).
- Nicaragua is a member and coordinator of the implementation of the Regional Aviation Accident Investigation Group (GRIAA) for the Central America Region.
- Nicaragua guarantees operational safety, implementing new technologies in Primary and Secondary Mode-S Surveillance Radars and ATC Centers.
- Nicaragua manages training for aeronautical technical personnel, with its human capital being the largest fixed asset.

Did You Know... Travel and Tourism

Nicaragua is known as the Land of Lakes and Volcanoes. It has 10 volcanoes (7 active and 3 inactive), two natural lakes (Cocibolca and Xolotlan), three lakes that were originally craters (Tiscapa, Apoyo y Asososca), and one artificial lake (Apanas).





SAINT KITTS & NEVIS*

Relationship with ** ICAO



21 May 2002 - Notification of adherence to the Chicago Convention



^{*} As this publication went to press, updated information from the State had not yet reached the Publisher. Material from the previous edition of ICAO STATES TODAY was used instead.

Facts and Figures

Capital

Basseterre

Official Languages

English

Currency

East Caribbean Dollar

Area

260 km²

Population

53 584

Gross Domestic Product*

USD 945.8 million USD 17 090 per capita

Country Telephone Code

1-869

Air Transport **Statistics**

International Airports

Domestic Airports

N/A

International **Passenger Traffic**

312 810 passengers

International Cargo Traffic

National Airlines with International Services

N/A

Foreign Airlines

Looking to the Future

As a lifestyle destination, appealing to persons with varied interests, St. Kitts-Nevis continues to invest in our tourism plan which is the main engine of growth in our economy. The expansion and enhancement of our cruise facility, building human capacity, creation of a wider variety of our tour offering and expansion of our hotel facilities are but a few of the steps taken to prepare our Federation for the anticipated growth in the tourism sector.

Did You Know... Travel and Tourism

The largest cruise ship can dock at our cruise facility. You can also fly non-stop from major U.S. cities to St. Kitts (MIA, JFK, EWR, CLT, ATL) and London. St. Kitts-Nevis is home to a World Heritage Site, Brimstone Hill Fortress National Park, and the only operating railway system in the Caribbean, St. Kitts Scenic Railway. The smallest independent nation in the western hemisphere awaits. you.





SAINT LUCIA

Relationship with ** ICAO



20 November 1979 - Notification of adherence to the Chicago Convention

▼ World Heritage Site: Majestic Twin-Pitons





▲ Hewanorra International Airport

Facts and Figures

Capital

Castries

Official Languages

English

Currency

East Caribbean Dollar

Area

616 km²

Population

179 667

Gross Domestic Product*

USD 1.7 billion USD 9 574 per capita

Country Telephone Code

1-758

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

1.1 million passengers

International Cargo Traffic

3 044 metric tonnes

National Airlines with International Services

Foreign Airlines

14

Looking to the Future

- The Government of Saint Lucia, through the Saint Lucia Air and Sea Port Authority (SLASPA), is investing US\$175 million to secure Saint Lucia's position as an aviation leader in the Caribbean through the redevelopment of the Hewanorra International Airport (HIA).
 - The Hewanorra International Airport, a major component of Saint Lucia's tourism product, will feature a new state-of-the-art facility which is geared toward completely transforming and modernizing the customer experience.
 - The 30-month project is expected to be completed by 2021 and will serve the nation well over 30 years.
 - The new HIA is expected to complement future tourism-related developments.

Did You Know... Travel and Tourism

Saint Lucia is a 10-time award-winning and world-renowned Honeymoon Destination. Spectacular views of the iconic Pitons and Caribbean Sea, lush rain forests, therapeutic hot springs from the world's only drive-in volcano, the Sulphur Springs, and chalky white sands create a breathtaking scenery of natural beauty, peace and tranquillity-idyllic for romance, leisure, exploration and rejuvenation.





SAINT VINCENT AND THE GRENADINES*

Relationship with ** ICAO



15 November 1983 - Notification of adherence to the Chicago Convention

▼ New hotel facility on St Vincent





▲ Terminal Building of the new airport

Facts and Figures

Capital

Kingstown

Official Languages

English

Currency

East Caribbean Dollar

Area

390 km²

Population

109 373

Gross Domestic Product*

USD 789.6 million USD 7185 per capita

Country Telephone Code

784

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

N/A

International Cargo Traffic

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Focus on improving aviation safety and security, in support of tourism development.
- Ocontinue to upgrade and modernize the air transport infrastructure.
- Upgrade and modernize air navigation services and infrastructure; this has started with the development and retraining of all air traffic management personnel in various areas, including understanding Performance Based Navigation.
- Further the upgrade of air navigation services with the implementation of RNAV systems, for arrival and departure procedures at the new airport.
- Open the new international airport at Argyle and transfer operations from the E. T. Joshua Airport, providing direct access to St. Vincent for intercontinental commercial flights.

Did You Know... Travel and Tourism

St. Vincent and the Grenadines (SVG) is a multi-island Caribbean paradise for yachting, scuba diving, enjoying nature, and relaxing in luxurious hideaways. It was originally called Hairouna by the Carib Indians, who inhabited the islands until the 18th century. SVG has won several international awards, including Lonely Planets' top 10 islands and beaches in 2014.

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TRINIDAD AND TOBAGO

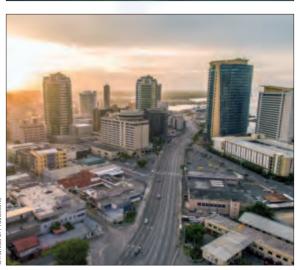
Relationship with ** ICAO



14 March 1963 - Notification of adherence to the Chicago Convention

▼ TTCAA's Complex, Carnival & the Tobago Airport





▲ Port of Spain, Capital of Trinidad and Tobago

Facts and Figures

Capital

Port of Spain

Official Languages

English

Currency

Trinidad and Tobago Dollar

Area

5 130 km²

Population

1.36 million

Gross Domestic Product*

USD 22.1 billion USD 16145 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

2.04 million passengers

International Cargo Traffic

28 258 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- With an explosion of colours, music, revelry and creativity, Trinidad and Tobago's Carnival is the greatest show on earth. During the Carnival period, Trinidad and Tobago experiences a significant spike in economic activity. It is one of the highest tourism periods, attracting more than 40 000 visitors annually and generating an estimated USD 18 million in revenues.
- High passenger traffic is experienced during the Carnival season, resulting in increased flights in the Piarco FIR. Because the FIR is a major crossing point for most airlines on east/west and north/south routes, a higher number of movements is also associated with major global events.
- To meet the demand, Trinidad and Tobago has been investing heavily in equipment, technology and the training of personnel for the development of air navigation plans that reduce operational unit costs, facilitate increased traffic and optimize the use of existing and emerging technologies. With these investments, Trinidad and Tobago is expanding its focus on the long-term efficiency and sustainability of civil aviation.

Did You Know... Travel and Tourism

Trinidad and Tobago, a twin island republic with one of the richest and most diverse cultures in the world, are the southernmost islands in the Caribbean. Trinidad is the business capital of the region, owing to its natural hydrocarbon reserves, and attracts more than two million visitors annually. Tobago concentrates on tourism, with some 75 000 visitors a year.





UNITED STATES

Relationship with ** ICAO



9 August 1946 - Deposit of instrument of ratification of the Chicago Convention

▼ Drone Delivery Demonstration 2018





Aircraft multifunction control display unit

Facts and Figures

Capital

Washington DC

Official Languages

English

Currency

U.S. Dollar

Area

9 826 675 km²

Population

326 million

Gross Domestic Product*

USD 19.4 trillion USD 59 532 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

19 601

International **Passenger Traffic**

233.6 million passengers

International Cargo Traffic

10.2 million metric tonnes

National Airlines with International Services

Foreign Airlines

130

Looking to the Future

- The US Department of Transportation's Federal Aviation Administration (FAA) continues to set the standard in safety, efficiency and environmental sustainability across the globe.
- The FAA mirrors ICAO's open and transparent information-sharing approach to managing risk. Our safety management principles address emerging risk by using data-informed approaches to make risk-based decisions.
- We embrace a regulatory framework that can nimbly respond to innovation. We are integrating new airspace entries from commercial space vehicles, to pilotless aircraft, to a renewed look at supersonic jets. We deployed LAANC to provide near real-time processing of UAS authorizations in controlled airspace from a smartphone or computer.
- The FAA works with industry to prioritize modernization to benefit airlines, passengers and businesses. New automation systems and GPS satellite-based systems track aircraft in real time, improving situational awareness. We deployed Data Communications technology nationwide and use PBN to create more direct flight routes that save time and emissions.

Did You Know... Travel and Tourism

Every day, the FAA provides service to more than 43,000 flights and 2.6 million airline passengers across more than 29 million square miles of airspace.

Civil aviation contributes USD 1.6 trillion annually to the U.S. economy, supports nearly 11 million jobs, and constitutes 5.1 per cent of the nation's gross national product.









SOUTH AMERICA



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Member States – 13

- Argentina
- Bolivia
 (Plurinational State of)
- Brazil
- Chile
- Colombia
- Ecuador
- Guyana

- Panama
- Paraguay
- Peru
- Suriname
- Uruguay
- Venezuela
 (Poliverion Benub

(Bolivarian Republic of)





ARGENTINA

Relationship with ** ICAO



4 June 1946 - Notification of adherence to the Chicago Convention

▼ Jorge Newbery Airport Airfield





▲ Ushuaia International Airport

Facts and Figures

Capital

Buenos Aires

Official Languages

Spanish

Currency

Argentine Peso

Area

2 780 400 km²

Population

40 million

Gross Domestic Product*

USD 637.6 billion USD 14 402 per capita

Country Telephone Code

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

15 million passengers

International Cargo Traffic

232 933 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Argentina is working on promotion of its air transport industry, with special emphasis on safety standards, as a means of strengthening national and regional bonds. The Ministry of Transport, through the National Civil Aviation Administration, is implementing a plan – Aircraft Revolution – that features new routes and more frequent flights to improve the number and range of connections at the domestic and international levels. Argentina currently has 150 domestic connections and 128 international connections. The plan includes modernization of infrastructure in airports, new air navigation technology and equipment for logistic operations to improve civil aviation.
- The future of air transport in Argentina is enormously promising. The Ministry of Transport is making a transformation: flying is more accessible to all, fulfilling the dream of flying to thousands of people who did not have the opportunity before. Now Argentina offers cheaper flights, shorter waiting times between connections, more punctuality, modern airports, more and better connectivity.

Did You Know... Travel and Tourism

The low-cost modality revolutionized commercial aviation and represents no less than 27 percent of seats offered in the world and 35 percent in Latin America. With El Palomar, the country has an exclusive low-cost airport. Since its inauguration, more than 800,000 passengers passed, of which 150,000 flew for the first time. Two airlines operate to 15 domestic and international destinations.





BOLIVIA (PLURINATIONAL STATE OF)

Relationship with



4 April 1947 – Deposit of instrument of ratification of the Chicago Convention

▼ Tiwanaku, UNESCO World Heritage Site





State Facts and Figures

Capital

Sucre

Official Languages

Spanish + 36 native languages

Currency

Boliviano

Area

1 098 581 km²

Population

11.05 million

Gross Domestic Product*

USD 37.5 billion USD 3394 per capita

Country Telephone Code

591

*Source: World Bank 2017

Air Transport Statistics

International Airports

3

Domestic Airports

12

International Passenger Traffic

1.3 million passengers

International Cargo Traffic

5 789 metric tonnes

National Airlines with International Services

3

Foreign Airlines

14

Looking to the Future

- The Civil Aviation National Institute (INAC) is considered as the most modern Center for Civil Aviation Instruction in Bolivia, with an infrastructure according to the highest standards established by ICAO, modern equipment suitable for different careers, as well as highly qualified personnel, recognized for their experience and high degree of professionalism.
- ➡ By the beginning of 2020 the first Civil Aeronautics University will start operating in Cochabamba. This future university will be raised from the current Civil Aviation National Institute, which has been operating for 42 years. At the beginning, the new university will offer three curricula: Bachelor of Aeronautical Sciences, Bachelor of Aeronautical Maintenance and Bachelor of Air Traffic.
- The accelerated growing of aviation at a world level demands every day more and more professionals. In this way we will encourage young people, leveling aeronautical careers at the same academic degree as other professions.

Did You Know... Travel and Tourism

There is a strange and very ancient city in the Andean Mountains near Lake Titicaca, a place of mystery, a ruin site full of relics of unknown origin and of unknown age. Tiahuanaco is a city from our distant past, but no one seems to know just how distant. Archeologists tell us the ruins are full of controversy, difficult to date and even harder to explain.







8 July 1946 – Deposit of instrument of ratification of the Chicago Convention



State Facts and Figures

Capital

Brasília

Official Languages

Portuguese

Currency

Real

Area

8 515 767 million km²

Population

208 million

Gross Domestic Product*

USD 2 trillion USD 9 821 per capita

Country Telephone Code

55

*Source: World Bank 2017

Air Transport Statistics

International Airports

43

Domestic Airports

579

International Passenger Traffic

21.4 million passengers

International Cargo Traffic

709 424 metric tonnes

National Airlines with International Services

5

Foreign Airlines

60

Looking to the Future

- Being the 3rd largest civil aviation market in the world, Brazil hosted the 4th ICAO World Aviation Forum, with the theme: "Promoting Investment for Aviation Development." The country iss committed to promoting strategies for aviation growth with the exploration of aviation investment opportunities.
- ☼ Committed to ICAO's "No Country Left Behind" initiative, Brazil signed a Memorandum of Understanding with ICAO to establish future Technical Cooperation with other developing countries, notably Latin American and Portuguese-speaking countries. One of the initiatives is the translation by the Brazilian Civil Aviation Authority (ANAC) of the ICAO documentation for the Portuguese language.
- In recent years, tourism in Brazil has been experiencing considerable increases. To meet growing demand, both internal and external, and to meet the flow of spectators of major world events hosted by the country (World Cup in 2014 and Summer Olympics in 2016), Brazil has promoted the reform of many of its international airports.

Did You Know... Travel and Tourism

Brazil is the 5^{th} largest country in the world in territorial extension and the 5^{th} largest population in the world. It has the largest biodiversity of the planet, the second largest forest area and receives more than 7 million tourists per year.

Brazil flies into the future



The Brazilian airline industry has gone through several changes over the past three decades. Since the 1990s a process of deregulation has ended a series of government-imposed restrictions on fares, routes, schedules, foreign ownership, and aircraft capacity. Alongside the airport concessions programme and other public policies implemented to improve airport and ATC infrastructure, deregulation has bolstered the growth of both domestic and international routes, to and from Brazil.

Liberalization of domestic air fares in 2001 has since been arguably considered the linchpin of the increase from 31 million passengers transported in that year on domestic flights to 93.6 million passengers in 2018 – a 201 percent increase in less than two decades. Ultimately that meant air travel became more accessible to Brazilians who previously had to rely on buses to cover long distances in a country with continental proportions.

Likewise, passengers on international flights grew from 10.8 million in 2006 to 24.1 million in 2018 according to the National Civil Aviation Agency (ANAC) – the result of an "open skies" policy that has guided the negotiation of over 70 air service agreements since 2006.

In 2011 the concession of the São Gonçalo do Amarante International Airport (NAT) to a private company represented a turning point for airport governance in Brazil. It was followed by the concession of some of Brazil's largest airports such as São Paulo International Airport/Guarulhos, Brasília International Airport/Galeão, along with 19 other important Brazilian airports. In 2020 another 22 airports are expected to be conceded to the private sector, including airports in state capitals such as Curitiba, Manaus, and Goiânia. Airports like São Paulo/Congonhas and Rio de Janeiro/Santos Dumont will be auctioned in 2022.

Investments in airport infrastructure are key to meet the future air travel demand. From 2011 to 2018 a total of US\$ 5.04 billion was invested on those first 12 privately managed airports. Overall, 15.8 billion dollars are expected to be invested by the private sector during the course of the airport concessions programme, fostering the growth of the Brazilian airline industry for the decades to come.

To cope with this increase in airport capacity and a growing demand for air travel, investments must also be made in airlines. That is why in 2019 Brazil became one of the largest countries to allow airlines to be fully owned and run by foreign nationals, with absolutely no differences in regulation when compared to airlines owned by Brazilian nationals. The Brazilian airline industry is open to investors who perceive its potential, regardless of nationality.

As Brazil's airline industry takes off with more modern, efficient rules and policies that will generate business opportunities and jobs, the course is also set to the future when it comes to environmentally friendly initiatives over the next years. Those are the mainstays of a sustainable and prosper future for aviation in Brazil.



🖰 Iguazu Falls: Zig Ko

Capacity-building initiatives

To enhance safety, security, the quality of air services, passenger facilitation, access to remote regions, and environmental protection, Brazil is calling upon ICAO's Technical Cooperation Programme to support the development of its technical capabilities. Access to knowledge, information, experience, and practices related to aviation capacity-building initiatives will improve the planning, management, and operation of airports in Brazil and strengthen its air transport industry. Innovative solutions are of utmost importance to boost economic development and respond to a growing demand for air transport.





CHILE

Relationship with W ICAO



11 March 1947 - Deposit of instrument of ratification of the Chicago Convention

▼ Carriel Sur Airport, Talcahuano





▲ Members of DGCA

Facts and Figures

Capital

Santiago

Official Languages

Spanish

Currency

Chilean Peso

Area

2 006 096 km²

Population

18.4 million

Gross Domestic Product*

USD 277 billion USD 15 346 per capita

Country Telephone Code

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

10.7 million passengers

International Cargo Traffic

327 918 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Chile has an extensive airport network: 344 aerodromes, 102 heliports and 7 airports, from Arica to Antarctica, including island territories. Important projects and airport infrastructure improvements make it possible to meet the continuous growth of the aviation industry.
- Chile is internationally known for adventure tourism activities and wonderful landscapes, such as the Moon Valley in San Pedro de Atacama, Torres del Paine Park in Punta Arenas and the mythical Easter Island. International airports serve all off these destinations.
- Nearly 30 international airlines operate in Chile, offering multiple connections to main destinations around the world, whether by nonstop, direct or connecting flights to and from major cities in Latin America.
- In April 2015, the DGAC published the aeronautical regulation DAN 151 to regulate the operation of drones on poached areas. The regulation, considered a pioneer in Latin America, points to the regulation of the operator's credential, the certificate of registration of the drone and the authorization of the flight.

Did You Know... Travel and Tourism

The Civil Aviation Authority of Chile (DGAC) is responsible for the management and control of one of the largest airspaces in the world, covering up to 31.9 million km² and three continents -South America, Oceania and Antarctica.





COLOMBIA

Relationship with ** ICAO



31 October 1947 - Deposit of instrument of ratification of the Chicago Convention

▼ Bucaramanga Airport's Control Tower





▲ El Dorado International Airport

Facts and Figures

Capital

Bogotá

Official Languages

Spanish

Currency

Colombian Peso

Area

1 141 748 km²

Population

45.5 million

Gross Domestic Product*

USD 309.2 billion USD 6 302 per capita

Country Telephone Code

Air Transport **Statistics**

International Airports

Domestic Airports

234

International **Passenger Traffic**

13.8 million passengers

International Cargo Traffic

665 138 metric tonnes

National Airlines with International Services

Foreign Airlines

53

Looking to the Future

- For the 2018-2022 period, Colombia will invest approximately USD 1.15 Billion to support the needs of 69 airports. This investment includes maintenance and improvement in airport infrastructure and air traffic services.
- The UAEAC (Unidad Administrativa Especial de Aeronáutica Civil) has an investment project specifically to improve Air Navigation Services. The project is based on implementation of a new operational concept of airspace for Colombia through technology, seeking to improve the levels of operational safety, ATM capacity and operational efficiency with high levels of performance, with local, regional and cross-border scope, globally harmonized.
- Colombia is recognized at the regional level as one of the countries with the highest growth projection for the next 20 years, with a projected average rate of 5.4 percent per year (according to Airports Council International). Colombia has the challenge of envisioning the mobilization of 100 million passengers and doubling cargo transportation by 2030; this is supported in the development of solid and stable planning instruments such as the Aeronautical Strategic 2030 Plan, which is fully aligned with the objectives of the ICAO Strategic Plan for the Sustainability of Air Transport in the South American Region.

Did You Know... Travel and Tourism

- At the 2019 F-AIR airshow, Colombia commemorated 100 years of civil commercial aviation.
- To improve its competitiveness and air connectivity, Colombia has 60 bilateral agreements, making its air policy more flexible and generating better access conditions to the market, which translates into the mobilization of 37.8 million passengers during 2018 (6.1 percent more than in 2017).





ECUADOR

Relationship with ** ICAO



20 August 1954 - Deposit of instrument of ratification of the Chicago Convention

▼ Sprouting of Guayacanes at Loja





▲ Whale watching at Puerto López

Facts and Figures

Capital

Quito

Official Languages

Spanish

Currency

US Dollar

Area

248 360 km²

Population

14.48 million

Gross Domestic Product*

USD 103 billion USD 6 199 per capita

Country Telephone Code

593

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

4.3 million passengers

International Cargo Traffic

255 248 metric tonnes

National Airlines with International Services

Foreign Airlines

50

Looking to the Future

- Common Ecuador has a modern and inclusive airport infrastructure, radar coverage of 95 percent of airspace and operational control of 100 percent of aircraft, thanks to its 7 radar antennas located in Manta, Guayaquil, Shell, Quito (2), Cuenca and San Cristobal.
- At the beginning of 2019, Ecuador implemented the "Incentive plan for new domestic and international operations for airports managed by General Directorate of Civil Aviation", which includes a discount on landing, lighting, flight protection and parking services, and rate for terminal use. In addition, there is a reduction for users in the Rate of Terminal Use for International Services at the airports of Cotopaxi and Manta. The air operators obtain a 40 percent reduction in the price of fuel at the airports managed by the State.
- Since 2017, Ecuador has implemented a "Open Skies" policy for the international airports Mariscal Sucre, Quito, José Joaquín de Olmedo, Guayaquil, Cotopaxi, Latacunga and Gral. Eloy Alfaro in Manta.

Did You Know... Travel and Tourism

Ecuador is a multiethnic and multidiverse country where you can do sport, archeological, cultural, ecological, community and agro tourism. It has four regions: Costa, Galápagos, Andes and Amazonia where you can see beautiful landscapes, enchanting beaches, magical waterfalls, imposing snow-capped volcanoes, moors, exotic jungles, friendly people and an extraordinary culinary culture.







3 February 1967 - Notification of adherence to the Chicago Convention

▼ The majestic single drop Kaietuer Falls





Facts and Figures

Capital

Georgetown

Official Languages

English

Currency

Guyanese Dollar

Area

214 970 km²

Population

747 884

Gross Domestic Product*

USD 3.7 billion USD 4725 per capita

Country Telephone Code

592

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

714 363 passengers

International Cargo Traffic

8 504 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The future of aviation in Guyana looks very promising with the impact of oil discovery in the Guyana-Suriname basin as the 2nd most under-explored oil basin in the world, transforming the economic and aviation landscape.
- The proliferation of helicopter operations to support the oil and gas industry is demanding infrastructure and regulatory expansion and development. Foreign investment has facilitated an influx of foreign residents which has in turn opened a new market segment that is dependent on regular and reliable air transportation.
- The state-of-the art ATC simulator complements the ANS infrastructure to enhance training to meet new complexities.
- The main international airport is re-engineered to accommodate larger aircraft types. Upgraded facilities will make the air travel experience more relaxing. The smaller international airport is the domestic hub linking the coast with Guyana's vast interior, and is now the center of aviation support activities for the major oil and gas corporations, tourism, mining, etc.

Did You Know... Travel and Tourism

Guyana has attracted much attention recently for the economic transformation that is about to take place, but our unspoilt natural beauty remains an eco-tourist dream. The mighty Esseguibo river that flows from the southern border into the Atlantic Ocean to the north meanders through lush rainforest dotted with waterfalls and diverse terrain for over 1000 km. This is our slice of paradise.







18 January 1960 - Notification of adherence to the Chicago Convention

▼ Panama Canal





▲ Tocumen International Airport

Facts and Figures

Capital

Panama City

Official Languages

Spanish

Currency

Balboa, US Dollar

Area

75 517 km²

Population

3.9 million

Gross Domestic Product*

USD 61.8 billion USD 15 088 per capita

Country Telephone Code

507

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

5.6 million passengers

International Cargo Traffic

117 229 metric tonnes

National Airlines with International Services

Foreign Airlines

38

Looking to the Future

- Panama executes large investments for the expansion of the Tocumen International Airport / Hub of the Americas, which will be doubled in capacity as of 2019, becoming one of the most modern airports with the largest capacity in the region.
- Panama also works on the modernization, restructuring and redesign of its airspace to meet the vertiginous growth of air traffic and is devoting significant resources in the formation of new control center controllers, as well as strengthening the surveillance systems, creating redundancies to ensure that operations are conducted with the highest safety and efficiency in compliance with international standards and recommended practices.

Did You Know... Travel and Tourism

In Panama there are four Channels between the Americas and the Atlantic and Pacific Oceans: the Interoceanic Water Channel, the International Air Hub, the Mesoamerican Biological Corridor for birds and mammals and the Fire Channel, made up of fiber optic communications cables that cross the Isthmus from ocean to ocean.





PARAGUAY

Relationship with ** ICAO



21 January 1946 - Deposit of instrument of ratification of the Chicago Convention

▼ International Airport Silvio Pettirossi





Facts and Figures

Capital

Asunción

Official Languages

Spanish and Guarani

Currency

Guaraní

Area

406 752 km²

Population

7.05 million

Gross Domestic Product*

USD 29.7 billion USD 4365 per capita

Country Telephone Code

595

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

1 253 088 passengers

International Cargo Traffic

19 637 metric tonnes

National Airlines with International Services

Foreign Airlines

10

Looking to the Future

- In 2019, the National Directorate of Civil Aviation (DINAC), is carrying out a new Modernization Plan with:
 - Comprehensive improvement of the International Airport Silvio Pettirossi's infrastructure, including extension of the north terminal for greater passenger operational fluidity and construction of a new platform for better maneuvring and aircraft parking;
 - •Structural repairs of the main runway carried out under ICAO's supervision to comply with its standards;
 - Public bidding of the new terminal with an estimated capacity of two million passengers that will be built with State funds since the Public-Private Partnership (PPP) process was canceled.
- DINAC also signed an agreement with the Korea International Cooperation Agency (KOICA) on the Project for the Strengthening of Professional Capacities and Infrastructure with an investment of 12.8 million dollars.
- The expansion of technical cooperation with the Japan International Cooperation Agency (JICA) with DINAC's Directorate of Meteorology and Hydrology is currently being studied.

Did You Know... Travel and Tourism

To enhance tourism, the granting of visas has been implemented at Silvio Pettirossi International Airport for some countries. The National Secretary of Tourism has promoted the country's various tourist destinations mainly in inner cities, focusing on cultural diversity and nature.







8 April 1946 - Deposit of instrument of ratification of the Chicago Convention

▼ Jorge Chavez International Airport





▲ Machu Picchu

Facts and Figures

Capital

Lima

Official Languages

Spanish

Currency

Sol

Area

1 285 215 km²

Population

30.8 million

Gross Domestic Product*

USD 211.4 billion USD 6572 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

11.0 million passengers

International Cargo Traffic

281 521 metric tonnes

National Airlines with International Services

Foreign Airlines

63

Looking to the Future

- Peru has maintained a sustained air traffic growth of 10.8 percent on average for the past 10 years, the highest growth in the region, a total of 24.5 million passengers transported in 2018, and estimating that it will reach 30.9 million passengers by 2021.
- Recent achievements include: more frequencies, opening of direct regional routes, the reduction of airport fees and the reactivation of the Amazon inclusion program through subsidized flights.
- The air traffic flow management system (ATFM) has been implemented, reducing aircraft holding time at Jorge Chavez International Airport in Lima and Cusco International Airport. PBN (Performance-Based Navigation) has also been implemented for airspace optimization in national territory at 100 percent.
- The most recent result from the ICAO Validation Mission (ICVM) within the USOAP framework showed an increase of more than 15 percent in compliance, evidencing the commitment of the Peruvian State.

Did You Know... Travel and Tourism

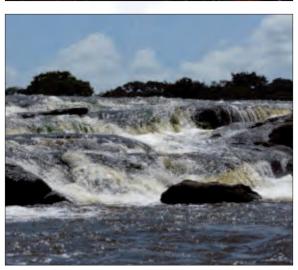
Peru is located in a strategic area of the South American Region. It maintains a stable economy with a dynamic relationship between the Authority and Industry. We pride ourselves on being the cultural and culinary capital of South America. We also have a unique tourist attraction, the city of Machu Picchu, one of the Seven Wonders of the Modern World.







5 March 1976 - Notification of adherence to the Chicago Convention



Facts and Figures

Capital

Paramaribo

Official Languages

Dutch

Currency

Surinamese Dollar

Area

163 820 km²

Population

541 638

Gross Domestic Product*

USD 3.3 billion USD 5 901 per capita

Country Telephone Code

*Source: World Bank 2017

Air Transport Statistics

International Airports

Domestic Airports

International **Passenger Traffic**

461 434 passengers

International Cargo Traffic

10 000 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- The development of tourism plays an important role in the growth of our economy.
- The diversity of people, from various parts of the world and who retained most of their original customs and habits, has given Suriname a cultural blend that is truly one of a kind in the entire world.
- Without a doubt, we offer every visitor to Suriname a unique and unforgettable experience that will entice you to come back and once again have a taste of this cultural melting pot, with a distinctive and wonderful aroma of friendliness.

Did You Know... Travel and Tourism

Suriname is known for its pristine rainforest, exotic plants and animals, wild rapids, large rivers and stunning mountainous areas in the southern part of the country. Dark creeks run through the savannas where white sandy grounds contrast intensely with green trees, while palms and huge forest giants in different sorts and colors decorate the magical panorama of the jungle.







14 January 1954 - Deposit of instrument of ratification of the Chicago Convention

▼ Carrasco International Airport





▲ Salvo Palace

Facts and Figures

Capital

Montevideo

Official Languages

Spanish

Currency

Uruguayan Peso

Area

176 000 km²

Population

3.4 million

Gross Domestic Product*

USD 56.2 billion USD 16 246 per capita

Country Telephone Code

598

*Source: World Bank 2017

Air Transport **Statistics**

International Airports

Domestic Airports

International **Passenger Traffic**

2.2 million passengers

International Cargo Traffic

26 031 metric tonnes

National Airlines with International Services

Foreign Airlines

Looking to the Future

- Uruguay is a country that develops with social inclusion. With 15 years of uninterrupted economic growth, it has the highest and best distributed income in the region. The country's growth in the last decade is associated with the increase in investment. Uruguay is the main recipient of Foreign Direct Investment (FDI) in South America in terms of GDP.
- Its National Infrastructure Plan 2015-2019 is USD 12.349 million. In civil aviation, the Government of Uruguay works to comply with the Operational Safety requirements and is determined to strengthen its civil aviation system through a Master Plan developed by ICAO, to provide a sustainable structure capable of facing the challenges of growth of air transport.
- n environmental matters, it carries out its plan to reduce CO2 emissions for civil aviation. Its main airport (Carrasco International Airport) is committed to the environment, the first airport in Latin America that generates its own energy through a photovoltaic power plant.

Did You Know... Travel and Tourism

Uruguay can be defined by how it values nature, the diversity of its landscapes and the many options it has to offer visiting tourists, all within close proximity of each other. Uruguay's constant development in infrastructure makes it easy for visitors to access digital services. The beach, the sierra, the pastures and the cities all add up to an unforgettable experience.





VENEZUELA BOLIVARIAN REPUBLIC OF)

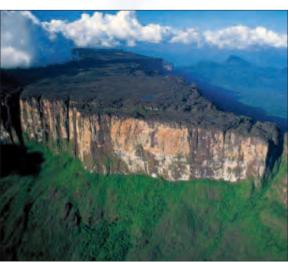
Relationship with ** ICAO



1 April 1947 – Notification of adherence to the Chicago Convention

▼ Los Rogues Archipelago





▲ Canaima National Park

Facts and Figures

Capital

Caracas

Official Languages

Spanish

Currency

Bolivar Soberano

Area

916 445 km²

Population

31.6 million

Gross Domestic Product*

USD 344.3 billion USD 11 069 per capita

Country Telephone Code

*Source: **UNdata 2017**

Air Transport **Statistics**

International Airports

Domestic Airports

36

International **Passenger Traffic**

2.46 million passengers

International Cargo Traffic

26 412 metric tonnes

National Airlines with International Services

Foreign Airlines

10

Looking to the Future

- The National Institute of Civil Aeronautics (INAC) is committed to design and implement policies focused on training of highly qualified technical personnel according to the ICAO Next Generation of Aviation Professionals (NGAP) initiative.
- Through the Venezuelan National School of Civil Aviation (IUAC). it promotes and carries out several activities nationwide, such as talks, workshops and discussions to attract young people to the civil aeronautical world. It also trains students in different areas, with stress on training of ATT, SAR, CTA and RTT Advanced Technician, University Level in Civil Aeronautics, providing them with the opportunity to join in INAC once their studies have been fulfilled. All these activities foster professionalization of the human talent into the secure and orderly development of Venezuelan civil aeronautics.

Did You Know... Travel and Tourism

Lots of destinies, one country! Majestic Roraima and Angel Falls, its amazing cable car in Mérida-Mukumbarí - the highest and largest worldwide, crystal-clear waters in Margarita Island, the "pearl of the Caribbean," and in Los Roques archipelago; forests, plains, mountains, dunes; its blend of cultures, noble history and warm, generous people ... this is Venezuela.

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Lifting Nigerian Skies to New Heights

Air Peace Limited (APL) is a Nigerian carrier offering passenger and charter services to major cities and hubs in the country, the West Coast of Africa and currently pursuing a huge expansion project as the carrier successfully launched its international operations to Dubai-Sharjah on 5 July, 2019. The airline's prospective international destinations include Johannesburg, Mumbai, London, Atlanta and Guangzhou-China.

Incorporated in 2013, the airline commenced commercial flight operations on 24 October 2014 with a fleet of seven aircrafts comprising of three (3) Dornier 328 Jets and Four (4) Boeing 737-500SPs

The carrier is primarily focused on delivering safe and seamless air travel in line with global standards. Air Peace operates from it's main hub, the General Aviation Terminal on the Murtala Muhammed International Airport (MM1) in Lagos. Loyal customers of the airline are rewarded under its frequent flyer programme. The carrier also has a rebate scheme for both serving and retiring military personnel.

Air Peace is 100 percent privately owned by Mr Allen Onyema, Chairman/Chief Executive Officer, and his family. A well known lawyer in Nigeria, Mr Onyema has been successful in real estate business and law practice since 1992 before venturing into the airline sector. His passion is to create employment opportunities for Nigerians, Africans and experts across the globe and guarantee quality and on-time flight services at affordable fares

In just three years of operations, Air Peace has grown to become the preferred airline in Nigeria, lifting more than a third of all passengers in the country in the first quarter of 2017.

The carrier received its international Air Transport Association Operational Safety Audit (IOSA) certificate in 2017 and was admitted as a member of IATA shortly Air Peace is currently pursuing a massive expansion project to increase its fleet of Boeing 737-300/500, Boeing 777 and Embraer 145 Jets to 24. Air Peace now operates the biggest fleet in Nigeria.

Air Peace is in partnership with some of the best maintenance facilities in the world, including BCT Aviation Maintenance UK, which is on ground at the airline's Lagos hub to handle routine maintenance of its aircraft 24/7, 365 days.

The airline boasts some of the best hands in Nigeria's aviation industry within it's employ, and has set many records in the country. It was the only airline to commence operations with a fleet size of seven aircraft, the only airline to operate to five different destinations in Nigeria simultaneously at launch, and the only airline in Nigeria to acquire the Boeing 777 aircraft.

In recognition of its transformation of Nigeria's airline business, Air Peace has won many awards from reputable organizations. The carrier has been recognized as the Best Domestic airline by TELL Magazine, The Daily Independent and the Nigerian Air Traffic Controllers' Association. It has also won Interswitch's Payment Innovation Driver, Aviation award and the Leadership Newspaper, Company of the Year award.

Challenging as the airline business may be, the carrier has continued to focus and deliver on it's vision "to be ever dependable through the creation of seamless connections and network options for domestic, regional and international markets" and its mission is "to expand our locations, both domestic and beyond, as the largest and the most profitable airline to achieve safe, efficient and affordable short and long-haul flights.

