



**SUMMARY REPORT OF THE STATE ACTION PLANS – ONLINE REGIONAL SEMINAR
2020 - MID Region
(25 - 26 August, from 13:00 to 16:00 Cairo Local Time)**

1. INTRODUCTION

The State Action Plans – Online Regional Seminars 2020 for the MID Region was successfully held on 25-26 August May 2020. A total of 37 participants from 5 MID States (Bahrain, Iraq, Jordan, Syria and UAE), 3 Airport operators (Dubai Airport, Sharjah Airport and ONDA), 4 Airlines (Emirates, Air Arabia, Fly Dubai and RAM). The list of participants is at **Attachment 1**.

2. BACKGROUND

2.1 Since the beginning of ICAO's journey to progress in terms of policy development and standards setting to limit and reduce the impact of aviation on the global climate, ICAO Member States demonstrated that they were interested in taking action and advancing initiatives on environmental protection. However, not all of them had the human, technical and financial resources to do so. To overcome this challenge, ICAO launched the State Action Plan initiative in 2010 as a means to provide States with the capacity and tools to take action.

2.2 In order to support its 193 Member States with the development of their State Action Plans, ICAO has developed a series of guidance documents and quantification tools as well as organising dedicated seminars/workshops to SAP states focal points.

2.3 This seminar is part of the framework of ICAO initiative to enable Member States to develop/update their State Action Plan with practical input on the definition of quantified baseline scenario, selection of mitigation measures from ICAO's basket of measures, and calculation of the expected results of implementing those measures. The level of detail submitted within a SAP will ultimately enable ICAO to compile global progress towards meeting the goals set by Assembly Resolution A37-19, and reaffirmed by A38-18, A39-2, and A40-18.

3. AGENDA OF THE SAP ONLINE MID REGION SEMINAR

The Agenda of the seminar is provided as **Attachment 2**.

4. OBJECTIVE

The main objectives of the Seminar were to:

- introduce the State Action Plan initiative and provide updates on the SAP development process, including a breakdown of the baseline scenario development process, descriptions of the mitigation measures, and how to develop the expected results;

- learn about ICAO Guidance on State Action Plans; the Action Plan Emissions Reduction (APER) website, supporting documents and ICAO tools; assistance for the implementation of the Action Plan; and States' best practices; and
- provide a specific overview of the status of State Action Plan submissions in the MID Region, present examples of mitigation measures being implemented by States in the Region.

5. SUMMARY OF DISCUSSIONS

Mr. Mohamed Khalifa Rahma, Director of Air Transport Bureau of ICAO delivered opening remarks and welcomed all participants and thanked them for attending the SAP Online Regional Seminars.

Mr. Mohamed Smaoui, the Acting Regional Director, ICAO MID Office, provided also opening remarks highlighting the main objectives and expectations of this seminar and wishing the seminar all success.

Ms. Jane Hupe, ICAO's Deputy Director for the Air Transport Bureau who is responsible for the environmental programme, welcomed participants, provided brief welcome messages, and provided housekeeping notes before opening the first session.

5.1 Session 1: Introduction to ICAO and ICAO's Environmental Activities

5.1.1 The subject was addressed in PPT/1.1. Intro to ICAO and ENV.2020.MID

5.1.2 Ms. Jane Hupe provided a presentation on ICAO's Environmental Activities including ICAO role and structure. She briefed the participants about ICAO's environmental work, including an introduction to CAEP, CORSIA, Stocktaking, and LTAG.

5.1.3 The participants were apprised of the global aspirational goals for CO2 emissions – two per cent fuel efficiency improvement annually, and carbon neutral growth from 2020 - and a “basket of measures” to progress towards these goals. The basket of CO2 mitigation measures was presented including the innovative aircraft technologies, implementing more efficient operations, facilitating the use of sustainable alternative fuels, and creating a global market-based measure, the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA).

5.1.4 An overview was given on State Action Plan Journey (timeline, results, status and next steps) and how State Action Plans can be built into a State's green recovery process.

5.1.5 In terms of the ICAO Assistance Projects, an update was provided regarding the outcomes of the ICAO assistance projects in support of its Member States' actions to reduce aviation emissions.

5.1.6 Ms. Jane Hupe outlined the UN six climate-related actions to shape the COVID-19 recovery.

5.2 State Action Plan Development Process

5.2.1 The subject was addressed in PPT/ 1.2. SAP Development Process.2020 - MID

5.2.2 Ms. Demi Tighe, Subject Matter Expert on Environment ICAO, introduced the State Action Plan initiative and provided details about the SAP development process, including a breakdown of the

baseline scenario development process, descriptions of the mitigation measures, and how to develop the expected results.

It was pointed out that a State Action Plan should consist of the following five elements in order to be considered complete: 1) Focal Point information; 2) Baseline Scenario; 3) list of mitigation measures; 4) Expected Results; and 5) Assistance needs (if required). The participants received further details on each element.

5.2.3 In addition, the participants were informed about the benefits of Developing a State Action Plan, including the ability for States to promote cooperation, to establish partnerships, to facilitate technology transfer and to obtain assistance. It was also noted that the SAP provides an organized means for the States to highlight their commitment, to address environmental challenges and, outline their respective policies and actions.

5.2.4 The role of ICAO in facilitating the States' Action Plans initiative was covered particularly, in developing guidance material and tools, enabling capacity-building and assistance projects, organizing workshops and training seminars and partnering States through the State Action Plan Buddy Programme.

5.2.5 The seminar was updated with the ICAO Doc 9988, Guidance on the Development of States' Action Plan on CO2 Emissions Reduction Activities, which describes the process for developing or updating an Action Plan, the series of ICAO Environmental tools to support the preparation of State Action Plans and the APER website which contains the main parts of the Action Plan.

5.3 State Action Plan Interactions with ICAO Work

5.3.1 The subject was addressed in PPT/ 1.3 New Activities and SAP.2020 and PPT/ 1.4. SAP and CORSIA_2020.

5.3.2 Mr. Neil Dickson, Chief Environmental Standards at ICAO, provided a presentation on New ICAO Activities and State Action Plans.

5.3.3 The seminar was apprised of the ICAO Global Aspirational Goals and Relationship with State Action Plans as well as State Action Plan interactions with CAEP working groups.

5.3.4 The seminar noted the updates on recent developments related to CO2 emissions reduction initiatives and how State Action Plans can showcase new measures.

5.3.5 A second presentation was provided by ICAO on how would CORSIA support State Action Plan and synergies between SAP and CORSIA.

5.4 Interactive Tool Training to Support the State Action Plan Process

5.4.1 The subject was addressed in PPT/ 2.1 ICAO Supporting Tools 2020.

5.4.2 The session was dedicated to the State Action Plan Focal Points only.

5.4.3 Mr. Neil Dickson, Chief Environmental Standards at ICAO, provided a presentation on ICAO Environmental Tools to support the preparation of State Action Plans and how each tool can be used in the process to develop a State Action Plan, including a live demo, as follows:

- **Action Plan on Emissions Reduction (APER) website** – a secured, web-based platform that can be used to interact with ICAO. The APER provides access to resources developed by ICAO in support to States, including this guidance document. Additional resources include the ICAO Environmental Benefits Tool (EBT), the Marginal abatement cost (MAC) curves tool, ICAO Carbon Emissions Calculator for States, additional ICAO guidance documents, useful links, and PowerPoint presentations from past ICAO States’ Action Plans Regional Seminars.
- **Environmental Benefit Tool (EBT)** – is a tool developed for supporting States in the development of their State Action Plan. This tool allows easily generating a baseline scenario, estimating the impact of mitigation measures and finally generating expected results. The EBT allows, with a minimum of input from the State Action Plan Focal Point, to generate a baseline scenario in terms of fuel burn and CO₂ emissions up to 2050, estimate the fuel and CO₂ savings from the implementation of the mitigations measures and finally, evaluate the expected results.
- **ICAO Carbon Emission Calculator (ICEC)** – this tool allows passengers to estimate the emissions attributed to their air travel. It is simple to use and requires only a limited amount of information from the user. The methodology applies the best publicly available industry data to account for various factors such as aircraft types, route specific data, passenger load factors and cargo carried.
- **Marginal Abatement Cost (MAC) Curve Tool** – is an estimate of the volume and costs of opportunities to reduce emissions in a given year. This tool was developed to support States with the process of selecting mitigation measures as a part of the State Action Plan development process. It offers the possibility for States to identify and rank up to 20 mitigation measures in order to facilitate decision-making. The tool includes a user-friendly interface and is fully customizable to fit the State's situation.
- **ICAO Fuel Savings Estimation Tool (IFSET)** – allows those without modelling and/or measurement capabilities to estimate fuel savings from operational improvements. This tool includes an easy-to-use interface, requires minimal data, and is an improvement over the Rules of Thumb. Using IFSET, users can estimate the effects of shortening/eliminating level segments on departure and approach, the effects of shorter routes (either in time or distance), the effects of cruising at different altitudes, and the effects of reduced taxi times as part of a process to quantify CO₂ reduction benefit from operational measures selected in the State Action Plan.
- **UNITAR E-Learning Training Course on States Action Plan** – is a self-paced tutorial to train State Action Plan Focal Points and stakeholders of the aviation sector in the preparation and implementation of Action Plans on Emissions Reduction in accordance with ICAO’s guidance documents and best practices.

5.5 Regional Details and Examples

5.5.1 The subject was addressed in PPT/ 2.2 ICAO-MID Regional-Details-and-Examples.

5.5.2 Mr. Radhouan Aissaoui, MID Regional Officer Information Management, delivered a presentation that covered a specific overview of the status of State Action Plan submissions in the MID Region, presented examples of mitigation measures being implemented in some MID States and ICAO MID Capacity Building Programme which provides tailored support to the MID States on ENV related matters.

5.6 Closing Remarks

5.6.1 States were encouraged to develop and update their fully quantified State Action Plans. In addition, States that have not yet developed, or are in the process of developing, a State Action Plan were invited to establish a partnership with States that have already developed and submitted a State Action Plan to ICAO. States interested in participating as beneficiaries or supporters of the State Action Plan Buddy Programme were also invited to contact ICAO at: actionplan@icao.int or icaomid@icao.int.

5.6.2 States were also encouraged to make their SAP publically available in order to showcase State's commitment to environmental actions and to provide an example for States that have not yet developed a SAP.

5.6.3 The Meeting was closed by Ms. Jane Hupe, ICAO's Deputy Director for the Air Transport Bureau, who thanked participants for their attendance.

- END -

LIST OF APPENDICES

Attachment 1 — Agenda

Attachment 2 — List of participants

MID - 25 and 26 August 2020 - 07:00 (Montreal time)/ 13:00 (local time)

Member State	Region/Seminar City	SAP Focal Point
Bahrain	MID	
Egypt	MID	
Greece**	EUR/NAT	Konstantina Chrysiopoulou Act. Head of Environmental Protection Section Action Plan Focal Point Hellenic Civil Aviation Authority
Iraq	MID	Mrs. Ayat Abdulkhaliq Mustafa
Iran (Islamic Republic of)	MID	
Jordan	MID	Mr. Elham Alrawasdhdeh Aircraft Accident Investigation Department
Qatar	MID	
Morocco	EUR/NAT	Nora Oustani Head of service of managing airlines and international negotiation - CORSIA and State Action Focal Point
Saudi Arabia	MID	
Syria	MID	Bashar AHMAD CO2 FOCAL POINT
Sudan	MID	
United Arab Emirates	MID	Maryam Al Balooshi



Additional participants

D/ATB		Mohamed K. Rahma
Acting Regional Director, MID		Mohamed Smaoui

Additional Participant (not SAP FP)	E-mail	Total Participants
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ts joining the session

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State Action Plans – Online Regional Seminars 2020

MID Region – 25 to 26 August

Agenda – Approximate timings included in Cairo time

DAY 1 – Wednesday 25 August	
Approximate Timing	Details
13:00 – 13:25	<p>Welcome and Introduction by the Director of the Air Transport Bureau and Regional Directors</p> <p>ICAO will welcome participants, provide brief welcome messages, and provide housekeeping notes before opening the first session.</p>
13:25 – 14:00	<p>Introduction to ICAO and ICAO’s Environmental Activities</p> <p>This session will provide an overview of ICAO, including its role and structure. It will also provide an introduction to ICAO’s environmental work, including an introduction to CAEP, CORSIA, Stocktaking, and LTAG. This presentation will also comment on how State Action Plans can be built into a State’s green recovery process.</p>
14:00 – 14:10	Break
14:10 – 15:00	<p>State Action Plan Development Process</p> <p>This session will introduce the State Action Plan initiative and provide detail about the SAP development process, including a breakdown of the baseline scenario development process, descriptions of the mitigation measures, and how to develop the expected results.</p> <p style="text-align: center;">- This session will include a Q&A period.</p>
15:00 – 16:00	<p>State Action Plan Interactions with ICAO Work</p> <ul style="list-style-type: none"> • New ICAO Activities and State Action Plans • State Action Plans and CORSIA <p>This session will provide more details on how State Action Plans relate to ICAO’s various work streams, including CORSIA and the ICAO Stocktaking process. This session will also provide examples of how State Action Plans can showcase new measures.</p> <p style="text-align: center;">- This session will include a Q&A period.</p>

DAY 2 – Thursday, 26 August	
13:00 – 14:45	<p>Interactive Tool Training – <i>This is a closed session, for participation by State Action Plan Focal Points only.</i></p> <p>This session will cover the following tools:</p> <ul style="list-style-type: none"> • Action Plan Emissions Reduction (APER) Website • Environmental Benefit Tool (EBT) • ICAO Carbon Emission Calculator (ICEC) • Marginal Abatement Cost (MAC) Curve Tool • ICAO Fuel Savings Estimation Tool (IFSET) • UNITAR E-Learning Training Course on State Action Plans
14:45 – 14:55	Break – <i>Room is reopened to all participants</i>
14:55 – 15:00	Welcome back and Housekeeping
15:00 – 15:45	<p>Regional Details and Examples</p> <p>This session will provide an opportunity for the Regional Officer to present to States, to provide a specific overview of the status of State Action Plan submissions in the Region, present examples of mitigation measures being implemented in States in the Region, etc. The HQ SAP Team will work with each RO to develop relevant information for this session.</p> <p>This session will include a Q&A period.</p>
15:45 – 16:00	Closing Remarks