



ICAO

UNITING AVIATION

iSTARS *i*MPLEMENT



iMPLEMENT Workshop

21/05-23/05/2018

Dakar, Senegal





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NO COUNTRY LEFT BEHIND



Module 1 – Agenda 1

Overview of iIMPLEMENT and related iSTARS apps



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iSTARS *iIMPLEMENT*



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iSTARS *i*MPLEMENT



CONTENTS

01 NCLB initiative

02 iMPLEMENT

- *What is it?*
- *How it works*
- *Why data-driven decision making?*
- *Data-driven decision making benefits*
- *Data-driven decision making requirements*

03 iSTARS



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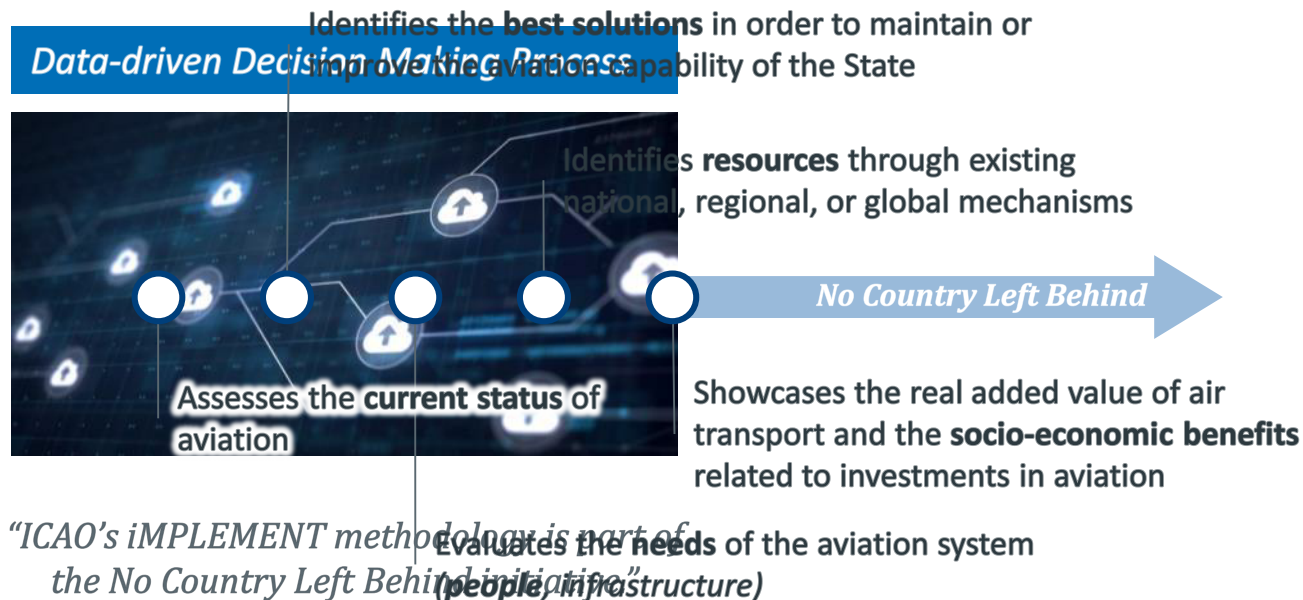
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iIMPLEMENT – What is it?





iIMPLEMENT – How it works?



Economic Impact



Current Situation



Solving the Puzzle



Getting Help



Report

A 'NO COUNTDOWN' Initiative:

iIMPLEMENT

Socio-economic benefits



General Assessment



Deficiencies identification



Problem prioritization



Solution identification



Needs evaluation



Resource identification



“ Enhancing implementation by prioritizing improvement activities based on data. ”





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iMPLEMENT – Why data-driven decision making?

Effective and informed decisions are based on the analysis of data and information

Using valid and relevant data helps place the problem in the right context

And to identify risks and opportunities

Even to mitigate human error

It helps us determine a best-fit solution

It provides credible evidence to stakeholders and management regarding strengths, weaknesses, opportunities, limitations and risks

This is why managers and experts in all fields must base their decisions on the right quantity and quality of data





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iMPLEMENT – Data-driven decision making benefits

Decision making based on the right data enables managers to focus on strategy and policy issues, such as:

- ✓ Changes that can be expected in statutory and regulatory requirements, emerging technologies, etc.
- ✓ Risks that need to be identified, managed or minimized
- ✓ Priorities that need to be established and managed, e.g. operations, strategic, resources
- ✓ Potential changes in the needs and expectations of interested parties in the long term
- ✓ Existing services, products and processes that currently provide the most value for interested parties
- ✓ New services, products and processes needed to meet the changing needs and expectation of interested parties
- ✓ The evolving demands for the organization services and products
- ✓ The impact of emerging technologies on the organization
- ✓ New competencies that may be needed



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iMPLEMENT – Data-driven decision making requirements

Managers and experts who adopt a factual approach to decision making need to:

- Ensure that data and information are accurate and reliable
- Analyze data and information using valid methods
- Balance their decisions with experience and intuition



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iSTARS



Aviation Tools to support Implementation



A **web-based system** on the ICAO Secure Portal.



Quick and convenient **interface** to a collection of safety and efficiency **datasets** and **web applications** for safety, efficiency and risk analyses.



Various datasets and indicators **specific to States**.



Login via ICAO Secure Portal Site

<https://portal.icao.int>



ICAO SECURE PORTAL



LOGIN



REQUEST AN ACCOUNT

Please type **icao** in front of
your user name to login.
ex: **icao**/jdoe

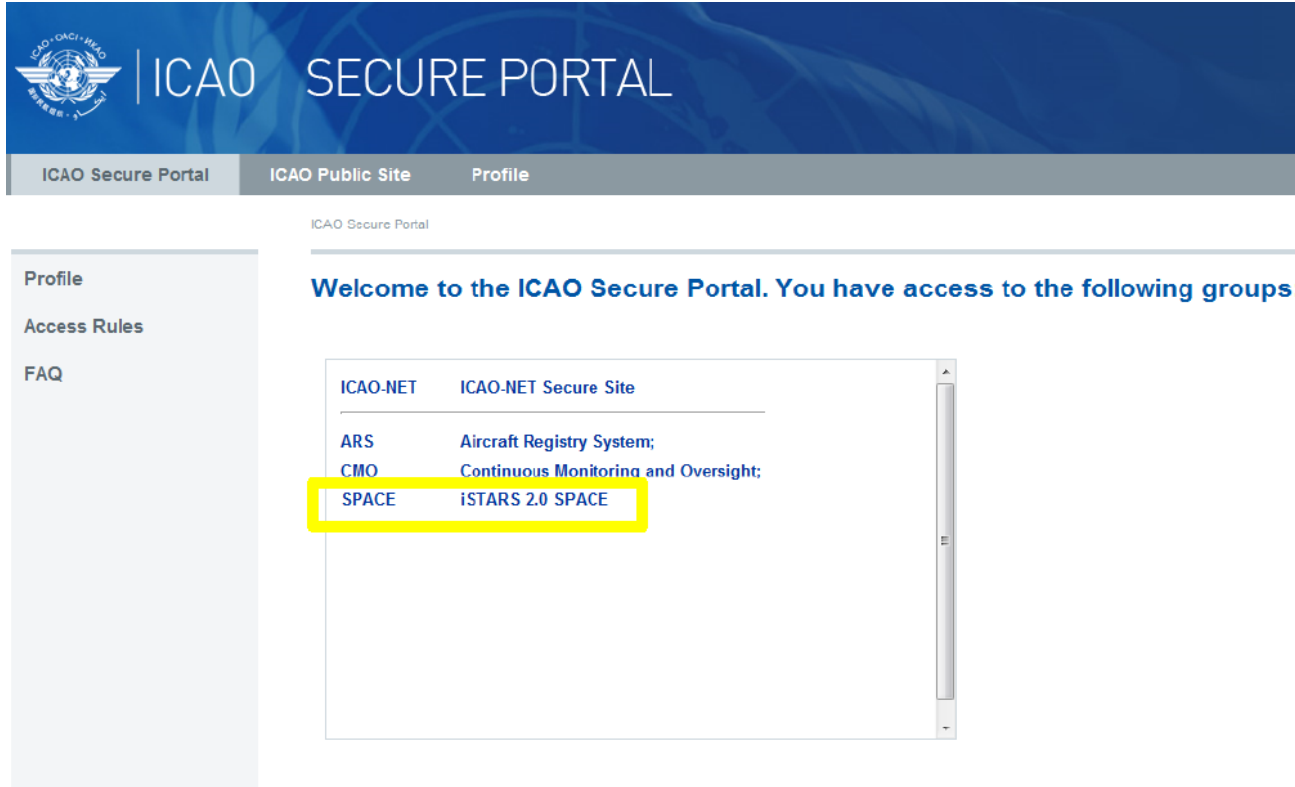
Cannot Login?



Login Procedures

Login via ICAO Secure Portal Site

<https://portal.icao.int>



The screenshot displays the ICAO Secure Portal website. At the top, there is a blue header with the ICAO logo and the text "ICAO | SECURE PORTAL". Below this is a navigation bar with three tabs: "ICAO Secure Portal", "ICAO Public Site", and "Profile". The main content area is titled "Welcome to the ICAO Secure Portal. You have access to the following groups:". On the left side, there is a sidebar with links for "Profile", "Access Rules", and "FAQ". The main content area contains a table listing the groups accessible to the user. The table has two columns: "ICAO-NET" and "ICAO-NET Secure Site". The rows are: "ARS" (Aircraft Registry System), "CMO" (Continuous Monitoring and Oversight), and "SPACE" (iSTARS 2.0 SPACE). The "SPACE" row is highlighted with a yellow box.

ICAO-NET	ICAO-NET Secure Site
ARS	Aircraft Registry System;
CMO	Continuous Monitoring and Oversight;
SPACE	iSTARS 2.0 SPACE



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iSTARS 3.0

integrated Safety Trend Analysis and Reporting System



MY APPS

CATALOGUE

GROUP MANAGER

SPACE-EXCHANGE

WORKSHOP

NEWS

MY ACCOUNT

CONTACT US

PROFILE

Latest News

04
AUGPDF generator service
interruption[Read +](#)20
JULREVISED: Upcoming
Maintenance (29-30 July)[Read +](#)19
JANRegister your Runway Safety
Team[Read +](#)

Shows all applications available by categories

Most Installed Apps

Total Apps Installed: 27685 (+0 per day)



USOAP DataTables (1220)



ADREP et al. (1333)



ICAO DOCs (1571)

[Go to my Apps >](#)

You and 9 other users are currently online

Hello, Dunia! Welcome to iSTARS. You have installed **17** apps.

View the Catalogue for the full list of all iSTARS apps, which allow provide granular user access and faster response as they are connected to our cloud based Safety Intelligence Engine (SIE).

Keep in mind that some iSTARS apps are in beta (pre-release), so please contact us if you experience any problems.

[View the Catalogue...](#)

You are on a free account. Enjoy.

Analysis Workshop

Analysis Workshop



Latest Applications

[View full catalogue >](#)

State Safety Briefing 2018



Risk Based Surveillance



Inspector Benchmarking

Tweets by @icao



ICAO @icao



Aviation has become an indispensable means of transport, and the benefits reach far beyond that. Read more on how it has become a major contributor to global economic prosperity



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iSTARS 3.0

integrated Safety Trend Analysis and Reporting System



MY APPS

CATALOGUE

GROUP MANAGER

SPACE-EXCHANGE

WORKSHOP

NEWS

MY ACCOUNT

CONTACT US

PROFILE

Catalogue

List of Available iSTARS Applications

The list below contains all applications available to you on iSTARS, based on your user permissions.

Catalogue (34)

Invitations

Owners (0)

Select a category or use the search box

All (34)

Accident Stats (1)

ACE (4)

Airlines (1)

Airports (6)

CAA HR Toolkit (2)

Documentation (5)

iMPLEMENT (18)

Integrated Analysis (12)

Natural Hazards (1)

SSP/SMS (7)

State Information (29)

Traffic (4)

USOAP (12)

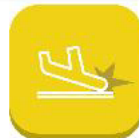
Search:

Icon

Name/Category

Description

Installed

**ADREP et al.**

Statistics and Data on Accidents and Incidents

A global repository of accidents and incidents including official (ADREP) and unofficial (Aviation Safety Network, etc.) sources since 2008. Current statistics and trends

To My Apps

**Air Navigation Implementation - Actual**

A dashboard and details of status of AN Implementation by Region

Status of Air Navigation Implementation

To My Apps

All categories available to users

All applications available by category



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iSTARS 3.0

integrated Safety Trend Analysis and Reporting System



MY APPS

CATALOGUE

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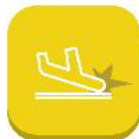
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[To My Apps](#)**Air Navigation Implementation - Actual**

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[To My Apps](#)

Click here to have the list of iMPLEMENT apps

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**Air Navigation Implementation
- Actual**

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[To My
Apps](#)**Air Transport Accessibility**

Measuring people's access to the
international air transport system

The Air Transport Accessibility app represents the fraction of a population living within 100 KM of
an aerodrome.

[Open](#)**Airport Briefings**

Detailed Airport Status Report

Comprehensive information about international airports

[Open](#)**ASIAP Prioritisation**

Prioritisation of Assistance Needs

The Aviation Safety Implementation Assistance Partnership (ASIAP) Prioritisation Tool is
designed to identify States prioritised for technical assistance.

[To My
Apps](#)

Click on the logo to
access the app



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North American
Central American
and Caribbean
(NACC) Office
Mexico City

South American
(SAM) Office
Lima

ICAO
Headquarters
Montréal

Western and
Central African
(WACAF) Office
Dakar

European and
North Atlantic
(EUR/NAT) Office
Paris

Middle East
(MID) Office
Cairo

Eastern and
Southern African
(ESAF) Office
Nairobi

Asia and Pacific
(APAC) Sub-office
Beijing

Asia and Pacific
(APAC) Office
Bangkok

THANK YOU