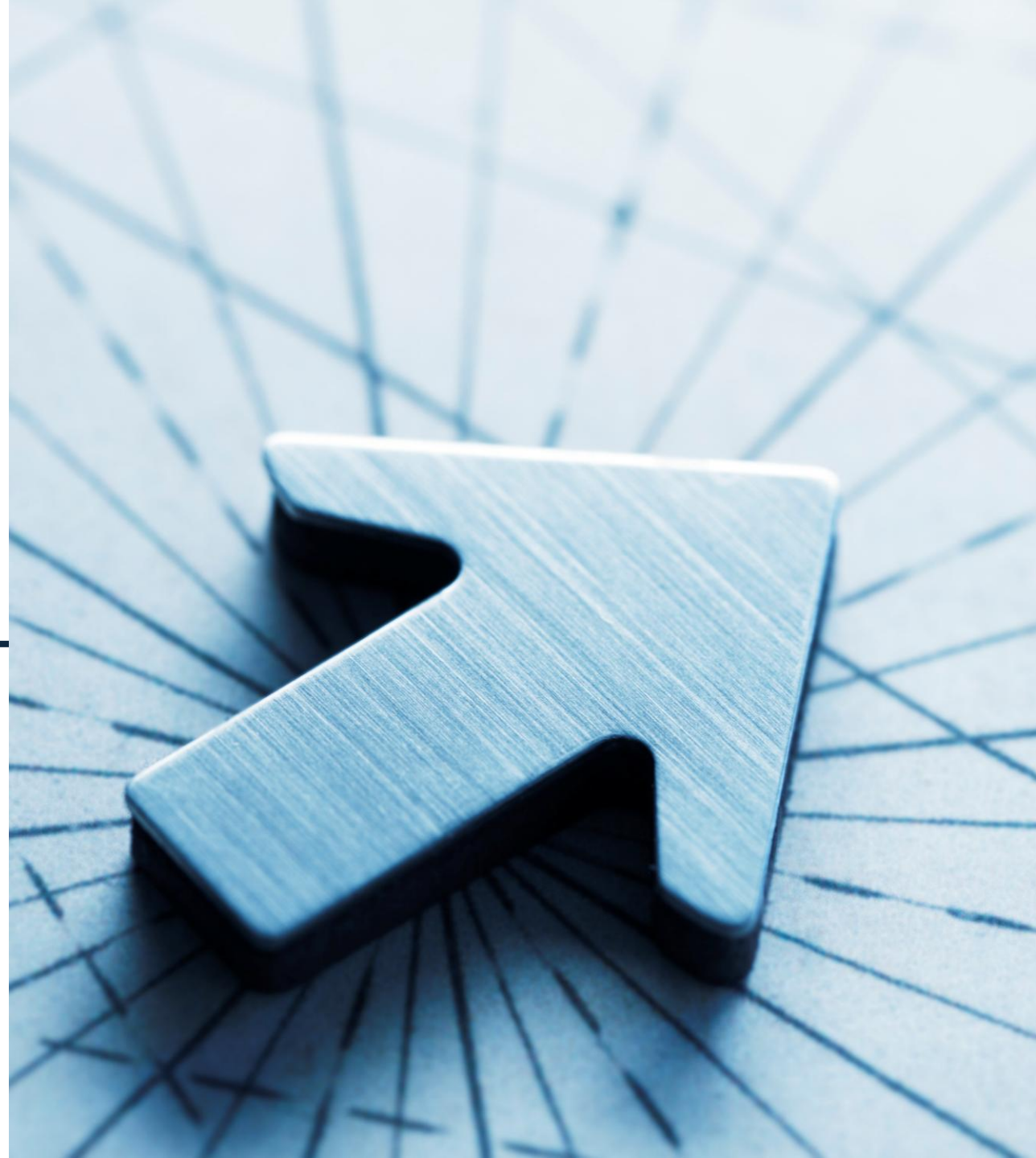

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INTERNATIONAL
CIVIL AVIATION
ORGANIZATION

iSTARS Guidance for State's PBN Implementation Monitoring

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iSTARS *(ICAO Integrated Safety Trend Analysis and Reporting System)*

An **ICAO data platform** that consolidates aviation-related information and provides dashboards, analytics, and monitoring tools to **support States**, **Regional Offices, and ICAO Headquarters** in safety and air navigation oversight.

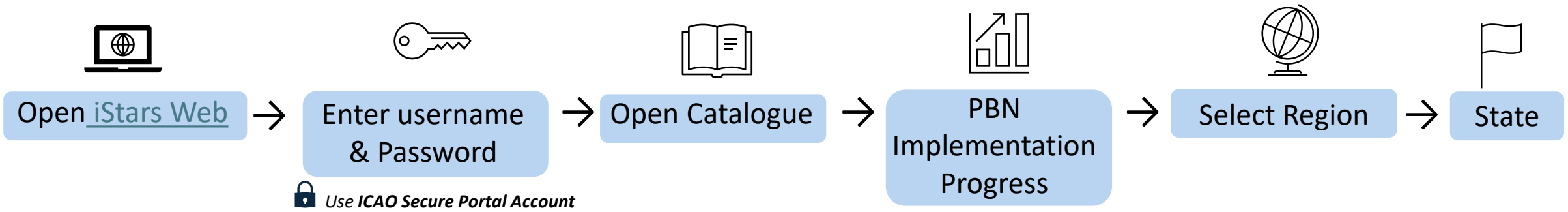
iSTARS Provides data as follow:

- ❑ Statistic and Data on Accidents and Incidents;
- ❑ Air Navigation Plans;
- ❑ Global Avaiton Training;
- ❑ **PBN Implementation Progress;**
- ❑ USOAP Data table;
- ❑ Etc.

Who is using iSTAR in the states?

- ❑ CAA , ANSP, Airport Operator, Airline Operator,;
- ❑ Instrument Flight Procedure Design Service Provider (IFPDSP);
- ❑ Etc.

iSTARS web Process Diagram



Note

1. *Ensure **ICAO Secure Portal Account** has been owned & **Granted to join ISTAR Group***
2. *How to **Get ICAO Secure Portal Account** and How to **Join iSTARS Group**, see the guidance*
3. *See details **How to Get PBN Implementation Info in iSTARS***

How to Get ICAO **secure portal** account?



How to Get ICAO secure portal account? (1/2)

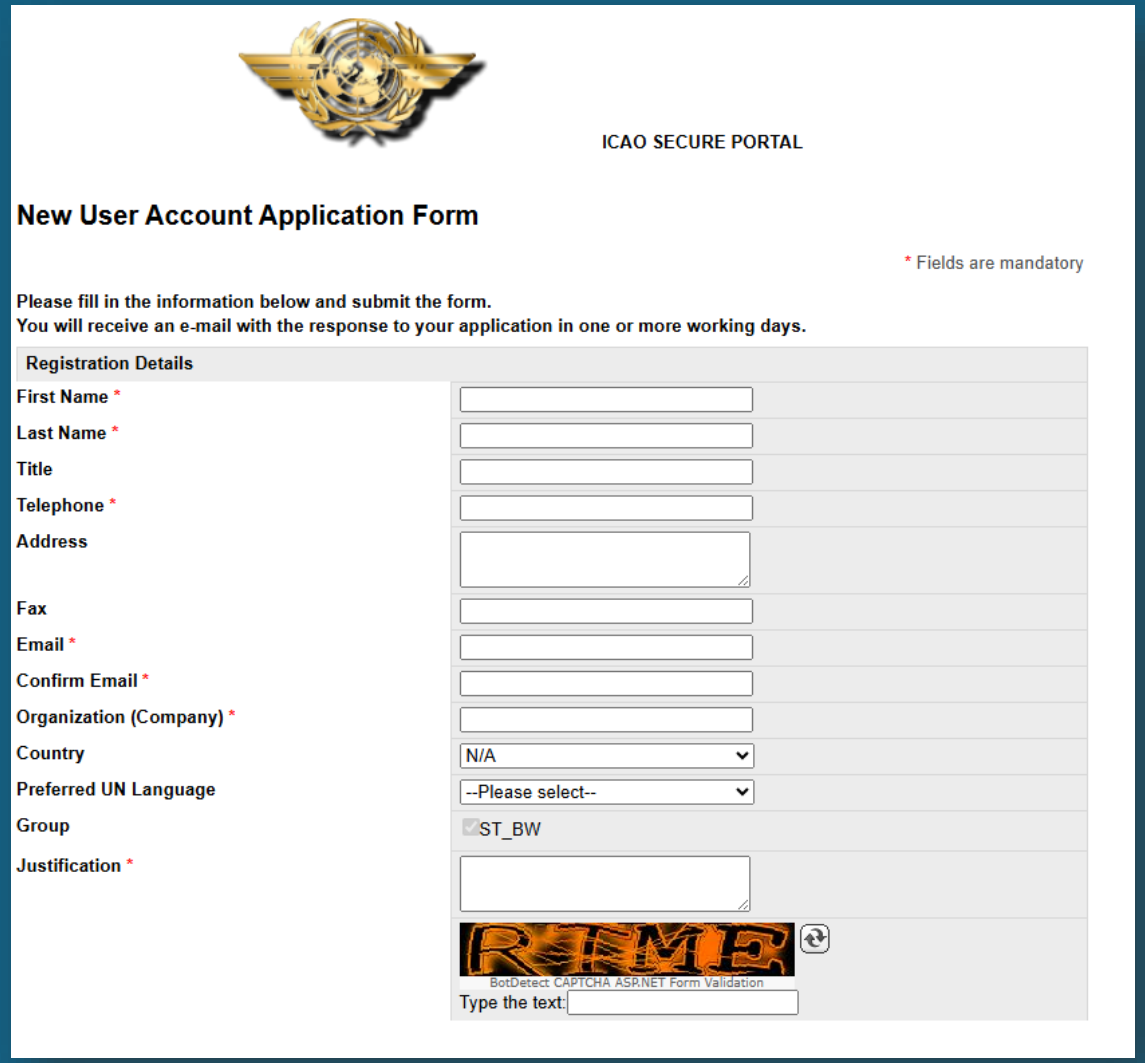
ICAO Secure Portal Account

1. Go to Website : New User Application

https://portallogin.icao.int/NewUserRegistration.aspx?grps=ST_BW&AspxAutoDetectCookieSupport=1

2. Fill the Information and Submit the Form, and wait for approval process

Note:
- Official account is highly recommended,
- Approval Process in **1 (one) or more Working days**



ICAO SECURE PORTAL

New User Account Application Form

* Fields are mandatory

Please fill in the information below and submit the form.
You will receive an e-mail with the response to your application in one or more working days.

Registration Details

First Name *	
Last Name *	
Title	
Telephone *	
Address	
Fax	
Email *	
Confirm Email *	
Organization (Company) *	
Country	N/A
Preferred UN Language	--Please select--
Group	ST_BW
Justification *	

BotDetect CAPTCHA ASP.NET Form Validation

Type the text:

How to Get ICAO secure portal account? (2/2)

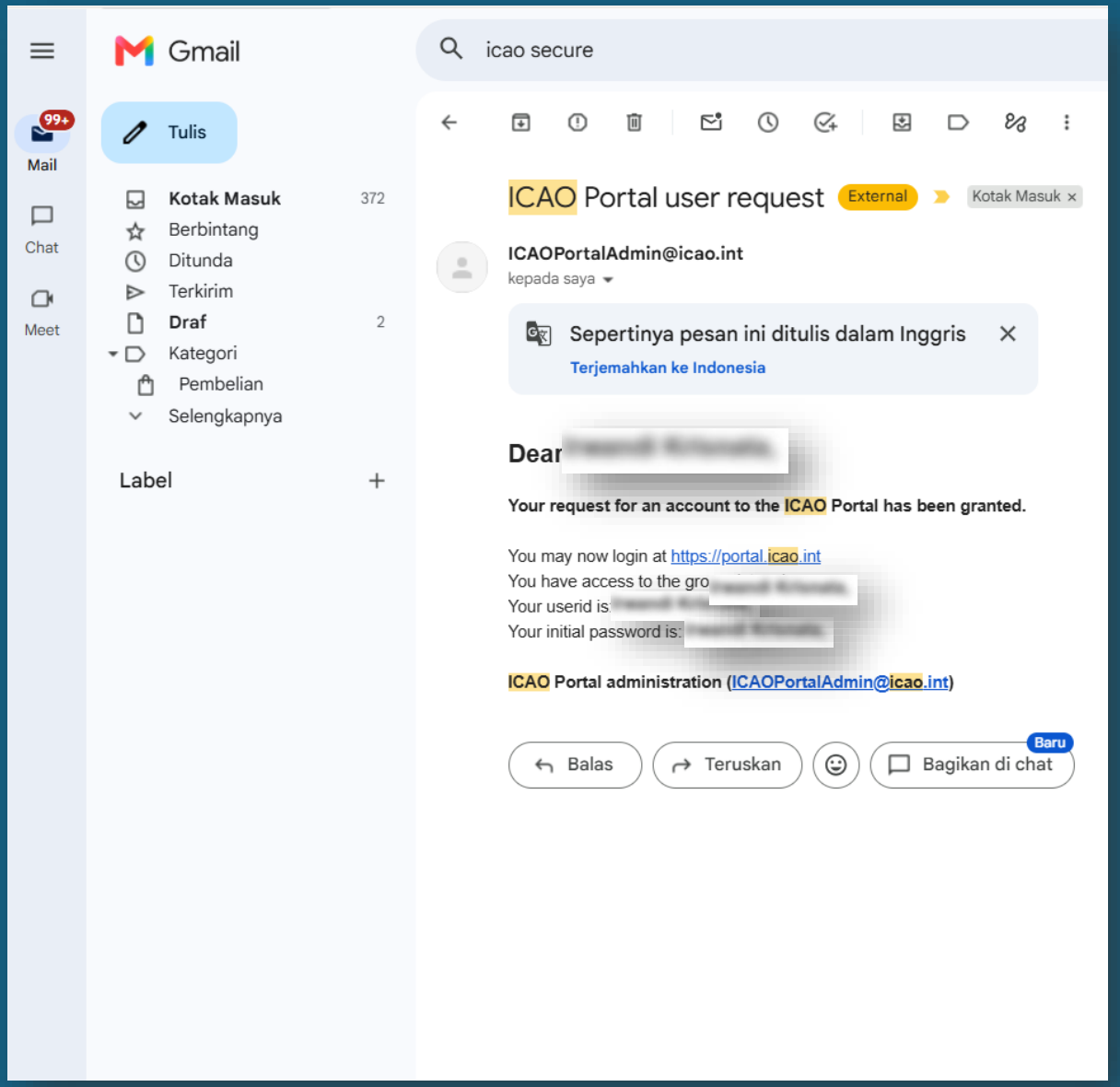
ICAO Secure Portal Account

3. Once **Approved**, you will received notification and Information

- **User ID**
- **Initial Pasword**

Note:

- *All Password Automatically **expired** every 3 (three) months*
- *If you don't **receive** any email, please check at "Spam/junk email"*



How to join **iSTARS Group?**



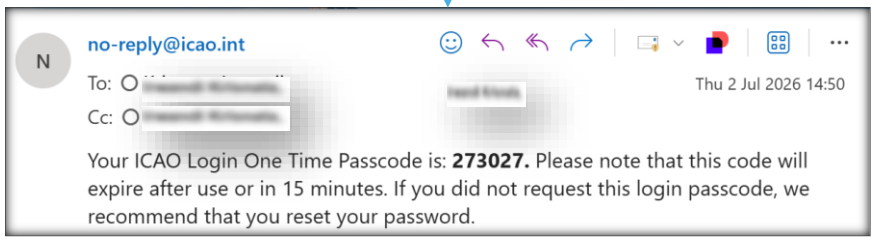
How to join iSTARS Group? (1/4)

ICAO Secure Portal Account

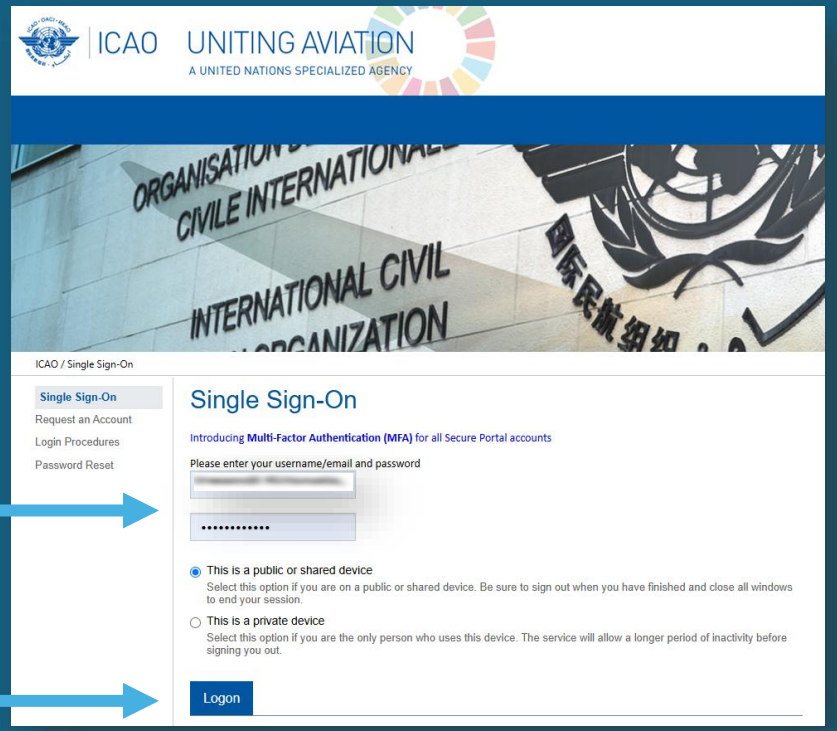
1. Open ICAO Secure Portal: ICAO Secure Login

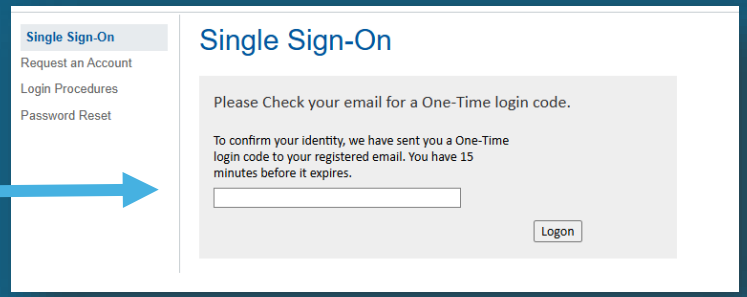
2. Enter email username and password, Click “Logon”

3. You will receive one time password **(OTP)** on email



4. Enter **OTP** into Single Sign-on form, Click “Logon”





How to join iSTARS Group? (2/4)

Secure Portal Group

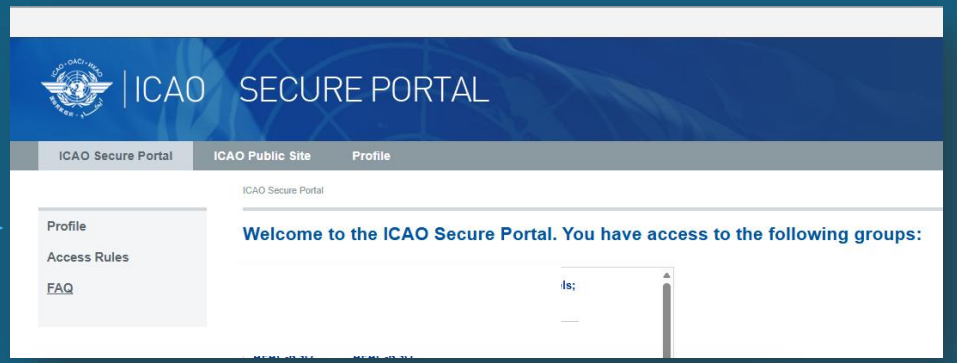
1.Go to your Profile

2. Go to “Group Subscribe”

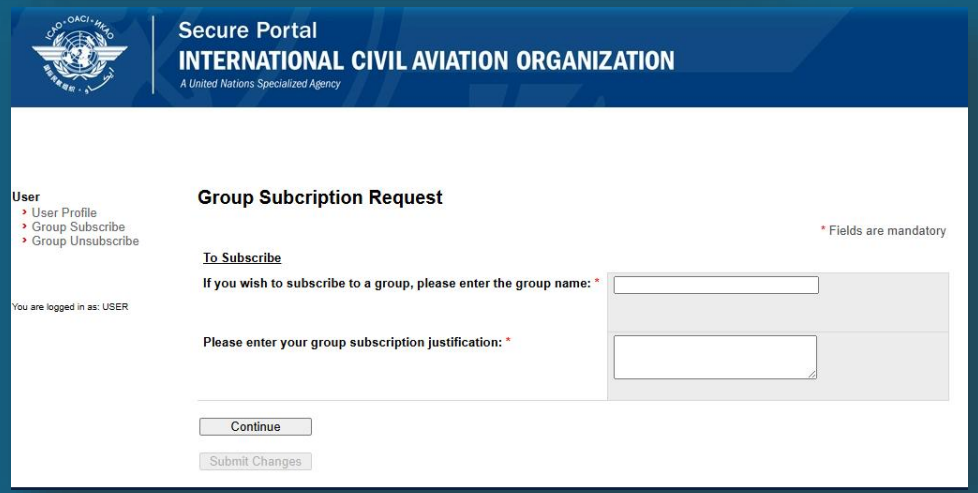
3. Fill the Group Name **“iSTARS”,** & **“Justifications”** to Join the Group”

E.g.: “ I am PBN focal point of State ……., I Would like to join this group to monitor my PBN Implementation in my state”

Click **“Continue”**



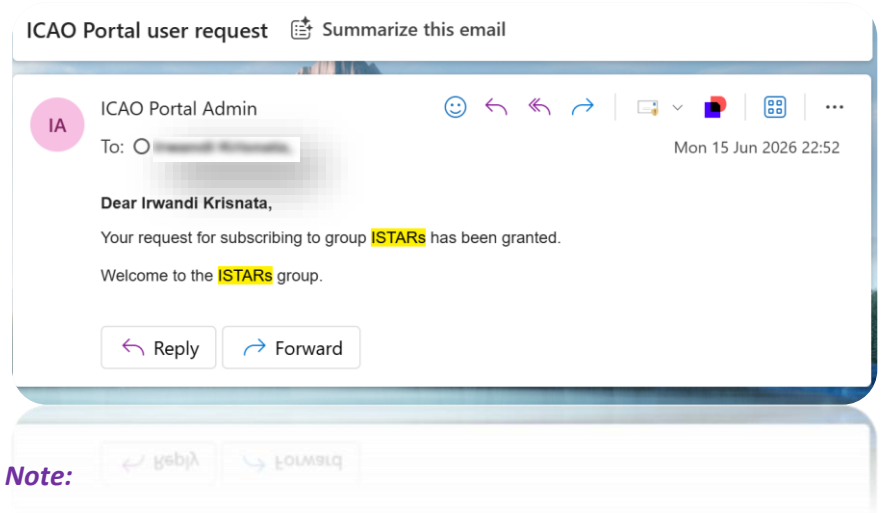




How to join iSTARS Group? (3/4)

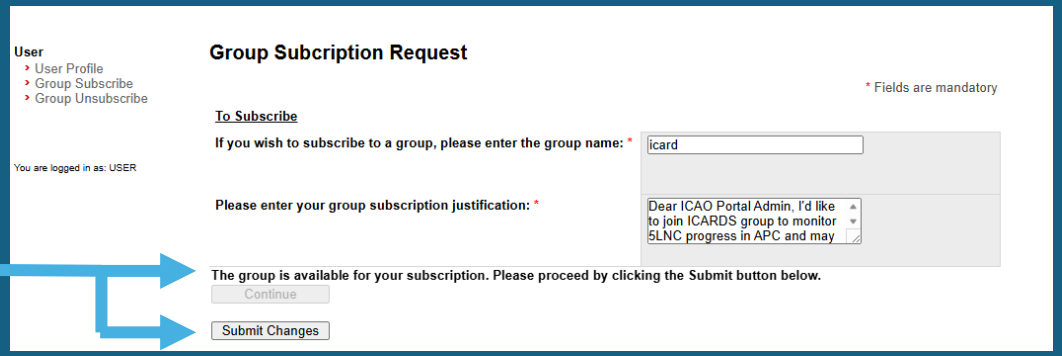
Secure Portal Group

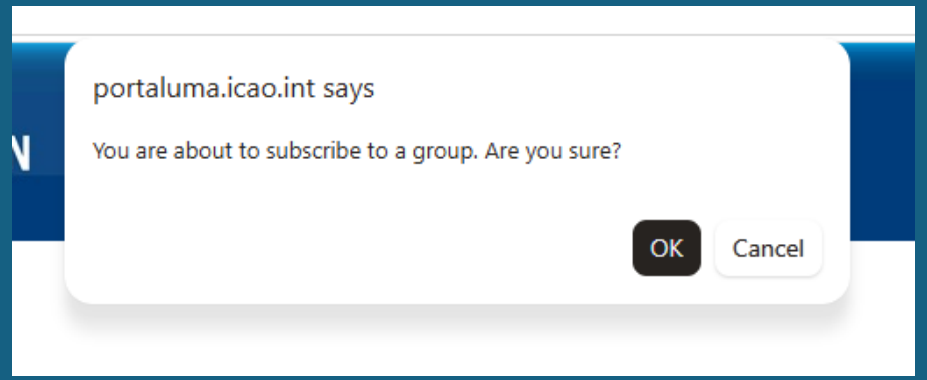
1. you will receive info: **“The Group is available for subscription”**. Click **“Submit Changes”**
2. Pop up message appears, then Click “OK”
3. Your Request Have been submitted
4. After Verification Process Finished, Approval Email Will Sent to your Email

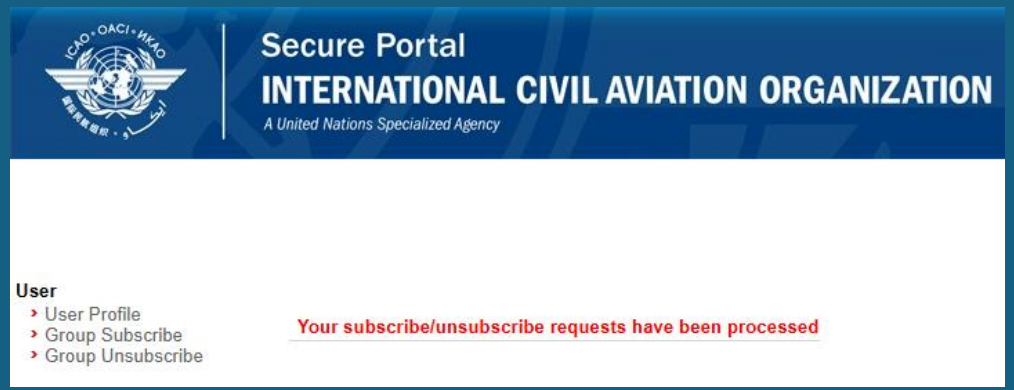


Note:

- *Approval Process may in **1 (one) or more Working days***

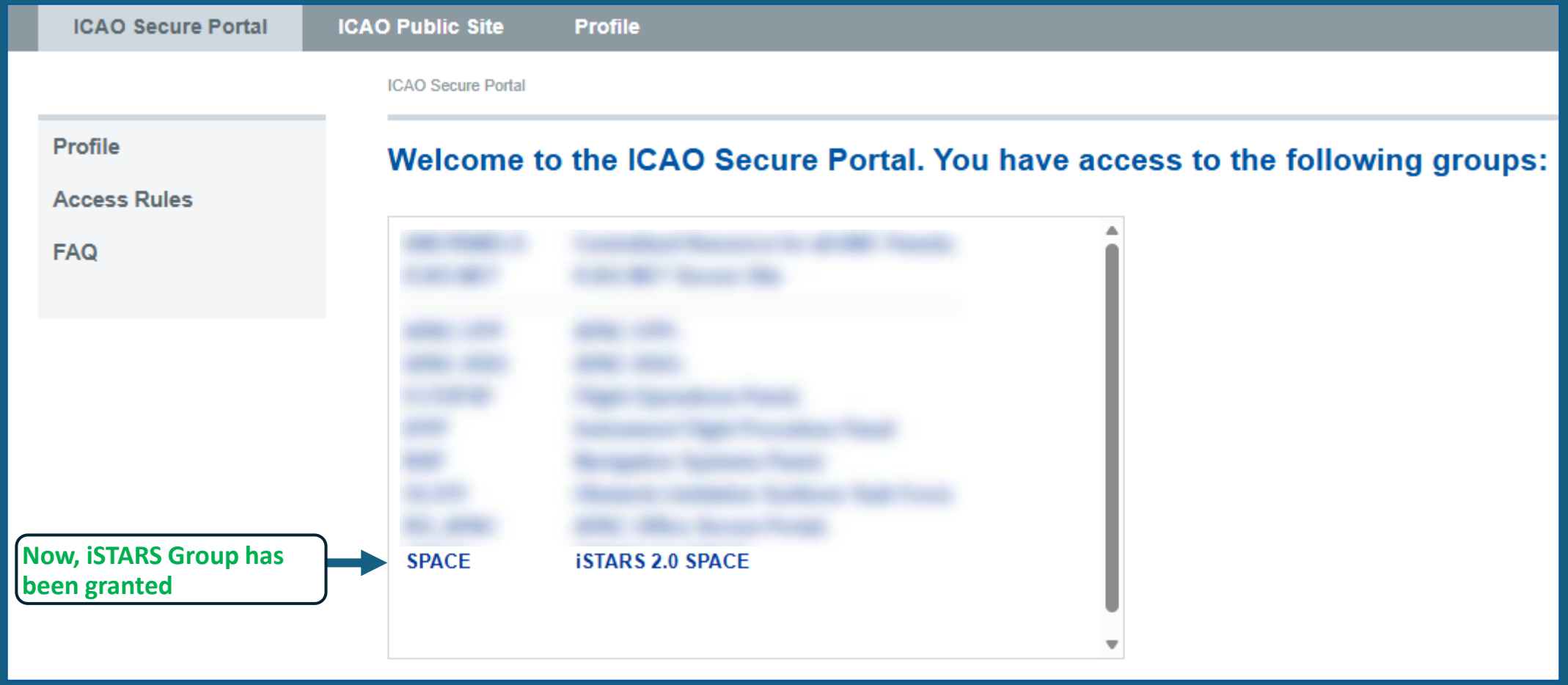






How to join iSTARS Group? (4/4)

Secure Portal Group



How to Get PBN Implementation Info in **iSTARS?**



How to Get PBN Implementation Info in iSTARS? (1/4)

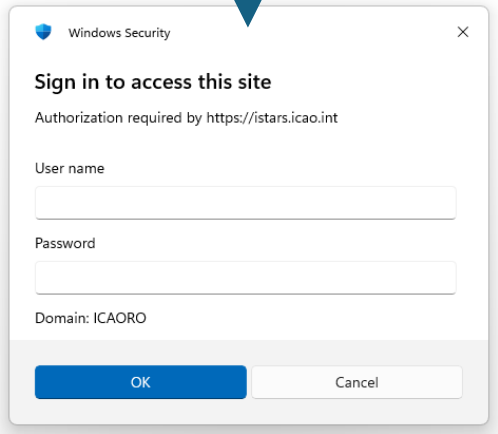
ICAO Secure Portal Account

1. Go to ISTAR Website and **“Login”**

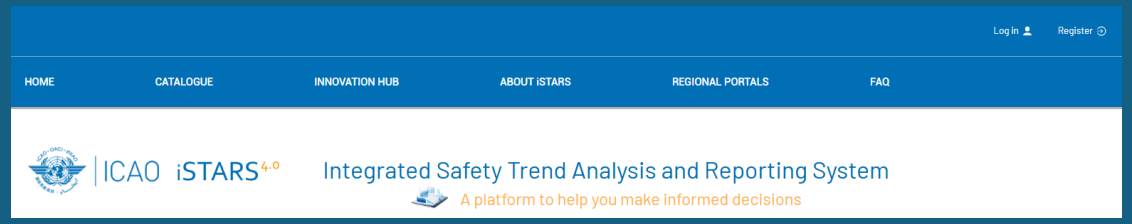
   https://istars.icao.int/Sites

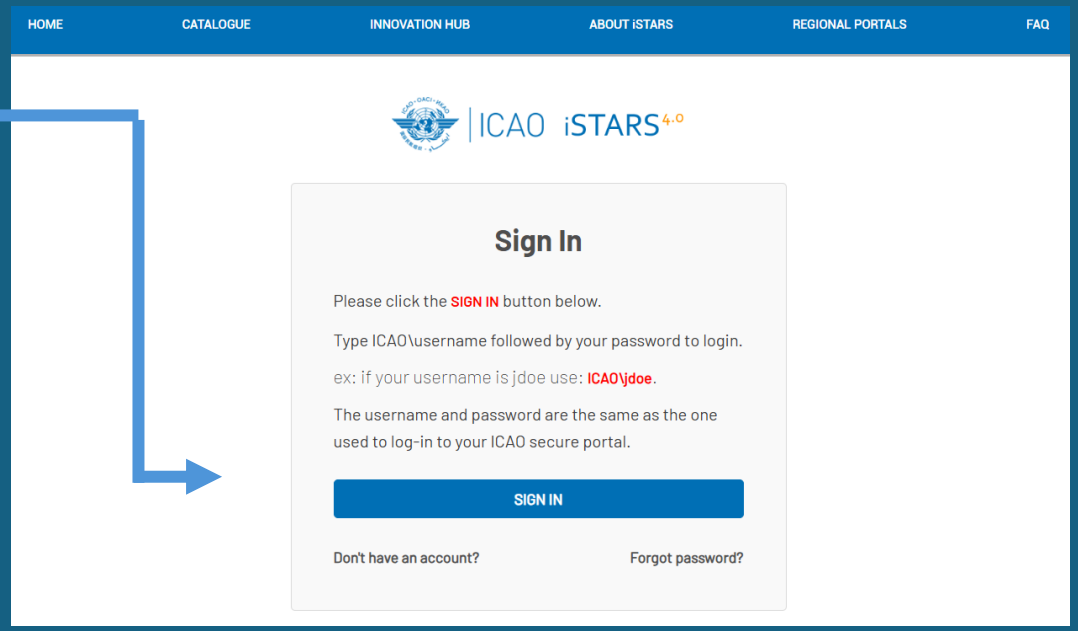
2. Click **“Sign In”**

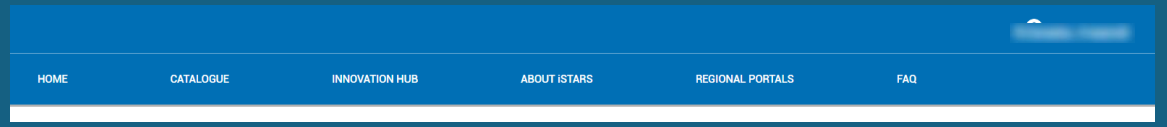
3. Pop up message will appear, then Enter “username” and “Password”



4. You’ve been Logged in Succesfully





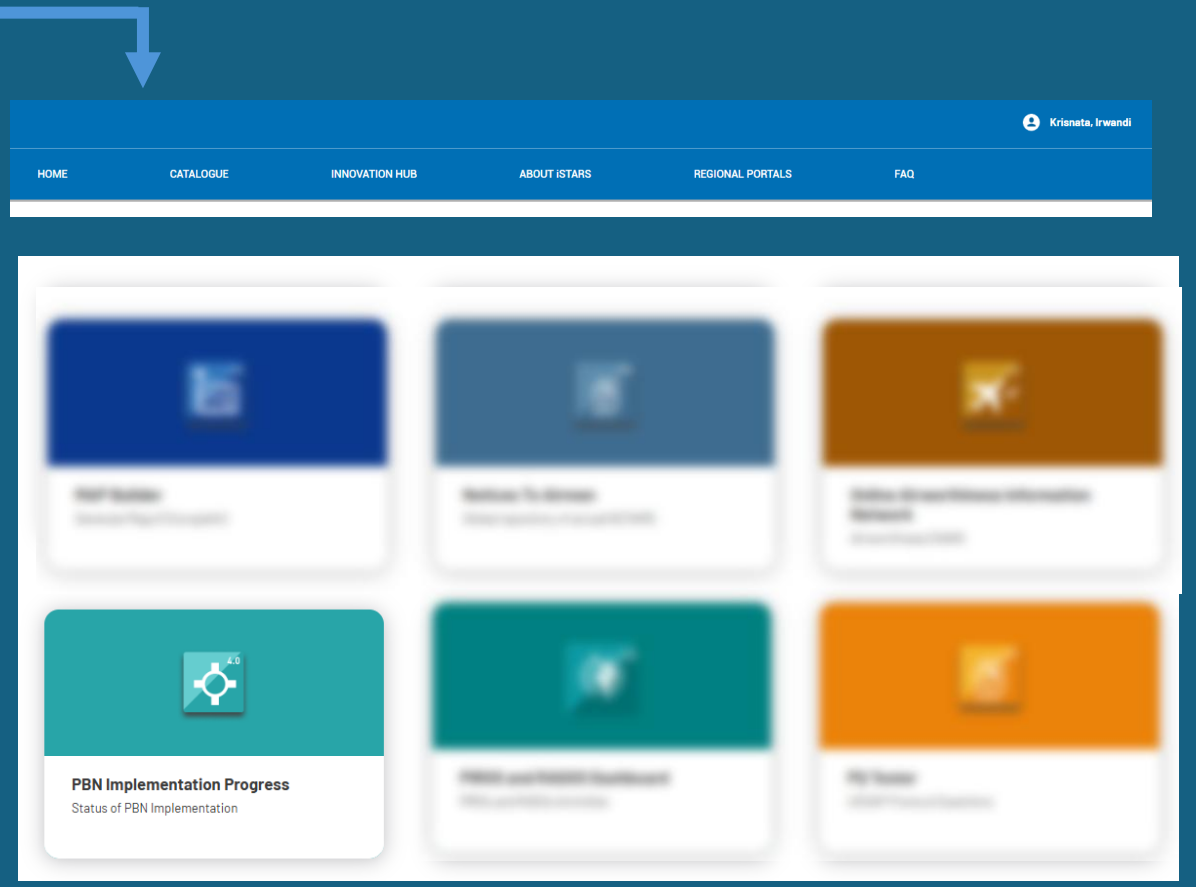


How to Get PBN Implementation Info in iSTARS? (2/4)

iSTARS Catalogue

1. Open **“Catalogue”**

2. Go to **PBN Implementation Progress**, and Click **“Explore”**



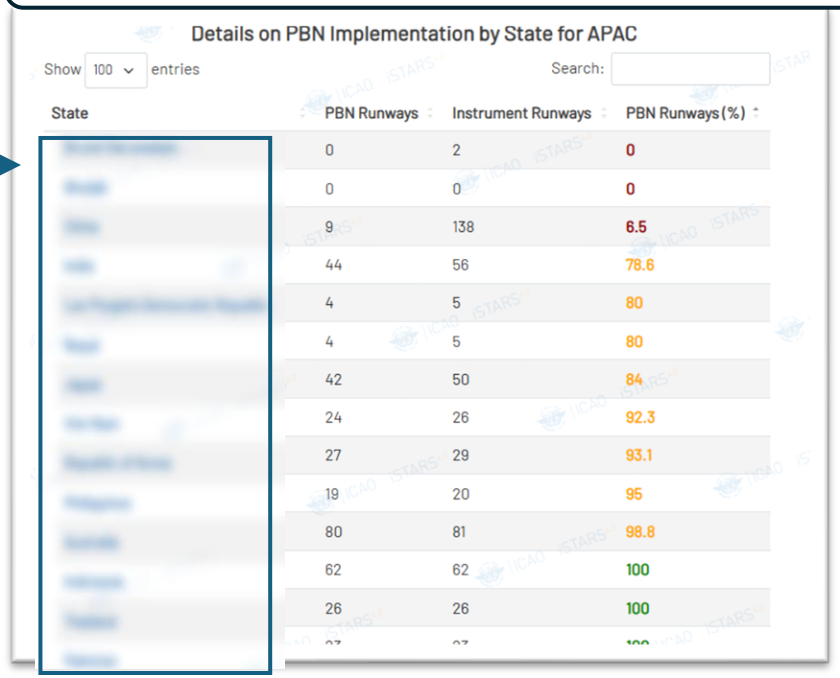
How to Get PBN Implementation Info in iSTARS? (3/4)

PBN **Implementation** Progress

1. Select your

Region or Group (e.g. APAC, SAM)

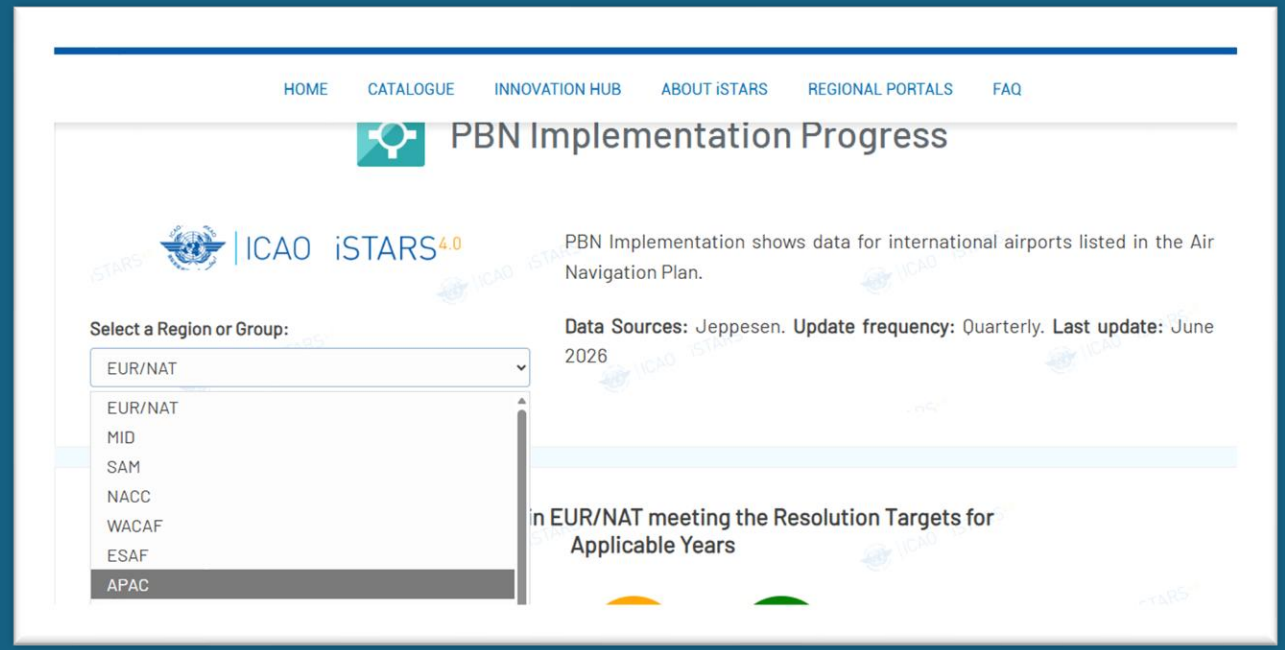
2. Click on your State to see **PBN Implementation Progress**, and scroll down



Details on PBN Implementation by State for APAC

Show 100 entries Search:

State	PBN Runways	Instrument Runways	PBN Runways (%)
[redacted]	0	2	0
[redacted]	0	0	0
[redacted]	9	138	6.5
[redacted]	44	56	78.6
[redacted]	4	5	80
[redacted]	4	5	80
[redacted]	42	50	84
[redacted]	24	26	92.3
[redacted]	27	29	93.1
[redacted]	19	20	95
[redacted]	80	81	98.8
[redacted]	62	62	100
[redacted]	26	26	100





3. **List off Airport** will be appears with font color indicates PBN Implementations

Red : **Not Implemented / Not Fully Implemented**

Green : **has implemented**

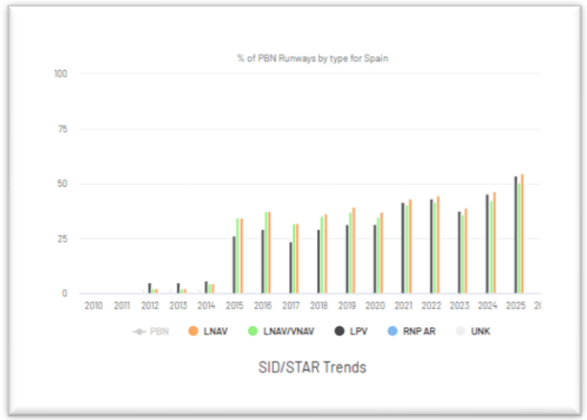
Dark Red : **Could not be implemented** *(commonly due to terrain)*

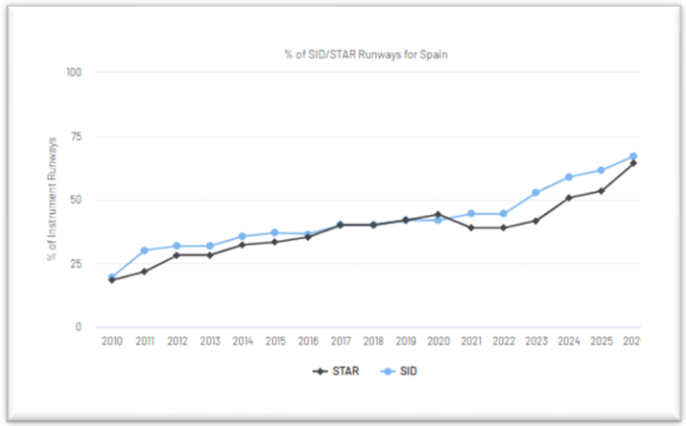
How to Get PBN Implementation Info in iSTARS? (4/4)

PBN **Implementation** Progress

1. Detail of PBN Implementation each airport contains:
   - ✓ **Name of Airport** (Location Indicator)
   - ✓ **PBN Implementation Percentage each airport**
   - ✓ Runway Instruments
   - ✓ **Published PBN Procedure** (LNAV, LNAV/VNAV, LPV, RNP AR, SID, STAR, etc)

2. It also shows **PBN progress Diagram** year per year *(% of PBN Runways by type and % of SID/STAR Runway)*





MELILLA (GEML)

0% PBN Runways (0/0)

	PBN	LNAV	LNAV/VNAV	LPV	RNP AR	Unknown PBN	SID	STAR
RWY 33								
RWY 15								

ALBACETE (LEAB)

0% PBN Runways (0/2)

	PBN	LNAV	LNAV/VNAV	LPV	RNP AR	Unknown PBN	SID	STAR
RWY 9								
RWY 27								

ALICANTE/ALICANTE-ELCHE MIGUEL HERNANDEZ (LEAL)

50% PBN Runways (1/2)

	PBN	LNAV	LNAV/VNAV	LPV	RNP AR	Unknown PBN	SID	STAR
RWY 28	✓	✓	✓	✓			✓	✓
RWY 10							✓	✓

ALMERIA (LEAM)

100% PBN Runways (2/2)

	PBN	LNAV	LNAV/VNAV	LPV	RNP AR	Unknown PBN	SID	STAR
RWY 7	✓	✓	✓	✓			✓	✓
RWY 25	✓	✓	✓	✓			✓	✓

Thank You



ICAO