



ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

A UN SPECIALIZED AGENCY





The GREPECAS Dashboards:

- ✈ They are intended to report, monitor and follow up on the implementation of the different fields in air navigation matters:
 - ✈ Aeronautical Meteorology
 - ✈ Search and Rescue
 - ✈ Communications, Navigation and Surveillance
 - ✈ Aeronautical Information Management
 - ✈ Air Traffic Management

The GREPECAS Dashboards:

- ✈️ Look to serve GREPECAS to support their follow-up to the air navigation implementation progress in the CAR/SAM Regions
- ✈️ They are being implemented under the ICAO iSTARS 4.0 Platform on the Secure Portal

The GREPECAS Dashboards:

- ✈ They will allow the implementation of a measurement system for the State to visualize the current degree of implementation, and the expectations and/or implementation goals, to:
 - ✈ be able to support tasks that require continuous data collection and measurements to establish a data report that is representative;
 - ✈ the implementation status be shown through dynamic and interactive graphics that are available in the Dashboard;
 - ✈ generate ad-hoc reports that will illustrate the data collected in the Dashboard; and
 - ✈ make available for each State access to the secure portal of the GREPECAS Dashboard for its use and reporting.



So, what is in the Dashboard?

GREPECAS iSTARS 4.0 Dashboards



GREPECAS x +

portal.icao.int/GREPECAS/Pages/default.aspx

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SharePoint Lopez, Claudia

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ICAO Secure Portal > GREPECAS

GREPECAS

KPIs Dashboard

GREPECAS



CAR/SAM Regional Planning and Implementation Group
Grupo Regional de Planificación y Ejecución CAR/SAM
GREPECAS
Air Navigation Dashboards



Glossary

SAR

CNS

AIM

ATM

Implemented Status

State Name	IWXXM	MET QMS Certified	MET QMS Implemented
Antigua and Barbuda	0% ●	0% ●	0% ●
Bahamas	0% ●	0% ●	0% ●
Barbados	0% ●	0% ●	0% ●
Belize	0% ●	0% ●	100% ●
Costa Rica	0% ●	0% ●	0% ●
Cuba	100% ●	100% ●	100% ●
Dominica	0% ●	0% ●	0% ●
Dominican Republic	0% ●	0% ●	100% ●
El Salvador	0% ●	0% ●	100% ●
Grenada	0% ●	0% ●	0% ●
Guatemala	0% ●	0% ●	0% ●
Haiti	0% ●	0% ●	0% ●
Honduras	0% ●	0% ●	0% ●
Jamaica	0% ●	0% ●	100% ●
Mexico	0% ●	100% ●	100% ●
Nicaragua	0% ●	100% ●	100% ●
Saint Kitts and Nevis	0% ●	0% ●	0% ●
Saint Lucia	0% ●	0% ●	0% ●
Saint Vincent and the Grenadines	0% ●	0% ●	0% ●
Trinidad and Tobago	0% ●	0% ●	100% ●
United States	100% ●	0% ●	100% ●
CAR Region	10%	14%	43%

Implemented Status

State Name	IWXXM	MET QMS Certified	MET QMS Implemented
Argentina	100% ●	100% ●	100% ●
Bolivia	0% ●	0% ●	100% ●
Brazil	100% ●	0% ●	100% ●
Chile	0% ●	100% ●	100% ●
Colombia	0% ●	100% ●	100% ●
Ecuador	0% ●	0% ●	0% ●
Guyana	100% ●	0% ●	100% ●
Panama	0% ●	100% ●	100% ●
Paraguay	100% ●	100% ●	100% ●
Peru	0% ●	100% ●	100% ●
Suriname	0% ●	0% ●	0% ●
Uruguay	0% ●	0% ●	0% ●
Venezuela	0% ●	0% ●	0% ●
SAM Region	31%	46%	69%

Legend	
Not Implemented =0%	●
In Progress 0%-100%	●
Implemented =100%	●



Glossary

MET

SAR

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AIDC and AMHS Status

Component State Name	AIDC			AMHS		
	Planned	Implemented	Progress	Planned	Implemented	Progress
Antigua and Barbuda	1	0	0.00%	1	0	0.00%
Bahamas	1	0	0.00%	1	1	100.00%
Barbados	1	0	0.00%	1	1	100.00%
Belize	4	0	0.00%	1	1	100.00%
Costa Rica	3	0	0.00%			
Cuba	8	2	25.00%	1	1	100.00%
Dominica	1	0	0.00%	1	0	0.00%
Dominican Republic	3	1	22.33%	1	1	100.00%
El Salvador	4	1	25.00%			
Grenada	1	0	0.00%	1	0	0.00%
Guatemala	4	1	25.00%			
Haiti	4	0	0.00%	1	0	0.00%
Honduras	5	0	0.00%			
Jamaica	1	0	0.00%	1	1	100.00%
Mexico	3	1	20.00%	1	1	100.00%
Nicaragua	4	1	25.00%			
Saint Kitts and Nevis	1	0	0.00%	1	0	0.00%
Saint Lucia	1	0	0.00%	1	0	0.00%
Saint Vincent and the Grenadines	1	0	0.00%	1	0	0.00%
Trinidad and Tobago	5	0	0.00%	1	1	100.00%
United States	17	11	66.47%	1	1	100.00%
CAR Region	73	18	9.94%	16	9	56.25%

AIDC and AMHS Status

Component State Name	AIDC			AMHS		
	Planned	Implemented	Progress	Planned	Implemented	Progress
Argentina	17	0	0.00%	8	7	87.50%
Bolivia	6	0	0.00%	3	3	100.00%
Brazil	25	9	36.00%	14	14	100.00%
Chile	11	2	18.20%	2	2	100.00%
Colombia	13	4	30.70%	5	5	100.00%
Ecuador	3	3	100.00%	3	3	100.00%
Guyana	4	0	0.00%	4	3	75.00%
Panama	6	2	33.00%	2	2	100.00%
Paraguay	3	0	0.00%	2	2	100.00%
Peru	6	3	50.00%	7	7	100.00%
Suriname	4	0	0.00%	2	2	100.00%
Uruguay	5	0	0.00%	2	2	100.00%
Venezuela	6	0	0.00%	11	10	90.90%
SAM Region	109	23	20.61%	65	62	96.42%



Glossary

MET CNS ATM AIM

Search and Rescue Implementation

Status
 ● No
 ● Yes



Contingency Planning

Status
 ● No
 ● Yes



Search and Rescue Implementation

State Name	No	Yes
Antigua and Barbuda	✗ No	✓ Yes
Bahamas	✗ No	✓ Yes
Barbados	✗ No	✓ Yes
Belize	✓ Yes	
Costa Rica	✓ Yes	
Cuba	✓ Yes	
Dominica	✗ No	
Dominican Republic	✓ Yes	
El Salvador	✓ Yes	
Grenada	✗ No	
Guatemala	✓ Yes	
Haiti	✗ No	
Honduras	✓ Yes	
Jamaica	✓ Yes	
Mexico	✓ Yes	
Nicaragua	✓ Yes	
Saint Kitts and Nevis	✗ No	
Saint Lucia	✗ No	
Saint Vincent and the Grenadines	✗ No	
Trinidad and Tobago	✗ No	
United States		✓ Yes

Contingency Planning

State Name	No	Yes
Antigua and Barbuda		✓ Yes
Bahamas	✗ No	
Barbados	✗ No	
Belize	✓ Yes	
Costa Rica	✓ Yes	
Cuba	✓ Yes	
Dominica	✗ No	
Dominican Republic	✓ Yes	
El Salvador	✓ Yes	
Grenada	✗ No	
Guatemala	✓ Yes	
Haiti	✓ Yes	
Honduras	✓ Yes	
Jamaica	✓ Yes	
Mexico	✓ Yes	
Nicaragua	✓ Yes	
Saint Kitts and Nevis	✗ No	
Saint Lucia	✗ No	
Saint Vincent and the Grenadines	✗ No	
Trinidad and Tobago	✗ No	
United States	✗ No	

SAR data is currently only available for the CAR Region



CAR

SAM

Glossary

SAR

MET

CNS

AIM

PBN SID

State Name	PBN STAR	PBN SID	APV	ATFM
Honduras	70%	63%	81%	33%
Haiti	67%	58%	79%	0%
Dominican Republic	58%	73%	2%	62%
Cuba	57%	57%	75%	77%
Guatemala	51%	0%	49%	42%
Belize	50%	0%	50%	58%
Costa Rica	44%	44%	43%	42%
United States of America	40%	52%	84%	92%
Nicaragua	25%	0%	0%	58%
Mexico	18%	19%	8%	77%
Antigua and Barbuda	0%	0%	0%	58%
Bahamas	0%	74%	100%	50%
Barbados	0%	57%	86%	33%
Dominica	0%	93%	0%	33%
El Salvador	0%	14%	48%	50%
Grenada	0%	0%	0%	33%
Jamaica	0%	27%	86%	62%
Saint Kitts and Nevis	0%	70%	0%	42%
Saint Lucia	0%	0%	62%	42%
Saint Vincent and the Grenadines	0%	33%	0%	42%
Trinidad and Tobago	0%	0%	50%	62%
CAR Region	23%	35%	43%	50%



CAR

SAM

Glossary

SAR

MET

CNS

AIM

State Name	PBN STAR	PBN SID	APV	AFTM
Chile	72%	59%	68%	100%
Colombia	51%	48%	35%	100%
Peru	45%	22%	28%	100%
Argentina	44%	31%	43%	100%
Brazil	43%	81%	84%	100%
Panama	32%	21%	52%	100%
Paraguay	25%	46%	93%	100%
Ecuador	25%	39%	47%	100%
Uruguay	9%	7%	14%	100%
Venezuela	3%	80%	90%	100%
Bolivia	3%	31%	14%	0%
Guyana	0%	0%	45%	0%
Suriname	0%	0%	36%	0%
SAM Region	27%	36%	50%	77%


ICAO GREPECAS iSTARS 4.0
AERONAUTICAL INFORMATION MANAGEMENT (AIM)


CAR

SAM

Glossary

SAR

MET

CNS

ATM

Implemented Status

State Name	AIM QMS	eAIP Action Plan	eAIP Operational	eAIP Software	eTOD Area 1	eTOD Area 2	eTOD Area 2b 1.2%	eTOD Area 4	eTOD Limiting surface
Antigua and Barbuda	100% ●	0% ●	0% ●	100% ●					
Bahamas	100% ●	0% ●	100% ●	0% ●	0% ●	100% ●			
Barbados	0% ●	100% ●	100% ●	0% ●	0% ●	100% ●	0% ●	0% ●	100% ●
Belize	100% ●	0% ●	100% ●	0% ●	0% ●	100% ●			
Canada	100% ●	0% ●	100% ●	100% ●					
Costa Rica	100% ●	0% ●	100% ●						
Cuba	100% ●	0% ●	0% ●	100% ●					
Dominica	100% ●	0% ●							
Dominican Republic	100% ●	0% ●	0% ●	0% ●	100% ●				
El Salvador	100% ●	0% ●	100% ●						
Grenada	100% ●	0% ●							
Guatemala	100% ●	0% ●	100% ●						
Haiti	0% ●								
Honduras	100% ●	0% ●							
Jamaica	100% ●	0% ●	0% ●	100% ●					
Mexico	100% ●	0% ●	0% ●	100% ●	100% ●				
Nicaragua	100% ●	0% ●	100% ●						
Saint Kitts and Nevis	100% ●	0% ●	100% ●						
Saint Lucia	100% ●	0% ●	100% ●						
Saint Vincent and the Grenadines	100% ●	0% ●	100% ●						
Trinidad and Tobago	100% ●	0% ●	0% ●	100% ●					
United States	100% ●								
CAR Region	91%	95%	95%	91%	36%	41%	5%	14%	82%

Legend

- Not Implemented = 0% ●
- Implemented = 100% ●
- In Progress 0%-100% ●


ICAO GREPECAS iSTARS 4.0
AERONAUTICAL INFORMATION MANAGEMENT (AIM)


CAR

SAM

Glossary

SAR

MET

CNS

ATM

Implemented Status

State Name	AIM QMS	eAIP Action Plan	eAIP Operational	eAIP Software	eTOD Area 1	eTOD Area 2A	eTOD Limiting surface	eTOD Trajectory 1.2%
Argentina	100% ●	100% ●	0% ●	100% ●				
Bolivia	0% ●	0% ●	0% ●	100% ●	0% ●	0% ●	100% ●	0% ●
Brazil	100% ●	100% ●	100% ●	0% ●	100% ●			
Chile	100% ●	100% ●	0% ●	100% ●				
Colombia	100% ●	20% ●	0% ●	0% ●	0% ●			
Ecuador	0% ●							
Guyana	0% ●							
Panama	100% ●	20% ●	100% ●	100% ●	0% ●			
Paraguay	100% ●							
Peru	100% ●	100% ●	0% ●	100% ●	0% ●			
Suriname	0% ●							
Uruguay	100% ●	0% ●	0% ●	100% ●	50% ●	50% ●	0% ●	50% ●
Venezuela	0% ●	100% ●	100% ●	0% ●	50% ●	100% ●	100% ●	100% ●
SAM Region	62%	62%	38%	62%	48%	50%	54%	42%

Legend

- Not Implemented = 0% ●
- In Progress = 0%-100% ●
- Implemented = 100% ●



SAR

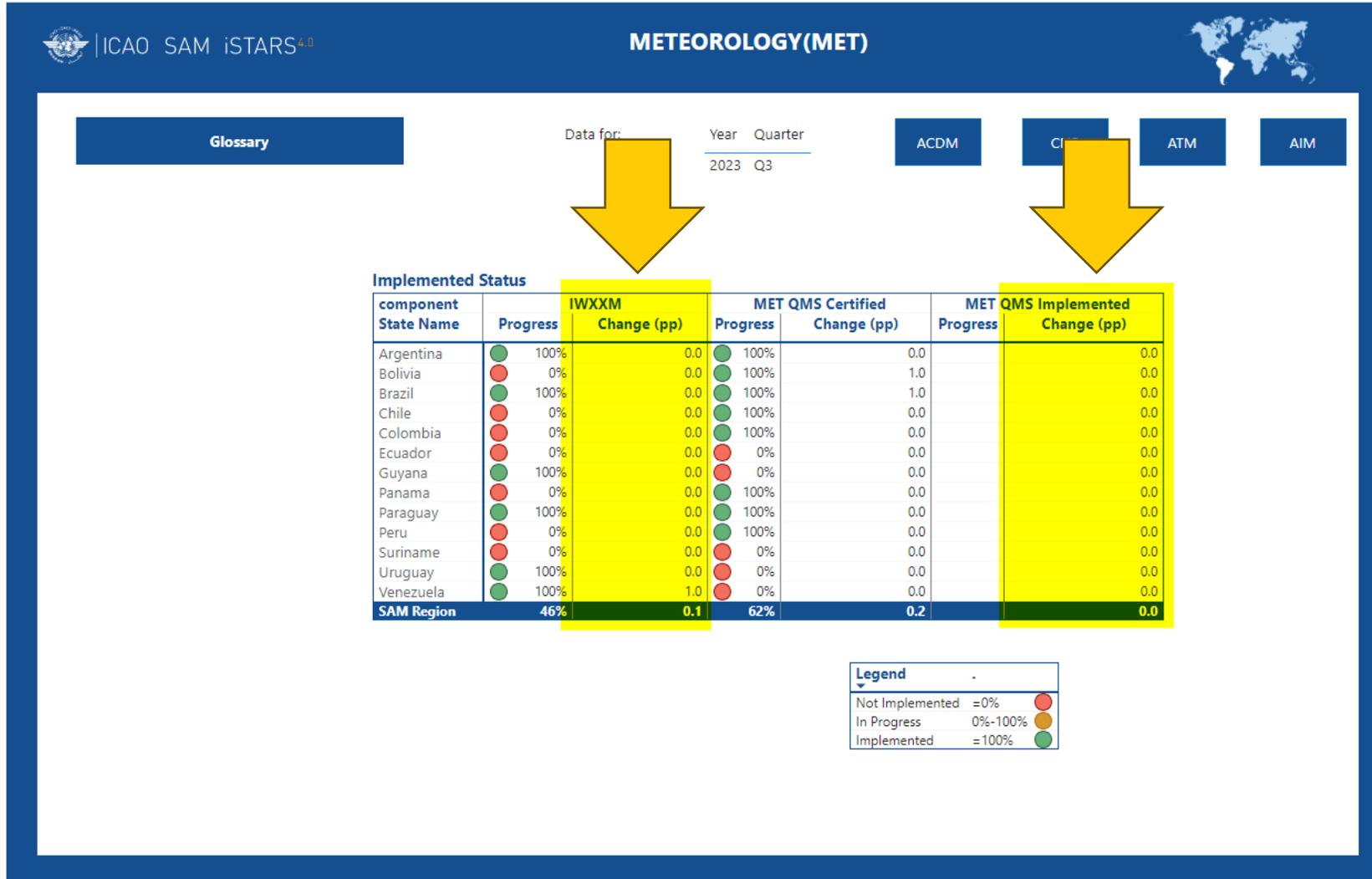
MET

CNS

ATM

AIM

Short Name	Full Name
AIDC	Air Traffic Services Inter-Facility Data Communication
AIM QMS	Aeronautical Information Management Quality Management System
AMHS	ATS Message Handling System
APV	Approach Procedure and Vertical Guidance
ATFM	Air Traffic Flow Management
eAIP Action Plan	Electronic Aeronautical Information Publication Action Plan
eAIP Operational	Electronic Aeronautical Information Publication Operational
eAIP Software	Electronic Aeronautical Information Publication Software
eTOD Area 1	Electronic Terrain and Obstacle Data Area 1
eTOD Area 2	Electronic Terrain and Obstacle Data Area 2
eTOD Area 2b 1.2%	Electronic Terrain and Obstacle Data Area 2b-1.2%
eTOD Area 4	Electronic Terrain and Obstacle Data Area 4
eTOD Limiting surface	Electronic Terrain and Obstacle Data Limiting surface
IWXXM	ICAO meteorological information exchange model
MET QMS Certified	Meteorological Quality Management System Certified
MET QMS Implemented	Meteorological Quality Management System Implemented
PBN SID	Performance-Based Navigation Standard Instrument Departure
PBN STAR	Performance-Based Navigation Standard Instrument Arrival



Progress will be tracked periodically using the data provided by States and/or each Regional Office

States' Involvement in the Dashboard Process

✈️ ICAO is in the process of enabling a platform for State Focal Points to enter data to keep the Dashboards up to date

Select a State

Select Area

Show entries

Search:

Essential service	Standard	Description	Status	State' Level of Compliance	State' Comments
Aero. Climatological Information	8.1 Note	Aeronautical climatological information delegated	N/A	<input type="text" value="Category A"/> <input type="button" value="Confirm"/> <input type="button" value="Cancel"/>	<input type="text" value="This standard"/> <input type="button" value="Confirm"/> <input type="button" value="Cancel"/>

Regional Office Validation

✈ The Regional Officers will have a pre-defined period to review and approve the data provided by states

Select a State

Select Area

Show entries

Search:

Essential service	Standard	Description	Status	State' Level of Compliance	State' Comments
Aero. Climatological Information	8.1 Note	Aeronautical climatological information delegated	N/A	<input type="text" value="Category A"/> <input type="button" value="Confirm"/> <input type="button" value="Cancel"/>	<input type="text" value="This standard"/> <input type="button" value="Confirm"/> <input type="button" value="Cancel"/>

The Meeting is invited to:

- ✈ take note of the current indicators and data and support the Secretariat on the provision of current data for the dashboards
- ✈ follow-up on GREPECAS implementation and performance goals
- ✈ take note of the tasks and work conducted for developing this Dashboard, its procedures and other aspects for its operation;
- ✈ support any other action required from States, and other interested parties; and
- ✈ register PoCs to the GREPECAS Dashboard site on the ICAO Secure Portal at:
 - ✈ <https://portal.icao.int/>
 - ✈ Portal Group: GREPECAS



Thank You!