



ICAO

UNITING AVIATION

SWIM Programme Status

Saulo Da Silva

Chief, Air Navigation Implementation
Planning and Support Section

ICAO-HQ



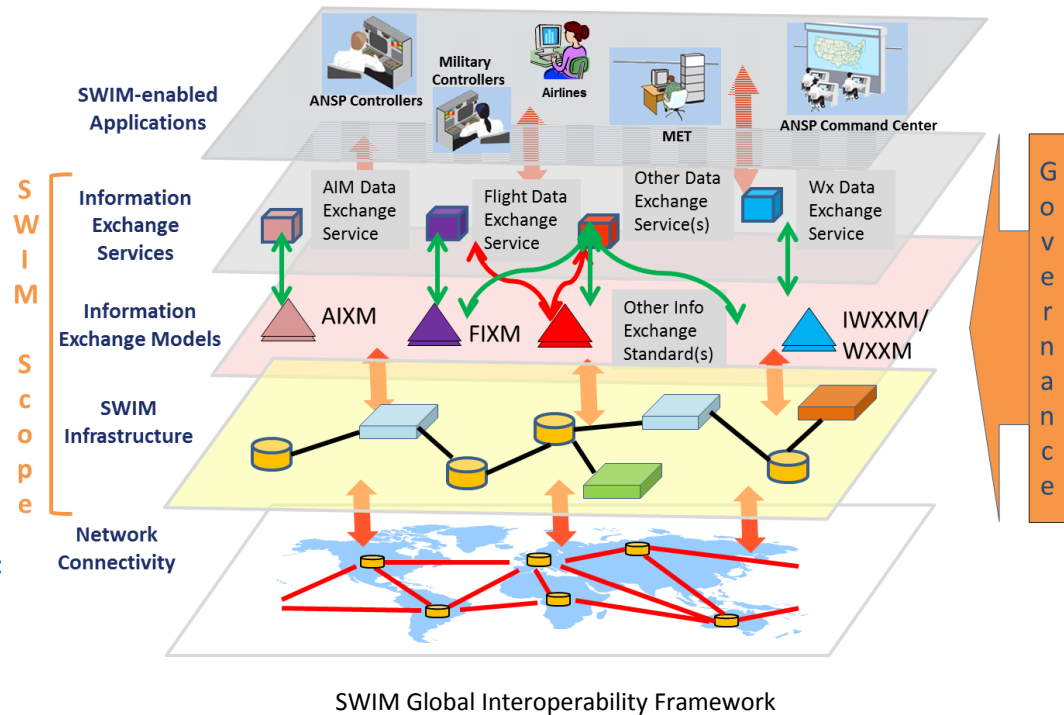
Vision

To achieve an interoperable global air traffic management system **for all users** during all phases of flight, that

- meets agreed levels of safety;
- provides for optimum economic operations;
- is environmentally sustainable; and
- meets national security requirements.

System Wide Information Management (SWIM)

- SWIM is an integral part of the *Global Air Navigation Plan (GANP)* (Doc 9750) and is covered in a number of the aviation system block upgrades (ASBU) modules
- The *Manual on Air Traffic Management System Requirements* (Doc 9882) explicitly identifies the implementation of SWIM as a requirement for the future ATM System
- The *Manual on SWIM Concept* (Doc 10039) provides a vision for interoperable global information management while addresses the transition to a **mixed operational environment**





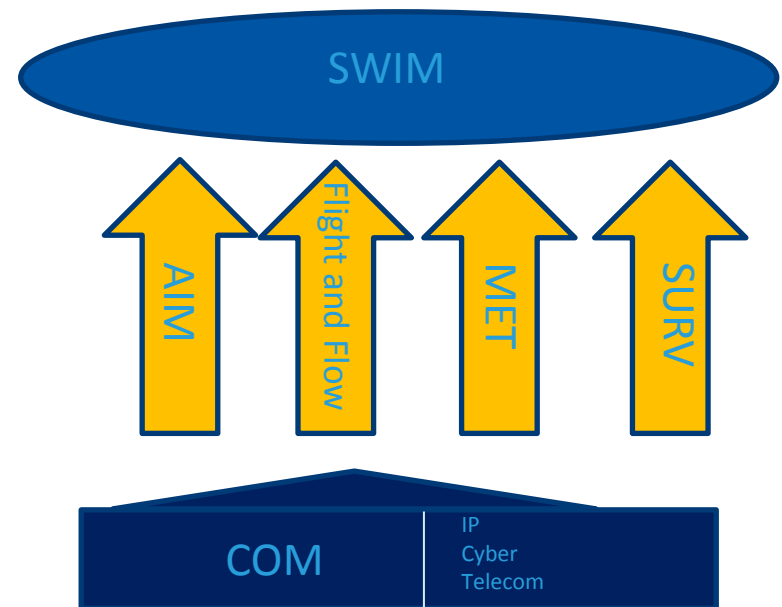
Overview of Status of work

- Work done so far by ATMRPP:
 - SWIM operational concept developed (advance copy Doc 10039 available)
 - A/G components to be added to the concept
- Information Management Panel established (ANC 194th session)
 - Building Global SWIM
 - Assisting Secretariat as focal point for integration of all its components
- SWIM enablers being worked out by various Panels (ATMRPP, CP, and METP)
- Initial workshops, mini global demonstrations taking place in the Regions

SWIM: A multidisciplinary approach

- All enablers need to be developed with greater SWIM goal in mind
 - SWIM is multidisciplinary effort, needs to be treated like a programme

ICAO SWIM programme office being established to coordinate efforts





SWIM Benefits

- **Airspace user**
 - better access and equity
 - greater autonomy
 - better business
 - increased safety
- **Service provider**
 - real-time data
 - trend analysis and predictive data
 - range of automated decision-making tools
 - optimized services
- **Regulator**
 - **Improved safety**



SWIM Programme office

- Develop the long term vision
- Develop intermediate and short term goals
- Establish concrete usage for different scenarios
- Ensure harmonized implementation
 - Mitigate current proliferation
 - Establish RO focal points for coordinated roll-out



SWIM Program Near Term Task List

Task Name	2015				2016				2017				2018			
	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct	Jan	Apr	Jul	Oct
Air Navigation Conference 2018																I
Information Management Symposium												I				
SWIM Fine Tuning																
SWIM Governance																
SWIM Architecture																
SWIM Services																
Information Management Awareness																
Information Management Task List																
Gap Analysis																
Milestones																

Near term task list determines:

- a) Any necessary adjustments to work programmes on AIM, MET, Flight and Flow
- b) Sets the basis for global implementation strategy



Deliverables

- New rules and services associated to extended flight plan (FF-ICE) – 2018
- Requirements for MET digital information - 2018
- Exchange models – 2018
- Provisions for services using SWIM – 2020
- Provisions for communications to support SWIM - 2020
- WP



ICAO

UNITING AVIATION



ICAO

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