



## Summary of Discussions

### First Meeting of SWIM Project Team (SWIM PT/1)

Brussels, Belgium

27 September 2018

#### Opening

The first meeting of the ICAO EUR System Wide Information Management Project Team (SWIM PT/1) was held in Brussels, Belgium on 27 September 2018. Fifty-three participants from twenty-four States, five International Organizations and two Industries attended the meeting. A list of participants is provided at **Appendix A** and contact information provided at **Appendix B**.

Mr. Dennis Hart, Head of System Wide Information Management (SWIM) Unit – EUROCONTROL, opened the Team meeting noting that SWIM implementation was part of the Aviation System Block Upgrade methodology Blocks 2 and 3 (2023 – 2028) and that the immediate focus should be on implementing prerequisites of SWIM (e.g. exchange models, reference models). He wished the Team success and gave the participants a warm welcome to EUROCONTROL.

Mr. Frédéric Lecat, in charge of the SOA (Service Oriented Architecture) and SWIM implementation for DSN France, was nominated and supported by the Project Team as Chair of the meeting, while Mr. Christopher Keohan, Regional Officer ICAO EUR/NAT Office and Mr. Abbas Niknejad, Regional Officer ICAO MID Office acted as Secretariats.

#### Provisional Agenda

The Team adopted the Provisional Agenda and agreed to include the election of Chair to the Agenda as provided at **Appendix C**.

#### Global developments – Information Management Panel

The Team was provided with an update on the developments related to SWIM that included: the definition of SWIM; SWIM evolution concept versus immediate perfection; regional developments considered at the global level; development of global guidance *Manual on System Wide Information Management (SWIM) Concept* (ICAO Doc 10039) in two parts (concept and manual); PANS-SWIM plans; undetermined role of ICAO in prescribing how aviation information will be exchanged; prerequisites of SWIM (e.g. information exchange models, reference models); and timeline of upcoming SWIM provisions.

Expanding on the timeline of upcoming SWIM provisions, the following was provided:

- |   |               |
|---|---------------|
| • GANP/ASBU                               | mid-2019      |
| • Manual on SWIM Concept (ICAO Doc 10039) | early-2020*   |
| • PANS-SWIM                               | November 2022 |

*\*this time estimate is for VOL II (manual part pertaining to implementation), it is not known when VOL I (concept part) will become available.*

### Draft Terms of Reference and Membership

The subject was addressed by WP/02, presented by the ICAO SWIM PT Secretariat. The Team was provided with a draft Terms of Reference and Membership of the EUR SWIM Project Team as well as a summary of activities related to the establishment of this Project Team.

In addition, WP/03 presented by the ICAO AFSG Secretariat provided a proposal to include a task for the SWIM PT to *manage the transition in the EUR Region from currently deployed services to SWIM, ensuring operational continuity according to user requirements.*

In discussing the inclusion of the task, the Team agreed that the SWIM Project Team was not in a position to make such a decision. Recognizing that: communication infrastructure is indeed a crucial pre-requisite for SWIM among others (implementation of exchange models, datasets, etc.), the Team discussed the possible ways to take into consideration the transition issues from AMHS to IP-based SWIM Services, as raised by WP/03. It was noted that there would be a proposal for an updated TORs of AFSG at the next COG/72 meeting (Paris, 23-26 October 2018), and that as a result, the COG will assign the responsible body to follow-up on the transition.

After an evaluation of the two possible scenarios, the SWIM PT recommended that in case the COG assigns AFSG as the responsible body to handle the transition to IP-based SWIM Services, a liaison is established between the two groups. In case of hand-over of the task related to the transition to SWIM PT, the membership of the SWIM PT should be extended to include the relevant expertise in order to be capable of supporting the transition (AMHS profiles, transition scheme from AMHS to IP-based SWIM Services, ensuring operational continuity, etc.).

The Team reviewed and amended the draft Terms of Reference of the EUR SWIM PT as provided at **Appendix D**, which will be presented to the COG72 RCOG09 for endorsement. Concern was raised by the Team regarding the inclusion of some entities in the membership that were not at the same level as ICAO and that this should be clarified by ICAO if this is acceptable or not.

### Work Programme

The Team developed a draft work programme as provided at **Appendix E**, which will be provided to the COG/72 RCOG/09 for endorsement after the first SWIM PT WebEx review (scheduled on 9 Oct 2018 from 1130-1330 UTC).

The Team noted some variability related to the mechanisms of project funding and assistance to the States since this mechanism is in place in the ECAC footprint (e.g. synchronization of projects through Single European Sky ATM Research (SESAR) Deployment Manager (SDM), use of Local Single Sky Implementation (LSSIP) to target support for particular States). The Team agreed that existing mechanisms would not be duplicated and gathering information outside of the ECAC footprint would be needed to complete a needs assessment for the ICAO EUR Region.

In analyzing the potential gaps in assistance, the Project Team recognized that limited resources at hand would probably not allow to deliver sufficient guidance/assistance to the Stakeholders in need, but it was expected that in the long term a needs-capabilities matrix would help identify those stakeholders (Standard Developing Organisations (SDO), Champion States, Industry, etc.) in the European SWIM ecosystem able to fill the gaps. As a result, the Team agreed that one efficient way to fulfill the terms of reference would consist of building a needs-capabilities matrix in the EUR Region about SWIM implementation. Stakeholders in need are therefore invited to contribute to the collection

of needs, while others are invited to inform the Project Team about their capabilities (expertise, assistance, training delivery, etc.).

Another concern raised was the risk associated with the implementation of SWIM in that there were certain dependencies on some existing elements/services such as European AIS Database (EAD). The SWIM PT agreed to help document and focus these issues and bring them to the relevant bodies for further investigation.

#### Future activities

The Team agreed to the following future SWIM PT activities:

- WebEx-1                    9 Oct 2018 – 1130-1330 UTC (finalize draft work programme, discuss needs & capabilities of States);
- WebEx-2                    Nov 2018 – time *tbd* (initial definition of SWIM prerequisites; needs & capabilities; confirm date/venue of SWIM PT/2 with preference to have next to PT/EAST of METG meeting);
- WebEx-3                    Mar 2019 – time *tbd* (needs & capabilities; prepare for SWIM PT/2); and
- SWIM PT/2                June 2019 – review needs & capabilities as well as define prerequisites of SWIM and mechanism to monitor and report implementation of these prerequisites.

#### Closing

The meeting closed at 16:00 on 27 September 2018 and gave special thanks to the host, EUROCONTROL.

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Brussels, 27 September 2018

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**FIRST MEETING OF SWIM PROJECT TEAM (SWIM PT/1)**

(EUROCONTROL, Brussels, 27 September 2018)

**Agenda**

<b>Time</b>	<b>Item</b>
09:00 – 10:00	<i>Registration</i>
10:00 – 10:30	<b>Welcome and opening of the meeting:</b> <ul style="list-style-type: none"><li>• Purpose and conduct of the Meeting</li><li>• Adoption of the provisional agenda</li><li>• Election of Chair</li></ul>
10:30 – 11:15	<b>Review of draft TORs:</b> <ul style="list-style-type: none"><li>• Tasks</li><li>• Membership</li></ul>
11:15 – 11:30	<i>Coffee break</i>
11:30 – 13:00	<b>Review of draft TORs (Cont'd)</b> <b>Development of draft Work Programme</b> considering TORs, including: <ul style="list-style-type: none"><li>• Tasks to be completed in 2019</li><li>• Optimum method to complete tasks</li></ul>
13:00 – 14:00	<i>Lunch break</i>
14:00 – 15:15	<b>Development of draft Work Programme (Cont'd)</b>
15:15 – 15:30	<i>Coffee break</i>
15:30 – 16:00	<b>Wrap-up of SWIM PT/1 Future Work Programme</b>

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## APPENDIX D - SYSTEM WIDE INFORMATION MANAGEMENT PROJECT TEAM (SWIM PT)

**Establishment**            **2018** – COG/72 RCOG/09 Conclusion XX

### Terms of reference

The System Wide Information Management Project Team (SWIM PT) is established by EASPG to coordinate and pursue with the planning and implementation of SWIM in the ICAO European Region in line with the Global Air Navigation Plan (GANP) and other relevant global provisions with the following TORs:

- a) Monitor and take into consideration global, inter-regional and regional developments as well as consider best practices and initiatives in SWIM implementation;
- b) Develop and maintain EUR SWIM implementation roadmap considering the GANP and global SWIM provisions;
- c) Liaise with relevant regional contributory bodies involved in SWIM planning and implementation in the EUR Region, including e.g. AFSG, METG, EUROCONTROL AIM/SWIM Team, SESAR Deployment Manager and European Standards Development Organisations for SWIM;
- d) Identify SWIM prerequisites and monitor the status of SWIM implementation in the EUR Region;
- e) Ensure that the implementation of SWIM is coherent in the EUR Region;
- f) Promote SWIM in the EUR Region;
- g) Identify and review issues, challenges and risks in SWIM implementation in the EUR Region, and recommend necessary actions;
- h) Identify assistance needs including training, implementation support, etc. and recommend, where possible, guidance and training material and appropriate assistance;
- i) Provide regular progress reports to the EASPG and/or COG/RCOG concerning its work programme; and
- j) Consider other issues as directed by the EASPG and/or COG/RCOG.

### Composition of the SWIM PT

ICAO EUR States, EUROCONTROL, European Commission, EASA, IATA, ICCAIA, IFAIMA, IFALPA, IFATCA, IFATSEA, CANSO, EUROCAE, CEN/CENELEC, SDM, WMO and other relevant aviation stakeholders.

The SWIM Project Team may invite other States and international organizations as observers when deemed warranted.

### SWIM PT draft Work Programme

1	Topics/Tasks	Owner	Method	Planned Start	Planned Completion	Remarks/Dependencies	Traceability to TOR
2	Consider best practices Consider initiatives & communities	ICAO Paris	Survey of pioneers/CANSO/SDO/IATA (compendum) & SDM IP Collect from members Coordinate with other regions through Secretary	Jan 2019	Continuous (first delivery SWIM PT/2)		a
3	Definition of prerequisites to SWIM Develop and maintain a regional roadmap for SWIM services (ATM, AIM, MET, other) and prerequisites Distinguish objectives (e.g. GANP) and regulatory mandates and their area of applicability	SWIM PT	Secretary/Chair and members through email/WebEx Review by SWIM PT/2	Nov 2018	SWIM PT/2 (draft) SWIM PT/3 (final, linked to IMP Deliverables)	-Revised 2019 GANP -MET SWIM Roadmap -IMP Deliverables (Manual on SWIM Volume II) (tbc)	b, d
4	Regional coordination Liaise with relevant regional TF/WG to refine dependencies between SWIM PT and other regional contributory bodies Interregional coordination (developments in adjacent regions)	ICAO (lead) & States & relevant stakeholders	Secretary coordination (WPs/IPs) & regular updates from FAA and APAC (WP/IP SWIM Eco system EUR / APAC to obtain initial picture)	Nov 2018	Initial picture for SWIM PT/2 (continuous)		c, e



**Appendix E to  
SWIM PT/1 SoD**

5	Promotion of SWIM in Europe (workshop)	ICAO Paris & SWIM PT members & stakeholders	Regional workshop in 2020 (outcomes of the SWIM PT)	Jun 2019	2020	-Ownership is open -Discuss objectives, ownership, organization and initial planning at SWIM PT/2	f
6	Promotion of SWIM in Europe (DGCA-newsletter)	ICAO Paris & SWIM PT members	Communication through SWIM PT members ICAO newsletters DG meetings	Nov 2019	Report to DGCA 2020 (continuous)		f
7	Monitoring of panels work Monitor developments by the IMP and escalate issues as required, and other panels (MET Panel, ATMRPP, CP)	SWIM PT panel members / ICAO Secretariat	Regular updates from the panels	Jun 2019	(continuous)		a, b
8	Monitoring of SWIM implementation and prerequisites in Europe (use information from existing monitoring mechanisms and not duplicate them)	ICAO / Eurocontrol	Secretariat – survey of relevant group reports Review by SWIM PT	Jun 2019	(continuous)	-gap analysis for deployment programme by SDM -LSSIP -eANP Vol III -group report	d
9	Identify challenges and risks in SWIM regional implementation (derived from the roadmap) & identify SWIM related guidance (example: requirements for publishers/consumers, version management, etc)	SWIM PT	Report by States Risk identification and mitigation actions Secretary to reference guidance	SWIM PT/2	(continuous)	Dependent on roadmap	g

**Appendix E to  
SWIM PT/1 SoD**

10	Identify and facilitate assistance to States (take into account existing assistance mechanisms to not duplicate them) and training needs	SWIM PT & States	Needs-capabilities matrix Members to write WP to give their needs/capabilities  To report needs to COG and propose potential capabilities	WebEx2 (Nov 2018)	Draft matrix by SWIM PT/2 (continuous)	Example need: how to kickstart a SWIM programme @ national level  Example capability: training	h
11	Report to COG RCOG	ICAO Secretariat	WP on progress related to SWIM PT	Oct 2018	(continuous)		l, j