



ICAO

*International Civil Aviation Organization***The Sixth Meeting of System Wide Information Management Task Force (SWIM TF/6)**

Video Tele-conference, 17 – 20 May 2022.

**Agenda Item 3:** Review of SURSG/2 report**Proposed Establishment of Surveillance Sharing in SWIM Trial Implementation Group (S3TIG)**

(Presented by Hong Kong, China)

**SUMMARY**

SURSG/2 held in March 2022 supported establishment of S3TIG to oversee trial surveillance data sharing to demonstrate or implement some of the recommendations and sharing model in the SURSG Study Report, which was presented at SURSG/2. The paper provides a background of the proposed establishment of S3TIG and solicits SWIM TF's support and its members' participation.

**1. INTRODUCTION**

1.1 At the 2<sup>nd</sup> meeting of Surveillance Study Group (SURSG/2) held during 15-17 March 2022 where Hong Kong, China presented progress report on SURSG's tasks (see working paper: SURSG/2–WP/05) including the completion of the Concept of Operations paper and the Surveillance Study Report which were prepared with the support, inputs and efforts from members and task leads. High-level recommendations in the Study Report were extracted for discussion including notably the establishment of Surveillance Sharing in SWIM Trial Implementation Group (S3TIG).

1.2 The proposed S3TIG to oversee trial surveillance data sharing is a natural step to moving beyond recommendations in the Study Report to:

- 1.2.1 serve as a test case and illustration to gauge the practicality of recommendations in the Study Report;
- 1.2.2 serve as a use case of sharing of surveillance data in a SWIM environment;
- 1.2.3 promote and accelerate surveillance sharing; and

- 1.2.4 provide, through trial(s), feedback information and learned experience for SURSG for its continuing study work.

## **2. DISCUSSION**

2.1 Given that the scope of SURSG work is multi-faceted and involves potential aspects of technical, legal, commercial, contractual, bilateral or multilateral agreements among members, further and detailed deliverables from SURSG would not be practical without the benefits of experience and focus of members’ interests from a use case. At SURSG/2, members reviewed and deliberated the recommendations and moving forward proposals in the paper and the establishment of S3TIG with quite a few states and organizations expressing interest in participating.

### Terms of Reference of S3TIG

2.2 A proposed Terms of Reference (ToR) for S3TIG was prepared and finished its rounds of commenting from SURSG members in April. The updated copy is provided at Appendix A to this paper.

2.3 Members of this meeting are invited to review the ToR, noting in particular the “Composition” Section of the ToR.

## **3. ACTION BY THE MEETING**

3.1 The meeting is invited to:

- a) note the information contained in this paper and the ToR at Appendix A;
- b) support the establishment of S3TIG as an ad-hoc group; and
- c) participate in S3TIG.

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## **TERMS OF REFERENCE**

### **Surveillance Sharing in SWIM (System Wide Information Management) Trial Implementation Group (S3TIG)**

#### **Objectives:**

The Surveillance Sharing in SWIM (System Wide Information Management) Trial Implementation Group (S3TIG) is established to:

1. support and promote the trial implementation of surveillance data sharing based on System Wide Information Management (SWIM) concept; and
2. demonstrate technically, operationally, and economically viable model options for surveillance data sharing in SWIM environment for reference through implementation trial(s).

#### **Responsibilities:**

The S3TIG shall:

1. Promote collaboration between States, international organisations, aviation stakeholders and service providers to:
  - a. quickly build up a sizable participant base with reasonable breadth of shared surveillance data, and
  - b. cooperatively conduct demonstrations and operate trials.
2. Through collaboration of trial participants, propose governance arrangements, protocols as well as performance measures and objectives necessary to achieve efficient sharing of surveillance data in support of flight operation safety.
3. Produce a safety assessment for surveillance data sharing in SWIM environment based on the outcome of trial implementation.

4. Produce an economic assessment for the establishment and operation of surveillance data sharing through SWIM based on the outcome of trial implementation.
5. In undertaking its activities, the S3TIG shall consider diversity of States in the Asia Pacific Region in terms of complexity and volume of air operations, sophistication of air traffic management services and economic capacity.

**Composition:**

Group Lead - One Group Lead and One Deputy Group Lead to be elected at first meeting of S3TIG from members who are States/Administrations of ICAO APAC.

Members - S3TIG members can be:

1. States/Administrations of ICAO APAC
2. International organizations recognized by ICAO.

**Liaison:**

SWIM TF, CRV OG

**Conduct of the work:**

The S3TIG will conduct its work through web conferences, teleconferences, other electronic means of communications, and Face-to-Face meetings.

**Reporting:**

The group will report at least annually to SURSG.