



ICAO

The Sixth Meeting of System Wide Information Management Task Force (SWIM TF/6)

Video Teleconference (VTC), 17 – 20 May 2022

Agenda Item 4: Updates on the assigned tasks by task leads/contributors including progress report and issues

e) Information Services

- Task 6: Information Services

APAC SERVICE OVERVIEW SPECIFICATION - OPTIONAL FIELDS

(Presented by Hong Kong, China)

SUMMARY

This paper presents the proposed optional descriptive elements to be used in the APAC Service Overview Specification.

1. INTRODUCTION

1.1 Australia and Hong Kong, China conducted a detailed comparison of the PANS-IM Service Overview fields to the existing SWIM Registries operated by the FAA and EUROCONTROL and a proposal presented in APAC SWIM TF/3. The comparison results and recommendations regarding additional metadata fields for initial version of APAC Service Overview Specification were presented in in SWIM TF/5.

2. DISCUSSION

2.1 The proposed additional fields for initial version of APAC Service Overview Specification presented in [SWIM TF/5 – WP/14](#) include the following:

- Information Service Identifier
- Information Theme
- Functional Theme
- Spatial State
- Spatial Aerodrome
- Spatial Airspace
- Interface Binding

2.2 Suggestions on further addition of the following fields were received after initial version of APAC Service Overview Specification were presented in SWIM TF/5.

- Redistribution Restrictions: whether there are restrictions on the distribution of data
- Approval by Authority: whether services are provided as "official" or "approved" services
- Cost Recovery: any costs/pricing to access the information service

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2.3 It is noted that the above additional descriptive elements in para. 2.1 and 2.2 can provide additional details in describing the information service but not currently covered by the SWIM Service Overview. To ensure interoperability while at the same time to enhance the description of information services provided in the APAC Region, it is recommended to use the above additional descriptive elements together with the SWIM Service Overview Specification approved by IMP (see Appendix for details).

2.4 Appendix provides recommended descriptive elements to be fill in the SWIM Service Overview, and would be a living reference for regular review and update as necessary when new needs are identified in future. APAC service providers may make reference to these optional descriptive elements as necessary based on the users' operational needs when designing new information services.

2.5 Other recommended descriptive elements may be identified through table-top exercises or demonstrations for use case of common Flight, Aeronautical and MET information services in coordination with other related SWIM TF task groups.

2.6 In case the identified needs for the descriptive capability could not be included under any existing fields in the Service Overview, such as Approval Authority, Re-distribution and Cost Recovery information mentioned in para. 2.2, further discussions at the global level might be required for IMP to consider developing new metadata fields in PANS-IM.

2.7 For the next steps, as Task 5 has been working on exchanging service metadata for APAC SWIM using a mature service description, Task 6 will join the ongoing registries effort of Task 5 to continue the work on the APAC SWIM service metadata model, and coordinate with Task 5 to study whether the descriptive capabilities suggested by the States in the previous meetings could be accommodated as optional elements in the existing implementations of service description fields.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) discuss any relevant matter as appropriate

APPENDIX – Initial APAC Service Overview Specification

***Recommended descriptive elements**

Category	ICAO PANS-IM	Proposed APAC Service Overview
1. Identifying	Information service name	Information Service Name
	Information service version	Information Service Version
		(*about global registry ID / information service identifier)
2. Descriptive	Brief description of the information service	Brief Description of the Service
	Additional information of the information service	Additional Service Information
	Information Category	Information Category - (*elements in information theme included) - (other elements)
	Information service functions	Information service functions - (*elements in functional theme included) - (other elements)-
	Geographical extent of information	Geographical Extent of Information - (*about State) - (*about aerodrome) - (*about airspace) - (other elements)
3. Provenance	Information service lifecycle status	Information Service Lifecycle Status
	Information service lifecycle date	Information Service Lifecycle Date
	Quality of the service	Quality of Service
	Information service validation type	Information Service Validation Type
	Information service validation description	Information Service Validation Description
	Source of information	Source of information
4. Security	Access restrictions	Access Restrictions
5. Technical	Message exchange pattern	Message Exchange Pattern
	Information exchange model	Information Exchange Model
	Filtering available	Filtering Available
		(*about interface binding)
6. Organisational	Provider organization	Provider Organization
	Support Availability	Support Availability
	Provider Point of Contact	Provider Point of Contact