



Action Items from the SWIM TF/10 Meeting.

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Topics for discussion

- List of action items that have been assigned to the SIPG
- Topical classification of these action items

Table of action items

Action Item Number	Description	Topic
Action Item 10-1	Task of developing the definitions as well as identifying the minimum functionalities and requirements for edge EMS and gateway EMS.	EMS
Action Item 10 -2	Concern was raised regarding option 2 where Internet connectivity is provided through the GEMS, particularly in scenarios where SWIM traffic would always need to be routed through gateway EMS, even for domestic SWIM operations. This approach might not be efficient. SIPG will further discuss this option, taking into account the concern raised.	Internet connectivity
Action Item 10-7	To support harmonized service implementation, the Meeting highlighted the need for clarification on how REQ/REP should be implemented. Particularly, the distinction between synchronous REQ/REP and asynchronous REQ/REP was noted as essential for facilitating discussion within the FF-ICE Ad-Hoc Group. Accordingly, SIPG, together with China, Japan, and the Republic of Korea, was requested to develop a clear explanation and guidance for further review and discussion of the FF-ICE Ad-Hoc group.	Message Exchange Patterns

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Action Item Number	Description	Topic
Action Item 10-13	The Meeting recalled that the availability value agreed at the SIPG WS/1 was 99.0%. Given that it has been agreed that the initial APAC SWIM will support information exchange not for the purpose of providing aircraft separation, the Meeting agreed to set the availability of $\geq 99.0\%$ as a starting point. Moreover, as the functions and requirements of gateway EMS and edge EMS are still under development by SIPG, it was suggested that SIPG further deliberate on the draft requirements, especially with regard to availability, as part of its continued work.	Performance Requirement of the EMS
Action Item 10 -14	The Meeting discussed the revised hierarchical architecture and considered the appropriate Internet connectivity option presented in WP/18 in the context of this architecture. It was agreed that SIPG would review this revised architecture, along with option 1 for Internet Connectivity for the APAC SWIM, for further deliberation and development.	SWIM Architecture

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Action Item Number	Description	Topic
Action Item 10-16	To support the APAC SWIM TI test to be conducted by SIPG using this agreed-upon option, the Meeting requested CRV OG to provide guidance on using the residual bandwidth of the operational CRV for SWIM testing purposes.	Use of CRV residual Bandwidth
Action Item 10-17	It was agreed that various recommendations/options suggested in WP/14 and discussed during the Meeting, such as whether all ATN Backbone Sites can serve as Gateway EMSs, the existing network topology can be reused, a connection policy based on adjacent Flight Information Region (FIR) or air traffic volume priorities can be used to establish connections between Gateway EMSs, as well as the appropriate number of EMS required in the region, etc. will be further explored by SIPG.	GEMS

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Action Item Number	Description	Topic
Action Item 10-18	<p>The Meeting was recommended to consider that future implementations of the Request/Reply MEP in APAC SWIM architecture should be strategically planned with API GW topology that reflects and complements the architectural direction of GEMS.</p> <p>The Meeting deliberated on various topics presented in the paper and agreed that further information is required for consideration of the proposal. ROK informed that its intention was to initiate a discussion on the gateway API in the SWIM TF. It was agreed that SIPG will further explore this topic.</p>	Request/Reply MEP
Action Item 10-19	<p>The Meeting discussed the guidelines and examples presented in the paper. It was agreed that SIPG, utilizing the Software Requirement Specification Template designed by ROK, will populate the template with specifications related to SWIM TI. These SWIM TI specifications examples will be included as part of the regional SWIM IGD.</p>	SWIM Architecture