



ICAO

*International Civil Aviation Organization*

**Eleventh Meeting of the Aeronautical Communication  
Services Implementation Coordination Group  
(ACSICG/11)**

*Bangkok, Thailand, 19 – 22 March 2024*

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Agenda Item 12:            Review and update Subject/Tasks List

## **REVIEW WORK PROGRAMME FOR ACSICG AND AMHS FOCAL POINT**

(Presented by the Secretariat)

### **SUMMARY**

This paper presents the work programme of ACSICG as well as the AMHS Focal Contact Point for review and updates.

## **1. INTRODUCTION**

1.1            The work programme for ACSICG was developed by ACSICG/3 meeting based on a project management methodology. The work programme reviewed by ACSICG/10 meeting is provided in **Appendix A** to this paper for review and further updates by the meeting.

1.2            The meeting is also requested to review and update the AMHS Focal Contact Point, which is provided in **Appendix B** of this paper.

## **2. ACTION BY THE MEETING**

2.1            The meeting is invited to:

- a) note the information contained in this paper;
- b) take required actions as proposed in 1.1 and 1.2. and
- c) discuss any relevant matter as appropriate

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Updated Work Programme of ACSICG

Reference	Title of Work	Task	Planned Start	Planned completion	Status	Action Parties	Comment
2-1	COM Strategies	Revise Strategy for implementation of Communications Systems to support ATM operations in APAC	2016	2020	Close	G/G Australia/New Zealand, USA and Japan, New Zealand, and USA	Closed in ACSICG/6
2-2	AMHS Implementation	Implement AMHS transition including migration of concerned connections to SITA Type X mid 15 and updating APAC AMHS Naming Plan	2015	2020	Close	Australia, Singapore and Thailand	Closed in ACSICG/7
2-3	AMHS Implementation Registration	Continue coordination with members and other regions to maintain the AMC	On-Going	On-Going	On-going	Thailand	
2-4	Support AIDC implementation	Support Implementation of AIDC including PAN Regional AIDC ICD	2015	2021	On-going		
2-5	SWIM implementation APAC framework (SIAF) Project	Develop Cost Benefit Analysis to support SWIM using existing underlying ATN and IP sub-network	2016	2017	Close		Dependencies: SWIM ConOPs and Technical Manual  <b>In ACSICG/4, it was modified to Action Item 4-1</b>
		Develop SWIM implementation roadmap and B1-SWIM ANRF			Close		
		Develop SWIM CONOPS refinement for APAC (FIXM, WXXM, AIXM, NOTAM) - models/infrastructure			Close		
		Develop SWIM guidance and requirements (performance, functional, safety, security)			Close		
		Develop SWIM governance architecture			Close		
		Develop SWIM governance entity/procedures			Close		
		Develop SWIM access points/services architecture and definition (iterative)			Close		
		Support testing of SWIM based applications (FIXM, IWXXM)	2015	2017	Close		
2-6	CRV Project (under the TOR of CRV Task Force)	Coordinate SWIM implementation and transition from existing environment to SWIM	2015		Close		
		MSA/DOA	2014	2015	Close		closed in CRV OG/5
		Cost Benefit Analysis	2014	2015	Close		closed in CRV OG/5
		Users requirements (including performance and safety requirements)	2014	2015	Close		closed in CRV OG/5
		RFI	2014	2016	Close		closed in CRV OG/5
		Sealed Tender		2016	Close		closed in CRV OG/5

Reference	Title of Work	Task	Planned Start	Planned completion	Status	Action Parties	Comment
		Develop/agree on CRV Design (including an IPv6 address plan)		2017	Close		
		Implementation plan		2018	Close		
		Set up CRV OG		2016	Close		
2-7	CRV-OG	Oversight CRV operations and migration of applications	2016	2021	On-going		
2-8	Support ATFM Implementation using FIXM over CRV	Support development of ATFM IP ICD including coordination on the use of CRV to support ATFM FIXM (IP ICD developed by ACSICG has been provided to ATFM Group which is considered completed)	2015	2017	Close		Task description modified in ACSICG/5. It is revised text Close in CRV OG/5
2-9		Coordinate the IP network service for ATFM	2016	2019	Close		Added into revised text of 2-8 in ACSICG/5
2-10	Support transition of ATC voice service	Coordinate the use of VoIP technology to support the existing service based on Multiplexer	2015	2019	Close		Closed in CRV OG/5
4-1	Monitoring the SWIM implementation and work of APAC SWIM Task Force	Develop Cost Benefit Analysis to support SWIM using existing underlying ATN and IP sub-network	2016	2020	Close		
		Coordinate SWIM implementation and transition from existing environment to SWIM and confirm role of CRV (SWIM over CRV - role has been confirmed in 2019)	2017	2020	Close		Closed in ACSICG/8
4-2	AMHS Support IWXXM requirement 2020	Implement AMHS FTBP to meet the requirement of IWXXM including the basic AMHS plus FTBP sub-set of extended AMHS as defined in Doc9880. (Requirements for implementation is 5 November 2020) and monitor the possible compression solution following the ICAO guidelines for IWXXM implementation	2017	2020	On-going	All States/Administrations	
5-1	AFTN/ATSMHS Routing Directory and coordination with AMC	Update to the Directory and prepare a draft new Edition of the Directory	2018		Close	All States/Administrations	Completed
6-1	AMHS direct routing requirement	Develop AMHS routing policy to gain the benefits of implementation of AMHS over CRV.	2019	NA	On-going		
CNS SG/23 Task 2019	Update AMS and Datalink Strategies	Review and update AMS and Datalink Strategies (task given by CNS SG/23 Meeting)	2019	2020	Close		

Reference	Title of Work	Task	Planned Start	Planned completion	Status	Action Parties	Comment
7-1	Monitoring the SWIM implementation and work of APAC SWIM Task Force	Demonstrate capability of CRV to support SWIM and evaluate the impacts on network bandwidth to incorporate AMHS service.	2016	2021	On-going	Hong Kong China, Singapore and Thailand, IATA as reporter to SWIM TF	On-going
7-2	CRV Operations Manual	A small ad hoc working group with CRV OG members from USA, Singapore and New Zealand to further improve the draft and get it ready for consideration by CNSG SG through a joint working paper. Thailand also agreed to provide some support to review the revised draft.	2020	2020	Close	CRV OG co-chair, New Zealand, USA, Singapore, Thailand	<b>SL Ref.:T 8/9.1 – AP262/20 (CNS), 22 December 2020</b> , Subject: The availability of various regional guidance materials for implementation of Air Navigation Facilities and Services in the Asia and Pacific Regions, <b>Conclusion CNS SG/24/4 -</b> Publishing of CRV operational manual to provide the information and directions required for CRV OG performance and CRV operations
7-3		States with designated BBIS: Australia, China, Hong Kong, China, Fiji, India, Japan, Singapore, Thailand and USA should increase their respective connection bandwidth to greater than 64kbps if feasible and applicable.  Any ANSPs that are not on the above list should upgrade their AMHS with FTBP functionality to support IWXXM traffic. <del>ICAO Regional Office will issue a reminder to States/Administrations that have no AMHS with FTBP capability to implement or upgrade their AMHS with FTBP function as soon as possible.</del> States/Administrations should also be requested to deploy AMHS connection with a minimum of 64Kbps bandwidth.	2020		Close	ICAO Secretariat	<b>State Letter: Ref.: T 8/3.5 &amp; T 8/2.11 – AP160/20 (CNS), 6 August 2020</b> , Subject: Reminder for implementation of ATS Message Handling System (AMHS) in APAC Region by 2020.  Traffic load data will support further action (ACSICG/9)

Reference	Title of Work	Task	Planned Start	Planned completion	Status	Action Parties	Comment
8-1	Suggested Implications to Cybersecurity and Associated Requirements for CRV Operations	i) The Meeting requested the ICAO Secretariat to inform and follow-up about the different requirements defined in <b>Section 3 in Flimsy01 of ACSICG/8</b> with different CNS Contributory bodies for their simultaneous and timely implementation. ii) CRV OG Chairs to note various requirements defined in Section 3 and initiate action to prepare strategies for contracting other services on CRV for future potential needs.	2021		Close	i) ICAO Secretariat ii) CRV OG Chairs	Replaced by new action items 9-6 by WP/08 of ACSICG/9
8-2	Interconnection of Regional Networks	ICAO Secretariat to take necessary action to discuss the interconnection of various regional networks at higher level.	2021		Close	ICAO Secretariat	Ad-hoc group created in ACSICG/9 under CRV OG.  Referred back to CRV OG  Keep Agenda Item in the meeting to note updates
8-3	Upgrade/Downgrade CRV Circuits Subscribed	ICAO Secretariat to take necessary action to discuss this issue with CRV OG as States should have option to upgrade/downgrade the circuits based on the need.	2021	ACSICG/10	Close	ICAO Secretariat, ACSICG chairs, CRV OG Chairs,	Meeting was held on <b>28 September 2021</b> .  PCCWG will draft <b>relevant clauses</b> to add in <b>Terms and conditions</b> document of CRV contract for consideration of CRV OG/9.  PCCWG will present <b>sample calculation of penalty charges</b> in case package degradation are opted by any contracting States within their terms of contract of CRV in <del>CRV OG/9</del> <b>CRV OG/9</b> .
8-4	AMHS Routing Update due to CRV Post Implementation Issues in Bhutan	All six member States (Bhutan, India, Thailand, Singapore, Australia, and New Zealand) to create an Ad-hoc group with support of the ICAO Secretariat to further discuss about implementation of Option 2.	2021	ACSICG/10	Close	Bhutan, India, Thailand, Singapore, Australia, and New Zealand, ICAO Secretariat	Meeting was held on <b>27 May, 19 August, 03 September 2021</b> .  New Zealand will act as BBIS No AMC updates required As on 15 Sep 2021, Next meeting after Bhutan and New Zealand discussion.

Reference	Title of Work	Task	Planned Start	Planned completion	Status	Action Parties	Comment
9-1	Update ICAO APAC ATN/AMHS Guidance Document Tree	Ad-Hoc Group will update ICAO APAC ATN/AMHS Guidance Document Tree	2022	ACSICG/10	On-going	ICAO Secretariat, China, Fiji, New Zealand (Tentative), Singapore, USA	
9-2	Traffic Loading of CRV connection	States implemented CRV should note the Bandwidth Utilization rate and may present this data in upcoming CRV OG meetings.	2022	CRV OG/11	On-going	ICAO Secretariat, Member States	
9-3	A common template to report the monitoring of connection loading	ICAO Secretariat will consult with experts to propose a common template to report on the monitoring of connection loading	2022	ACSICG/10	On-going	ICAO Secretariat	To support Action Item 7-3
9-4	MPLS/IP Based Inter-Regional Connection	To discuss the potential options for business cases to move forward with the proposal in MPLS/IP Based Inter-Regional Connection between CRV and REDDIG II.	2022	ACSICG/10	Open	ICAO Secretariat under CRV OG, APAC Member States having interregional connections, CRV OG Chairs, CRV and REDDIG II service providers, and interested states of SAM region	
9-5	Nomination of SAM Member States to ad-hoc group under action item 9-4	ICAO Secretariat will coordinate with ICAO SAM Office to get nomination from interested SAM Member states for joining the Ad-Hoc Group in Action Item 9-4	2022	Jul-22	Open	ICAO Secretariat	
9-6	New Agenda Item to discuss Cybersecurity issues in Aeronautical Communications	Create a regular Agenda Item from ACSICG/10 and invite States and Organizations concerned to continue the discussion on improving in the cybersecurity ideas presented in various cybersecurity-related meetings and webinars.	2022	ACSICG/10	On-going	ICAO Secretariat, CANSO, IATA	
9-7	Continuation of Action Item 8-4	Bhutan and New Zealand would continue to work on above mentioned on-going proposal. The Ad-Hoc group will meet in last week of June 2022 to note the status of testing of CRV circuits between Bhutan and Thailand and progress on implementation of the temporary routing through New Zealand.	2022	ACSICG/10	Close	ICAO Secretariat, Ad-hoc expert group	

Reference	Title of Work	Task	Planned Start	Planned completion	Status	Action Parties	Comment
10-1	Consider convening a conjoint meeting session of the ACSICG in 2024 in conjunction with MET/IE WG	The meeting supported the proposal to conduct a conjoint meeting session of the MET/IE WG and ACSICG in 2024. Therefore, the meeting requested the Co-Chairs and Secretariat to consider convening a conjoint meeting session of the ACSICG in 2024 in conjunction with MET/IE WG.	2023	2024	Open	ICAO Secretariat, ACSICG chairs	
10-2	Enhance the coordination between APAC and MID regions to support the AMHS implementation	The meeting was informed the Mumbai-Muscat AMHS connection has been implemented, and ICAO APAC Office is requested to coordinate with MID Office to push forward the AMHS implementation between Beijing and Kuwait.	2023	ACSICG/11	Open	ICAO Secretariat	
10-3	Recommended that CRV OG coordinate with CRV vendor, PCCW Global, and SWIM Task Force to set priority of the traffic types.	it's recommended that CRV OG coordinate with CRV vendor, PCCW Global, and SWIM Task Force to set priority of the traffic types: voice service, time-sensitive message, and advisory message, etc.	2023	2024	Open	ICAO Secretariat	













