

International Civil Aviation Organization



ICAO

**Twenty Sixth Meeting of the Communications/
Navigation and Surveillance Sub-group (CNS SG/26) of
APANPIRG**

Video Tele-Conference, 5 – 9 September 2022

Agenda Item 14: CNS related work/projects impacted by COVID-19

IMPACT OF COVID-19 TO CNS WORKS

(Presented by the Secretariat)

SUMMARY

This paper presents the impact of COVID-19 to all related CNS works and some observations arisen from the virtual meetings.

1. INTRODUCTION

1.1 The outbreak of COVID-19 pandemic made normal ways of business more challenging, and the challenge is expected to continue. The pandemic caused a great impact to various business sectors, especially, the aviation industry.

1.2 The pandemic imposed new norms to the industry, and reiterated the importance of ICT infrastructure in maintaining the business continuity and building resilience.

2. DISCUSSION

2.1 All of the ICAO APAC CNS meetings scheduled for 2022 were conducted by Video Teleconference (VTC). As the report of progress and some action requirements need effective communication and efficient cooperation between Regional Office and among Member States, the COVID pandemic caused a great challenge to all in accomplishing the work programme in a harmonized way.

2.2 However, as the community is getting more familiar with the use of online meeting platforms i.e. MS Teams, and Zoom, Member States and the ICAO Secretariat managed to conduct planned meetings of contributory bodies and held a series of webinar. In the normal situation, there could be some limitation of traveling cost and number of traveling days. With a general acceptance of hosting / joining meetings/webinars virtually, the situation opens broader opportunities for more representatives to participate online, without the consideration of financial cost from States/Administration on business trips and attending meetings/webinars physically. As such, generally more participants observed in virtual meetings/webinars compared to physical ones. Details of participation is provide as **Appendix A** to this paper.

Agenda Item 14

05 – 09/09/22

2.3 Online ICAO events provided better accessibility to participants from States/Administrations, while face-to-face meetings provided excellent forums for discussion and networking among meeting delegates on CNS related topics, furthermore, virtual meetings imposed various constraints on the occasions for the Chair and Secretary to coordinate on ad hoc issues and small working group meetings to be established among delegates on specific topics, and the effectiveness and productivity of meetings/workshops are not measured purely by the number of participants.

2.4 Some workshops were still considered to be more efficient to host in physical way, such as the Frequency Finder (FF) Workshop, which originally scheduled since 2020 have not been scheduled in 2021 and 2022. The ICAO APAC Regional Office will coordinate for a suitable time to conduct the Workshop to facilitate the implementation of this ICAO tool and global database. Due to the time zone difference, APAC region have not host the Regional WRC-23 Preparatory Workshop in VTC mode, it is expected to be operated at ICAO APAC Office in the first quarter of 2023 as a face to face event.

2.5 It was noted that the decreased international flight number jeopardized the of Key Industrial Partner (KIP) business mode in supporting CNS/ATM infrastructure, which was funded by overflight fee, the ANSP concerned is seeking competitive solution of spare parts support and training to build the internal operating capability to address the challenging situation faced.

2.6 In response to APANPIRG's call on enhancing engagement with the industry, CNS SG invited various industry partners to share and update the latest progress in relevant areas. The CNS SG also encouraged States/Administrations to share information through submission of papers. However, the efficiency and effectiveness of this joint effort have been significantly hindered by the travel restrictions imposed.

2.7 Due to the decline of implementation of CNS/ATM projects by the Member States, the planned programme has been postponed or has broken down into phases.

2.8 The harmonization of implementing activities of CRV between neighbouring States, among service provider and stakeholders became more difficult.

2.9 Concerning the development of the COVID pandemic to the aviation development in APAC Region, DGCA/57 has raised several Action Items stemmed from recovery of COVID situation. The details of Action Items related to CNS are presented in WP/04 of CNS SG/26.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information in this paper;
- b) encourage representatives from States/Administration to take advantage of virtual platform to join meeting;
- c) contribute SMEs in support of webinars on various topics;
- d) consider to discontinue this agenda item in CNS SG/27; and
- e) discuss any relevant matter as appropriate.

Number of Meetings/Workshop/Webinar and Participants in 2019-2022

No.	Meeting/Seminar/Workshop Face-to-face 2019	Meeting/Seminar/Workshop via VTC 2020	Meeting/Seminar/Workshop via VTC 2021	Meeting/Seminar/Workshop via VTC 2022
1	CRV OG/6 (7-10 May) 70	CRV OG/7 (20-22 January) 57 (F2F)	CRV OG/8 (17-19 May) 97	CRV OG/9 (25-27 January) 119
2	SRWG/3 (31 May – 2 June 2016) 11	SRWG/4 (9-10 June) 43	SRWG/5 (15-17 March) 109	SRWG/6 (1-3 March) 74
3	-	-	SURSG/1 (20-22 April) 118	SURSG/2 (15-17 March) 97
4	PBNICG/6 (24-26 April – RSO) 71	PBNICG/7 (21-23 October – RSO) 98	PBNICG/8 (6-8 July – RSO) 100	PBNICG/9 (22-24 March – RSO) 173
5	DAPs WG/2 (12-14 March) 28	DAPs WG/3 (12-15 May) 64	DAPs WG/4 (29-31 March) 98	DAPs WG/5 (23-25 March) 114
6				CRV OG/10 (18 April) 89
7	ACSICG/6 (13-15 May) 69	ACSICG/7 (21-23 July) 95	ACSICG/8 (21-23 June) 120	ACSICG/9 (19-21 April) 135
*	SBAS/GBAS Implementation Workshop (3-5 June – RSO) 127	SBAS/GBAS TF/1 (23-24 June - RSO) 112		

No.	Meeting/Seminar/Workshop Face-to-face 2019	Meeting/Seminar/Workshop via VTC 2020	Meeting/Seminar/Workshop via VTC 2021	Meeting/Seminar/Workshop via VTC 2022
8	-	SBAS/GBAS TF/2 (9-10 September - RSO)	SBAS/GBAS TF/3 (27-28 September - RSO)	SBAS/GBAS TF/4 (11-12 May - RSO)
		120	134	195
9	SWIM TF/3 (7-10 May)	SWIM TF/4 (3-6 November)	SWIM TF/5 (9-11 August)	SWIM TF/6 (17-20 May)
	83	135	173	214
10	SURICG/4 (9-12 April)	SURICG/5 (22-24 September)	SURICG/6 (24-27 August)	SURICG/7 (24-27 May)
	97	120	116	117
11	-	ATMAS TF/1 (28-30 October)	ATMAS TF/2 (14-16 September)	ATMAS TF/3 (8-10 June)
		167	143	185
12	CNS SG/23 (2-6 September)	CNS SG/24 (30 November - 4 December)	CNS SG/25 (18-22 October)	CNS SG/26 (5-9 October)
	102	177	140	TBA
*	APA TF/5 (23-25 April)	APA TF/6 (14-16 July)	APA TF/7 (7-9 June)	-
	32	75	77	
13			Cyber Security Webinar (14 June)	Mode S Workshop (22 March)
			317	114
14			Implementation of CRV Webinar (20 July)	CRV Webinar (29 June)
			121	61
15		ATMAS Seminar (27 October)		ATMAS Webinar (7 June)
		179		195
16			SWIM Workshop (6-7 July)	5G&RA Webinar (23 August)
			231	250

No.	Meeting/Seminar/Workshop Face-to-face 2019	Meeting/Seminar/Workshop via VTC 2020	Meeting/Seminar/Workshop via VTC 2021	Meeting/Seminar/Workshop via VTC 2022
*			ADS-B Implementation Webinar (1 September) 298	