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Ref.: SP 63/1/ANB-ANS-CNSS112721

24 July 2024

To: Members of the Navigation Systems Panel (NSP)

From: Panel Secretary

Subject: **Invitation to the Thirteen Meeting of the Navigation Systems Panel Joint Working Groups (JWGs/13) (Montreal, 12-21 November 2024)**

Dear Colleagues,

I am pleased to invite you and your advisers to attend the **Thirteen Meeting of the Navigation Systems Panel Joint Working Groups (JWGs/13)**. The individual working group meetings will be held at ICAO Headquarters in Montreal, Canada, from 12 to 21 November 2024, beginning at 0900 hours on 12 November (local time).

The agenda for the meeting is in **Attachment A**. Administrative arrangements, including deadlines for submission of papers, are presented in **Attachment B**. It should be noted that, as specified in Attachment B, **no input papers (WP/IP) will be accepted after the start of the meeting**. Furthermore, it would be greatly appreciated if input documents were submitted no later than 05 November 2024.

In accordance with paragraph 3.19 of Annex 9 — *Facilitation* of the Chicago Convention, Canada has already dispensed with the requirement of entrance visas for temporary visitors of a considerable number of States. It should however be noted that many visa-exempt visitors travelling to Canada by air will require an electronic Travel Authorization (eTA). Those for whom visas continue to be required for entry into Canada are invited to take steps to obtain these visas in good time from the nearest Canadian authorities. Please note that it is not possible to obtain entry visas upon arrival in Canada. Information on the latest travel requirements for entry into Canada can be found at www.travel.gc.ca.

It would be appreciated if your confirmation of acceptance of this invitation, together with the names of those attending, could be sent to malnadaf@icao.int by 05 November 2024.

Muna Alnadaf
Secretary
Navigation Systems Panel

Attachments:

- A – Agenda
- B – Administrative arrangements

ATTACHMENT A

AGENDA

- Agenda Item 1:** NSP work programme and organization, including review of Job Cards
(Ref: *all NSP Job cards1*)
- Agenda Item 2:** SARPs for GNSS elements and signals (ABAS, SBAS and core constellations)
(Ref: *Job cards NSP002.04, NSP003.04, NSP004.04*)
- 2a) GPS
 - 2b) GLONASS
 - 2c) BeiDou
 - 2d) Galileo
 - 2e) SBAS (L1/L5)
 - 2f) ARAIM
 - 2g) Other issues
- Agenda Item 3:** SARPs for GNSS elements and signals (GBAS) (Ref: *Job card NSP005.04*)
- Agenda Item 4:** SARPs for conventional radio navigation aids
- 4a) Enhancements to DME SARPs and guidance material
 - 4b) Enhancements to MLS SARPs and guidance material
 - 4c) Enhancements to ILS SARPs and guidance material
 - 4d) Enhancements to VOR SARPs and guidance material
 - 4e) Other issues
- Agenda Item 5:** Updates to Doc 8071, *Manual on Testing of Radio Navigation Aids*
- Agenda Item 6:** Spectrum (except WRC issues) (Ref: *Job card NSP006.05*)
- 6a) Signal and compatibility issues in the band 108 to 117.975 MHz
 - 6b) Signal and compatibility issues in the band 960 to 1215 MHz
 - 6c) Signal and compatibility issues in the band 5000 to 5150 MHz
 - 6d) GNSS signal and interference issues
 - 6e) Other issues
- Agenda Item 7:** Mitigation of space weather effects (Ref: *Job card NSP007.03*)
- Agenda Item 8:** Alternative position navigation and timing (Ref: *Job card NSP009.05*)
- Agenda Item 9:** Any other business

1 The job cards can be found on the NSP website ([Pages - Documents \(icao.int\)](http://Pages - Documents (icao.int))). The updates proposed by NSP/7, (as revised following JWG/10 agreement) can be found in the Appendix to the NSP/7 Report on Agenda Item 1.

ATTACHMENT B

ADMINISTRATIVE ARRANGEMENTS

Documentation

1. Documents for the meeting should be sent to the Secretary of NSP at malnadaf@icao.int
2. **No input papers (WP/IP) will be accepted after the start of the meeting.** It would be greatly appreciated if input documents were submitted no later than **5 November 2024**.
3. All documents will be published on the NSP website at the ICAO secure portal (<http://portal.icao.int>). Templates for working and information papers will also be placed on the website.

Other arrangements

1. A tentative timetable for the individual working group meetings is provided below.

	12 Nov	13 Nov	14 Nov	15 Nov	18 Nov	19 Nov	20 Nov	21 Nov
AM	Plenary	GWG CNTWG	GWG Joint SWG- CNTWG	GSWG - SBAS Auth. Ad-Hoc GWG CNTWG	GSWG	GSWG SWG	GSWG	Plenary
PM		Joint GWG- SWG CNTWG	GWG Joint SWG- CNTWG	GSWG - SBAS Auth. Ad-Hoc GWG CNTWG	Joint GSWG- SWG	GSWG SWG	GSWG	

Legend: *GWG: GBAS Working Group; SWG: Spectrum Working Group; GSWG: GNSS SARPs Working Group; CNTWG: Conventional Nav aids and Testing Working Group.*

2. Videoconferencing arrangement details (Webex) will be provided closer to the date of the meeting.