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18 November 2022

To: Members of the Navigation Systems Panel (NSP)
From: Panel Secretary
Subject: **Invitation to the Seventh Meeting of the Navigation Systems Panel (NSP/7)
(Montreal, Canada, 9 – 19 January 2023)**

Dear colleagues,

I am pleased to invite you and your advisers to attend the **Seventh Meeting of the Navigation Systems Panel (NSP/7)**, to be held at ICAO Headquarters in Montréal, Canada, from 9 to 19 January 2023, beginning at 0900 hours on 9 January (Montreal 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**.

It would be appreciated if your confirmation of acceptance of this invitation, together with the names of those attending, could be sent to acapretti@icao.int by 22 December 2022.

Alessandro Capretti
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*)
- 2 a) GPS
 - 2 b) GLONASS
 - 2 c) BeiDou
 - 2 d) Galileo
 - 2 e) SBAS (L1/L5)
 - 2 f) ARAIM
 - 2 g) 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
- 4 a) Enhancements to DME SARPs and guidance material
 - 4 b) Enhancements to MLS SARPs and guidance material
 - 4 c) Enhancements to ILS SARPs and guidance material
 - 4 d) Enhancements to VOR SARPs and guidance material
 - 4 e) 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*)
- 6 a) Signal and compatibility issues in the band 108 to 117.975 MHz
 - 6 b) Signal and compatibility issues in the band 960 to 1215 MHz
 - 6 c) Signal and compatibility issues in the band 5000 to 5150 MHz
 - 6 d) GNSS signal and interference issues
 - 6 e) 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 [here](#).

ATTACHMENT B

ADMINISTRATIVE ARRANGEMENTS

Documentation

1. Documents for the meeting should be sent to the Secretary of NSP at acapretti@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 January 2023**.
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. The panel will conduct its work through meetings of the full panel and of its working groups. A tentative timetable is provided below.

Week 1	9 January	10 January	11 January	12 January	13 January
9am – 5pm (Montreal time)	PLENARY <i>followed by</i> GWG SWG	CNTWG Joint GWG/SWG on GBAS VDB <i>followed by</i> GWG	Joint GSWG/SWG on GNSS RFI Joint GWG/CNTWG on Doc 8071 <i>followed by</i> CNTWG GWG	GWG Joint CNTWG/SWG on LDACS <i>followed by</i> Joint CNTWG/VGW on DME coverage	Joint VWG/GSWG on ARAIM
Week 2	16 January	17 January	18 January	19 January	20 January
9am – 5pm (Montreal time)	Joint VWG/GSWG on ARAIM <i>followed by</i> GSWG	GSWG	PLENARY	PLENARY	N/A

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

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

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