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23 February 2023

To: Members of the Navigation Systems Panel (NSP)
From: Panel Secretary
Subject: **Invitation to the Tenth Meeting of the Navigation Systems Panel Joint Working Groups (JWGs/10) (Montreal, 22 – 26 May and 31 May 2023)**

Dear colleagues,

I am pleased to invite you and your advisers to attend the **Tenth Meeting of the Navigation Systems Panel Joint Working Groups (JWGs/10)**. The individual working group meetings will be held at ICAO Headquarters in Montreal, Canada, from 22 to 26 May 2023, beginning at 0900 hours on 22 May (local time). A virtual plenary session will take place on 31 May, beginning at 0900 hours (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 15 May 2023.

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 acapretti@icao.int by 15 May 2023.

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
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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 15 May 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. A tentative timetable for the individual working group meetings is provided below. The virtual plenary session will be held on **31 May** (expected duration: two hours).

	22 May [Quebec holiday]	23 May	24 May	25 May	26 May
AM	CNTWG	CNTWG GSWG	CNTWG/GWG joint GSWG	GWG GSWG	GWG
PM	CNTWG	CNTWG GSWG GWG	GWG GSWG	GWG GSWG	GWG

Legend: *CNTWG: Conventional Nav aids and Testing Working Group; GWG: GBAS Working Group; GSWG: GNSS SARP s Working Group.*

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

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