

WG D MEETING AGENDA

ICG WORKING GROUP D REFERENCE FRAMES, TIMING AND APPLICATIONS

Fifteenth Meeting of the International Committee on GNSS (ICG) Vienna, Austria and Virtual Hybrid

WG-D Leadership Team

- Zuheir Altamimi (International Association of Geodesy, IAG)
- Suelynn Choy (International Federation of Surveyors, FIG)
- Allison Craddock (International GNSS Service, IGS)
- Jerome Delporte (Centre National D'etudes Spatiales, CNES)
- Allison Kealy (International Association of Geodesy, IAG)
- Mikael Lilje (International Federation of Surveyors, FIG)
- Mayra Oyola (International GNSS Service, IGS)
- Gerard Petit (Bureau International des Poids et Mesures, BIPM)
- Patrizia Tavella (Bureau International des Poids et Mesures, BIPM)

Note that this agenda is presented in a condensed format due to hybrid participation

Link to Overall ICG-15 AGENDA WG-D Meeting Agenda Outline

(Morning (CEST) of Monday 27 Sept., with follow-up morning of Thursday 30 Sept, as required.)

Co-Chair's Note: Presentation format to include a combination of "homework" long format presentations/reports provided in advance for asynchronous reading, with a short/condensed "highlights and issues in need of discussion" report during the meeting time.

Monday, 27 September (9:00-12:30)

9:00-11:00 Task Force on Timing References

Chair(s): J. Delporte, G. Petit, P. Tavella

9:00-9:10	Welcome to attendees, virtual tour-de-table, overview of day's agenda.
9:10-9:20	TF on timing references: update/review of actions since last ICG and way forward
	(G. Petit, P. Tavella, J. Delporte)
9:20-9:30	New future section 4 of Circular T
	(P. Defraigne, G. Petit)
9:30-9:40	Improvements in the VNIIFTRI Primary Frequency Standard and National Time Scale UTC(SU) (1. Silvestrov)
9:40-9:50	Galileo timing performances monitored by the GRC-MS
	(J. Delporte)
9:50-10:00	Onboard Autonomous Frequency Jump Detection and Correction method
	(Akshay Khare)
10:00-10:10	Traceability of NavIC System time to UTC(NPLI)/Indian Standard Time
	(Suresh Dakkumalla)
10:10-10:20 Facility	Operationalization and performance of In-house Timescales for NavIC Precise Time
	(Akanksha A Bharadwajan)
10:20-10:30	Differential Code bias estimation of NavIC Satellites using Spherical harmonic function
	(Yogesh Lingwal)
10:30-11:00	Discussion
11:00-11:20 (Coffee Break

11:20-12:30 Task Force on Geodetic References

Chair: Z. Altamimi

11:20-11:30 Galileo Geodetic Reference Frame - Status Update

(W. Enderle, E. Schoenemann, T. Springer on behalf of the GGSP Consortium)

11:30-11:40 ESA/ESOC's EOP EOP Estimation and Prediction Activities - Status Update'

(E. Schoenemann, W. Enderle, S. Bruni, V. Mayer, M. Otten, T. Springer)

11:40-I 1:50 Compatibility of Terrestrial Reference Frames used in GNSS broadcast messages during an 8 week period of 2019 (link to paper) **fSLIDESI**

(<u>Todd Kawakami:</u> Stephen Malys, Jake Griffiths on behalf of authors: Stephen Malys, Russell Solomon, Jason Drotar, Todd Kawakami, Thomas Johnson)

11:50-12:10 Discussion 12:10-12:30

Summarization of Session

Wednesday, 29 September (9:00-15:00)

15:20-15:50 Joint Working Group Session (S, B, C & D invited): Open Service Information Sharing and Service Performance Monitoring (International GNSS Monitoring and Assessment)

[please see WG-S Agenda for more information]

15:50-16:30 Joint Working Group Session (S, B, C & D invited): Precise Point Positioning (PPP) Interoperability

[please see WG-S Agenda for more information]

16:30-17:30 Joint Working Group Session (S, B, C & D invited): Interoperability & Service Standards (Multi-GNSS Interoperability - Timing)

[please see WG-S Agenda for more information]

17:30-18:00 Joint Working Group Session (S, B, C & D invited): Geodetic References Chair(s): Z. Altamimi

17:30-17:40 Recent developments in the UN GGIM Subcommittee on Geodesy and UN Global Geodetic Reference Frame

(Z. Altamimi, on behalf of the UN GGIM Subcommittee on Geodesy Bureau)

17:40-17:50 Introducing the IGS 2021+ Strategic Plan

(A. Craddock, on behalf of the IGS Governing Board)

17:50-18:00 Discussion

hursday, 30 September (9:00-12:30)	
Other presentations to be confirmed.	
Other Business (to be presented in an All-WG session, time permitting)	
Actions and Progress on Recommendations GNSS Provider ongoing Action (discussed at ICG-14): Update and Maintain Geodetic and Timing Reference Templates	
Action from ICG-14: NavIC to provide draft update to recommendation #20 to WG-D	
Update on WG-D Rec #23 on Satellite Physical and Geometrical Property Information Sharing (Public Availability of GNSS Metadata)	
oint WG Meetings (coordinated by WG-S, please see WG-S Agenda for nost recent information)	