



International Committee on
Global Navigation Satellite Systems

**ICG WORKING GROUP D
REFERENCE FRAMES, TIMING AND APPLICATIONS**

**Eighth Meeting of the International Committee on GNSS (ICG)
Dubai, United Arab Emirates, 9-14 November 2013**

**AGENDA
(as of 29 October 2013)**

Saturday, 9 November		Working Group D Activity
16:00 – 17:00	Meeting with the Working Groups Co-Chairs	Working Group Co-Chairs (only) to attend.
Sunday, 10 November		Working Group D Activity
09:00 – 18:00	FIRST PLENARY SESSION OF THE ICG Including: <ul style="list-style-type: none"> • Providers System and Service Updates • Presentations by Associate Members and Observers on Matters of Interest to ICG • GNSS Applications and/or Experts Seminar 	Working Group D Members to attend Plenary
18:30 – 20:30	<i>Welcome Dinner</i>	
Monday, 11 November		Working Group D Activity
09:00 – 11:00	SECOND PLENARY SESSION OF THE ICG (meeting of the Providers with the ICG Members, Associate Members, Observers and invited observers)	Working Group D Members to attend Plenary.
11:00 – 11:20	<i>Coffee Break</i>	
WORKING GROUP MEETINGS (parallel sessions of WG A and WG D)		
11:20 – 16:00	WG D MEETING	
Lunch 13:00- 14:00	<ol style="list-style-type: none"> 1. INTRODUCTIONS 2. REVIEW OF MINUTES FROM ICG-7 MEETING 3. TASK FORCE ON GEODETIC REFERENCES <ol style="list-style-type: none"> 3.1. Discussion on progress with WG-D Recommendations: <ol style="list-style-type: none"> 3.1.1. Recommendation 11 on “Finalization and Publication of Templates on Geodetic and Timing References”; 3.1.2. Recommendation 12 on “Interoperability of geodetic references among the different GNSS systems”; 3.1.3. Recommendation 13 on “International GNSS Service Multi-GNSS 	

	<p><i>Global Experiment - IGS M-GEX</i>".</p> <p>3.1.4. Recommendation 14 on “<i>Interrelationship of GNSS geodetic references through the International Terrestrial Reference System(ITRS)</i>”</p> <p>3.1.5. Recommendation 15 on “<i>Improving the GNSS contribution to the ITRF defining parameters: Satellite antenna calibration; adding retro-reflector and accelerometers to GNSS satellite</i> ”</p> <p>3.2. Discussion on International GNSS Monitoring and Assessment</p> <p>3.3. Presentations on Recent Developments in Geodetic References;</p> <p>3.3.1. <i>Updates by the Provider reps on recent developments in GNSS geodetic reference systems/frames ;</i></p> <p>3.3.2. <i>GLONASS and National Reference Systems of the RUSSIAN FEDERATION, including the user segment</i></p> <p>3.4. Relevant Developments in International Standards Organization (ISO);</p> <p>3.5. Discussion of the need for more comprehensive information about new GNSS satellites to improve orbit modeling;</p> <p>3.6. Next Steps in Task Force Activities and Recommendations from Task Force on Geodetic References;</p> <p>4. TASK FORCE ON TIMING REFERENCES</p> <p>4.1. Discussion on progress with WG-D Recommendations:</p> <p>4.1.1. Recommendation 11 on “<i>Finalization and Publication of Templates on Geodetic and Timing References</i>”;</p> <p>4.1.2. Recommendation 16 on “<i>Information on the works related to the proposed redefinition of UTC</i>”</p> <p>4.1.3. Recommendation 17 on “<i>Declaration on the computation of Rapid UTC (UTC_r)</i>”</p> <p>4.2. Presentations on Recent Developments in Timing References;</p> <p>4.2.1. <i>Galileo IOV Timing Results</i>, by Jörg Hahn, EU/ESA;</p> <p>4.2.2. <i>BDT performance evaluation and GNSS time offset monitoring</i>, by Zhiwu Cai, China;</p> <p>4.2.3. <i>Updated standard of a time, frequency and national time scale UTC(SU) of the Russian Federation. GLONASS Time and UTC(SU)</i>;</p> <p>4.2.4. <i>Coordinated Universal Time and GLONASS</i>;</p> <p>4.3. Progress on the discussions on the redefinition of UTC in international organizations</p> <p>4.4. Users’ needs of broadcast UT1-UTC predicted by the IERS rapid EOP service;</p> <p>4.5. Report on developments with “<i>Rapid UTC</i>”;</p> <p>4.6. Report on Leap Second deliberations at the ITU;</p> <p>4.7. Next Steps in Task Force Activities and Recommendations from Task Force on Timing References;</p> <p>5. OVERARCHING ICG ACTIVITIES</p> <p>5.1. Actions arising from other ICG Working Groups;</p> <p>5.2. Actions arising from consideration of the various roles of System Monitor Stations vs SBAS Stations vs Geodetic CORS;</p> <p>5.3. Other whole-of-ICG issues such as Joint Workshops, etc;</p> <p>6. NEXT STEPS FOR WORKING GROUP D</p> <p>6.1. Review of Work Plan and emphasis for the coming year;</p> <p>6.2. Agreement on Draft Recommendations to Plenary of ICG-8.</p>
<p>16:00-16:20</p>	<p style="text-align: center;"><i>Coffee Break</i></p>
<p>16:20-18:00</p>	<p style="text-align: center;">Joint meeting of WG-A and WG-D (Working Group D Members to attend)</p>

Tuesday, 12 November		Working Group D Activity	
WORKING GROUP MEETINGS (<i>parallel sessions of WG B and WG C</i>)			
09:00 – 15:40	WG B – Enhancement of performance of GNSS services	WG C – Information Dissemination and Capacity Building	Working Group D Members can attend part of WG-B or WG-C.
	Primary purpose is to prepare conclusions and recommendations for full committee consideration.		WG D members to consider the draft report and recommendations arising from WG D meeting. A chance for members to discuss, amend and ratify report and recommendations prior to presentation to Plenary Session 3.
<i>11:00 - 11:20</i>	<i>Coffee Break</i>		
<i>13:00 - 14:00</i>	<i>Lunch</i>		
<i>15:40 - 16:00</i>	<i>Coffee Break</i>		
16:30	Technical Tour followed by a Discover Dubai Tour		
Wednesday, 13 November		Working Group D Activity	
09:00 – 11:00	Working Groups Parallel Sessions		
	Working group D to prepare conclusions and recommendations for the ICG consideration.		
11 :00 – 11 :20	<i>Coffee Break</i>		
11:20 – 16:00	THIRD PLENARY SESSION OF THE ICG		
	Attended by all. Working Groups to present results of their meetings and presentation of any draft recommendations to the ICG.	Working Group D Members to attend Plenary	
11:20	Presentation by WG A and Discussion		
12:05	Presentation by WG B and Discussion		
12:50 – 14:00	<i>Lunch</i>		
14:00	Presentation by WG C and Discussion	Working Group D Members to attend Plenary	
14:45	Presentation by WG D and Discussion		
15:30	Report on the meeting of the ICG Members, Associated Members and Observers (as needed)		
16:00	<i>Coffee Break</i>		
16:20 - 18:00	PROVIDERS’ FORUM MEETING (AS NEEDED)	Meeting of Associate Members and Observers – as needed	WG D Members may attend the Meeting of Associate Members and Observers.
	Attended by only the providers The primary purpose is to discuss any draft	The purpose is to discuss issues of common concern that have emerged during earlier sessions.	

	recommendations to the ICG from the working groups and to develop response or suggest amendments to the draft recommendations.		
Thursday, 14 November		Working Group D Activity	
09:00 – 13:00	FOURTH PLENARY SESSION OF THE ICG	Working Group D Members to attend Plenary.	
	<i>The primary purpose is to consider final recommendations as considered by the Providers' Forum. This session will also consider other ICG-related issues.</i>		
09:00 – 10:00	Consideration of proposed ICG recommendations (as needed)		
10:00 – 11:00	Review and approval of meeting conclusions (joint statement, press release, etc.)		
11:00 – 11:20	<i>Coffee Break</i>		
11:20	Other matters: <i>For planning purposes, the ICG member countries/organizations are invited to submit their expression of interest to host the ICG meetings in 2015 and 2016</i>	Working Group D Members to attend Plenary.	
11:45 – 12:00	European Union: <i>Announcement for the Ninth Meeting of the ICG(Prague, Czech Republic, 2014)</i>		
12:20 –	Closing Statements		
13:00	Adjourn		