

ICG WG-B Interim Meeting

GNSS Service Performance Enhancement and Applications

Provisional Agenda

Date: May 17th 2011 (Tuesday) 08:30-18:00

Venue: Pullman Shanghai Skyway, 3F, Oasis Hall

Co-chairs: Rafael. Lucas-Rodriguez and Xingqun Zhan

08:30 – 09:00	Registration	
09:00 – 09:30	Opening Remarks	
09:00 – 09:10	➤ Welcome	X.ZHAN Shanghai Jiao Tong University, China
09:10 – 09:20	➤ Introduction to WG-B Meeting	R. LUCAS-RODRIGUEZ European Space Agency
09:20 – 09:30	➤ Approval of the agenda	
09:30 – 10:30	Session 1: Performance Enhancement	
09:30 – 09:50	➤ Multi-Constellation ARAIM and SBAS	L. ELDREDGE Federal Aviation Administration, USA
09:50 – 10:10	➤ Performance Improvement for GNSS terminals based on ground augmentation system combining with mobile network	H. ZHANG Wuhan University, China
10:10 – 10:30	➤ GNSS Augmentation Technology Architecture Analysis	R. LI Beihang University, China
10:30 – 10:50	Coffee break	
10:50 – 11:50	Session 2: Interference Detection & Mitigation	
10:50 – 11:10	➤ GNSS interference detection	S. J. LEE National GNSS Research Center, Korea
11:10 – 11:30	➤ Alternate Position Navigation and Time for Aviation	P. ENGE Stanford University, USA

11:30 – 11:50	➤ Vulnerability - New tool and measure for GNSS	H. XU Shanghai Jiao Tong University, China
11:50 – 13:30	Group Photo & Lunch 49F western buffet lunch restaurant Zaffraan	
13:30 – 14:10	Session 3: Integrity	
13:30 – 13:50	➤ GNSS User Positioning Integrity: Challenging Issues and Progress	J. WANG University of New South Wales, Australia
13:50 – 14:10	➤ MSAS and QZSS integrity and accuracy	M. AOKI Space Policy, Cabinet Secretariat, Japan
14:10 – 15:30	Session 4: Multi-GNSS Applications	
14:10 – 14:30	➤ Satellite GLONASS/GPS navigational device (SND) for the space tug “Fregat”	V. TYUBALIN Institute of Space Device Engineering, Russia
14:30 – 14:50	➤ Enhancing the performance of GNSS to cover GEO space applications	J.J. Miller NASA, USA
14:50 – 15:10	➤ Positioning Technology Improvement Enabled by the Multi-Constellation New GNSS Signals	L. YANG University of Nottingham, UK
15:10 – 15:30	➤ GNSS based Awareness of Maritime and Land Transportation in China	S. ZHANG Dalian Maritime University, China
15:30 – 16:00	Coffee break	
16:00 – 17:30	Session 5: WG-B Recommendations	
16:30 – 17:00	Discussion on WG-B Work Plan Actions	All
16:00 – 16:30	Discussion of new Recommendations for WG-B	All
17:00 – 17:30	Discussion of Preparation of Planning for ICG 6 in Japan	All
17:30 – 18:00	Closing Remarks	Co-chairs
18:00	Adjourn	