

# **IGS Real-time Working Group and Pilot Project Charter**

## **Period 2011-2012**

The IGS Real-time Working group was established in 2001 with a charter that stated that the group was to design and implement real-time IGS infrastructure and processes. The goals of the working group were to be accomplished in two phases which are now completed. This new charter establishes a new set of goals for the period of January 2011 to December 2012.

In June 2007 the IGS announced a Call For Participation (CFP) in an IGS Real-time Pilot Project. The Pilot Project was to exist for a period of three years ending in 2010. In 2009 it was recommended that the Pilot Project be extended to March 2011. The goal of the Pilot Project is to work towards the incorporation of real-time infrastructure and processes into the day to day operation of the IGS and it is doing so by continuing to focus on the key objectives outlined in the CFP. The eventual goal of the Pilot Project is to prove that the IGS has the capacity to deliver real-time products as part of its service.

This new charter consolidates the work of both the participants in the Pilot Project and the Working Group members and it establishes a list of goals for the period of January 2011 to December 2012. The ultimate goal of this consolidated effort, during this defined period of time, is to clearly demonstrate that the International GNSS Service has the capacity to offer real-time GNSS data and real-time GPS orbits and clocks in its day to day operation. Under this framework the Pilot Project will demonstrate the existing real-time capabilities within the main components of the IGS. The Working Group will focus on enhancing and extending these capabilities by focusing on the recommendations from both the Miami and Newcastle workshops.

The following is the list of goals for the period of January 2011 to December 2012.

Goal #1: -- To initiate, among members of the Pilot Project, the delivery of an IGS Real-time GPS Correction Product (Initial Operating Capability). Target date: June 2011.

Goal #2: -- To increase the number of Real-time Analysis Centers generating real-time Glonass clocks to four or more. Target date: December 2011.

Goal #3: -- To routinely create hourly 30-second RINEX files at Regional Real-time Data Centers. These RINEX files will be created from RTCM Multiple Signal Message streams coming from a subset of reference frame stations. These files will then be uploaded to all Global Data Centers. Target date: December 2011

Goal #4: -- To initiate, among the members of the Pilot Project, the delivery of real-time GNSS data and an IGS Real-time GPS Correction Product, both at full operating capability. Target date: June 2012.

Goal #5: -- To recommend to the IGS Governing Board, in December 2012, that it begin to offer real-time products as part of its IGS services.

### **Working Group Membership (December 2010)**

- Mark Caissy (NRCan) Chair
- Loukis Agrotis (ESA)
- Pedro Alfaro (ESA)
- Lou Estey (UNAVCO)
- Georg Weber (BKG)
- Martin Schmitz (GEO++)
- Gerhard Wubbena (GEO++)
- Ken Macleod (NRCan)
- Alvaro Mozo Garcia (GMV)
- Manuel Hernandez-Pajares (UPC)
- Andre Hauschild (DLR)
- IGS Working Group Chairs
- IGS Analysis Center Representatives  
ex officio: R. Neilan (JPL), Jim Ray (NGS)

The working group membership may change in order to meet technical needs.

A list of Pilot Project Participants is maintained at the projects home page [www.rtigs.net](http://www.rtigs.net)