

Data Formats and Procedures Working Group Meeting  
Fujiyoshida, Japan, November 12, 2013, 19:00 – 20:30  
*Draft Minutes*

- Welcomes of members and guests.
- There have been a few changes to the membership list.
- The need of a complete and actual ILRS contact email list was discussed
  - EDC will keep that list which can be referenced from CDDIS, since Europe has no restrictions in storing addresses.
- Report on the new station change log format
  - Christian reported that up to now only three stations (McDonald, Monument Peak and Potsdam) have delivered in the new change log format to the operation centers until end of October.
  - Email to all core sites to update their station history, some stations have not delivered a change log since more than 10 years
  - Later all stations should be contacted to update their stations logs, depending on the results of the first campaign.
  - Horst shows again the new change log procedure and file structure provided by Randy (see below).
  - Erricos will provide a list with all station changes from his data base.
- CRD implementation status and format issues
  - Christian reports that still a few stations deliver data in the old CSTG resp. Merit2 format together with new CRD data.
  - After a short discussion it was decided that old format data should be dumped in future and no longer saved
  - A proposal to convert all old data into CRD was discussed and decided that EDC will start converting data and provide a procedure to be used by the operation centers.
    - The data will contain information that these are converted data
      - Comment line in the header section
      - Flag that these are reformatted data with lower precision
  - Conversion will start using CSTG normal points, only. The converted CRD data will be checked by the DGFI analysis center.
  - Some stations deliver data upper and lower case mixed. This is not allowed in future, unique means either all upper or all lower case. Stations affected will be informed.
  - Few stations deliver new data with “na” in the header. They will be informed to give more detailed information or leave that entry blank or zero.
- Data Flow
  - EDC has implemented a new procedure to validate CRD data with CPF predictions. This procedure will be tested on actual data and later expanded to all data in the EDC data base.
  - A proposal from EDC that stations should deliver normal point data to both operation centers was discussed and accepted as useful.
  - Only the responsible operation center will react in case of data problems, the

other will just ignore these data.

- EDC will provide a proposal of a data handling procedure to be discussed with CDDIS/ITTT/Exelis.
- There was no further discussion on other topics, since the available time was up.
- **Next meeting:** together with the 20<sup>th</sup> Workshop on Laser Ranging in Washington, end of October 2014.

## **Information on the new station change history log (R. Ricklefs).**

### **Need for Change to System Configuration Tracking**

- 1) Must track changes to prevent discontinuities and errors in data and data products
- 2) Without tracking system changes, our data will not be competitive with other space geodesy techniques
- 3) Few stations posted changes in old SCH/SCI formats
- 4) Some stations found requirements confusing
- 5) SCI (system baseline) is redundant with site log

### **New System Configuration Tracking Procedure**

- 1) Keep the site log up-to-date
- 2) Keep CRD configuration records up-to-date
- 3) Submit an email with the entire history log and new entries to ILRS at EDC whenever there is a significant change to the system
- 4) Follow quarantine procedures when a significant change to the measurement path is made

See [http://ilrs.gsfc.nasa.gov/network/site\\_procedures/configuration\\_files.html](http://ilrs.gsfc.nasa.gov/network/site_procedures/configuration_files.html)

### **Fields in the new Change History log**

- Site Occupation Designator (SOD)
- Year, Day of Year, Hour and Minutes when change became active
- Estimated Chance of Data Impact: 0=none, ..., 3=needs quarantine
- Subsystem number of changed component from site log (or 99 for those not in site log)
- Text – to the end of the line describing change so that station and analyst can locate and identify

### **Participants:**

#### *Members:*

Mike Pearlman  
Graham Appleby  
Florent Deleflie  
Horst Mueller  
Erricos Pavlis  
Christian Schwatke  
Chris Moore  
Martin Ploner

#### *Nonmembers:*

David McCormick  
Thomas Varghese  
Mathis Bloßfeld  
Franck Reinquin  
Reed Smith  
Ludwig Grunwaldt  
Xiaoya Wang