

## Data Formats and Procedures Working Group Meeting Riga, Latvia, October 02, 2017, 16:00 – 18:00

- Welcome to member and guests, NESC was explicitly invited.
- New site log format
  - Randy Ricklefs shows the proposed changes because of
    - restricted tracking capabilities
    - retain older survey ties as station revise site log
    - more ground target and calibration information and SRP
    - laser, and beam divergence information
    - telescope change date stamps
  - Short discussion and proposals for better naming of fields
  - Christian Schwatke spoke about on-line input and editing of the site logs and gave examples of errors from many stations' site logs as a reason this is needed.
  - It may be necessary to review format and format documents from the perspective of a non-English speaker to ensure that they are clear.
  - New site log format was approved with the understanding that the acceptable range of values for each field and which field is optional vs mandatory be provided later.
- New CRD and CPF format version 2.0
  - New format versions are necessary because of
    - Changes for unique mission (ELT)
    - Expanded configuration information for mets, software
    - Correct oversights in original formats
    - Debris tracking will be included to avoid multiple format branches
  - Longer discussion if space debris which is not supported by ILRS should be included in the new formats
- Implementation plan for new formats presented by Ricklefs
  - Finish manuals by end of 2017
  - Finish sample code by end of April 2018
  - Finish key implementations by end of July 2018
  - Wrap up implementation of CPF and of CRD at some stations by fall 2018
  - CRD implementation finished at stations by fall 2019
- Data Flow
  - Kate Stevenson explained the communication problems which prevent the double data flow
- Study Group on S/W
  - Ricklefs showed some new examples
    - Open sourced UT/MLRS lunar prediction, filtering, and normal point code with NASA permission. Now on ILRS web site
    - Herstmonceaux is open sourcing a Python version of their normal point processor, possibly later this year
  - Short discussion on license for s/w delivered to the group. The MIT license is preferred.
- Next meeting: 2018 in Canberra

**Participants:**

*Members:*

Kate Stevenson  
Graham Appleby  
Florent Deleflie  
Horst Müller  
Erricos Pavlis  
Christian Schwatke  
Chris Moore  
Jens Steinborn  
Julie Horvath  
Scott Wetzel  
Stefan Riepl  
Randall Ricklefs  
Jan McGarry  
Mike Pearlman

*Nonmembers:*

Michael Steindorfer  
Daniela Thaller  
Margarita Vei  
Johann Eckl  
Zhipeng Liang  
Ludwig Grunwaldt  
Xiaoya Wang  
Ludwig Grunwald  
Tom Varghese  
Andrea di Mira  
Peiyuan Wang  
Quirin Finke  
Evan Hoffman  
John Degnan  
Margarita Vei  
Rolf König  
Randall Carman  
José Rodriguez  
Rob Sherwood  
You Zhao  
Jorge del Pino  
Stefan Mark  
Asmund Skiaevland  
Geis Mjette  
Ingrid Fausk  
Eimar Gutun  
Ulrich Schreiber  
Kalvis Salmins