



NKG, Working Group: Positioning and Reference Frame
05th - 06th of November 2008, Statens Kartverk, Hønefoss

Participants

Sweden: Martin Lidberg, Lotti Jival, Dan Norin

Finland: Hannu Koivula, Passi Halki

Denmark: Per Knudsen, Bo Madsen, Karsten Engsager

Estonia: Priit Pihlak

Agenda:

- 1) Welcome - Practical info
- 2) Status / Brief national reports (including report from the NKG LAC)
- 3) Week 40 campaign:
 - Status of the campaign (Finn Bo Madsen)
 - Status on data compilation - Metadata and QC - (?)
 - Status of the computations (Lotti Jivall)
- 4) Other activities - WGs, NGOS, projects - (all)
- 5) ESA project on Arctic Testbed (Per Knudsen)
- 6) AOB
- 7) Next meeting
- 8) End of meeting

-1-

Torbjørn Nørbeck welcomed everybody and gave the necessary practical informations. The agenda was approved and Olav Vestøl was elected secretary.

-2-

Each country gave a short report. Sweden presented also a report from the EPN Local Analysis Centre Workshop in Frankfurt where Lotti Jival participated, and a report from the EUREF Technical Working Group meeting where Martin Lidberg participated.

-3-

Bo Madsen give a short report of what he had received so far concerning the national stations involved in the week 40 campaign. He had compiled an Excel worksheet for each country with the information available. This will be distributed, and each country must fill in the missing information. The updated worksheet should be returned within two weeks.

Quality check:

- The teqc program shall be run for all stations, and an S-file produced for every single day. Extracts from the S-file are to be put into a table. Bo Madsen will distribute an example.
- For each station a IGS site log must be produced
- After fulfilled quality check the information in the RINEX header and the IGS site log shall be consistent
- The RINEX version is 2.10 or later

- Norway, Sweden and Estonia are all responsible for the quality check of their own observation. Finland is responsible for Finland, Latvia and Lithuania, and KMS is responsible for Denmark, Greenland and the Faroe Islands.
- Dead line: 1st of January 2009

Preprocessing:

- Analysis centres and software

Denmark:	Gipsy and Bernese
Finland:	Bernese
Norway	Gipsy and Bernese
Sweden	Bernese and Gamit
Estonia:	Bernese
- Analysis centres using Gipsy or Gamit process all stations. For the Bernese calculation all centres start calculating all EPN-stations as a “back bone” for further preprocessing of their national stations.
- Martin Lidberg and Lotti Jevald make a proposal of additional stations to be included in the calculations.
- The existing guidelines for the processing were discussed. Martin Lidberg distributes a new updated version.
- Deadline for the preprocessing is the 1st of April. For the Bernese calculation only the EPN-stations has to be processed within this time frame.

-4-

Chairmen of other NKG working groups , Olav Vestøl and Martin Lidberg, gave short summaries of ongoing activities.

-5-

Per Knudsen informed about a letter sent to ESA on behalf of the Presidium where NKG offer assistance to ESA in coordinating, defining, and setting up a joint Nordic effort for the Arctic Test-bed utilizing the joint Nordic Geodetic collaboration and infrastructure.

-6-

- Martin Lidberg gave a short summary of the COST-action meeting in Newcastle.
- Bo Madsen gave a presentation of the project Greenland Network GNET. A project which aim to “Describe climate changes by GNSS monitoration of geometric deformation of the crust.”
- Karsten Engsaer demonstrated and informed about his software KMS-trans which transform between IRTF-frames and between IRTF-frames and Nordic ETRS realisations.

-7-

Next meeting 31st of March to 1st of April 2008 in Gävle.