



Tromsø, 22 - 24 June 2000

Resolution No. 1

The IAG Subcommission for Europe (EUREF)

recognising that

- in May 1999 the EUREF-Moldavia-99 campaign in Moldavia was observed,
- in June/July 1999 the EUREF-SWeref-99 campaign in Sweden was observed,
- in April 1998 the EUREF-Balear-98 campaign on the Balearic islands (Spain) was observed,

and all the results were submitted to the EUREF Technical Working Group where they were accepted as class B standard (about 1 cm at the epoch of observations)

endorses the subsets of points submitted to the EUREF Technical Working Group as improvements and extensions of EUREF89,

but considering that

- the existing EUREF points in Sweden observed during the EUREF-89 campaign, and not re-observed in later campaigns, are no longer acceptable as GPS control stations,
- three points in the Ukraine observed during the EUVN97 and EUREF-Moldavia-99 campaigns showed significant height differences,

recommends that the old Swedish points should be deleted from the EUREF database and that the Ukrainian points are not added to the EUREF database until checked.

Resolution No. 2

The IAG Subcommission for Europe (EUREF)

noting the growth of the EUREF Permanent Network (EPN) and the diversity of its applications,

recognising the need for continued provision of high quality services and products,

recommends the establishment of

- a central bureau headed by the network coordinator,
- a coordination group consisting of the network-, data flow- and data analysis-coordinators, and special projects liaisons,

for the EPN, implementing the operational policies of the EUREF Technical Working Group.

Resolution No. 3

The IAG Subcommittee for Europe (EUREF)

noting resolution 3 of the EUREF Symposium 1998 in Bad Neuenahr-Ahrweiler,

recognising the completion of the EUVN height solution, which includes GPS/levelling geoid heights,

thanks the National Mapping Agencies for their support in supplying data,

recommends that the GPS/levelling geoid heights of the EUVN solution should be used as fiducial control for future European geoid determinations,

asks the relevant authorities

- to provide the necessary information for tide gauge connections,
- to densify the network of EUVN GPS/levelling geoid heights,

to complete and extend the EUVN project.

Resolution No. 4

The IAG Subcommittee for Europe (EUREF) *noting* the recommendation of the spatial referencing workshop, in Marne-la-Vallée 27 – 30 November 1999, to the European Commission to adopt the ETRS89 for Europe wide georeferencing,

recognising the need for

- information describing the national reference systems,
- parameters to transform coordinates from the national reference systems to the ETRS89 at the 1 – 2 meter level,

urgently asks the National Mapping Agencies to support the CERCO WG VIII and EUREF TWG initiative by providing this information and allowing it to be placed in the public domain.

Resolution No. 5

The IAG Subcommittee for Europe (EUREF)

noting the recommendation of the spatial referencing workshop, in Marne-la-Vallée 27 – 30 November 1999, to the European Commission to adopt the results of the EUVN/UELN projects for Europe wide vertical referencing,

decides to define an European Vertical Reference System (EVRS) characterised by:

- the datum of 'Normaal Amsterdams Peil' (NAP),
- gravity potential differences with respect to NAP or equivalent normal heights,

endorses UELN95/98 and EUVN as realisations of EVRS using the name EVRF2000,

asks the EUREF Technical Working Group to finalise the definition and initial realisation of the EVRS and to make available a document describing the system.

Resolution No. 6

The IAG Subcommittee for Europe (EUREF), which held its tenth EUREF symposium in Tromsø from June 22-24, 2000, expresses its heartfelt thanks to the Local Organising Committee, its chairman Bjørn Geirr Harsson and the Norwegian Mapping Authority, as well as Destinasjon Tromsø, for organising the symposium and for the excellent arrangements resulting in a very successful meeting.