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The need of common standards and conventions for homogeneous data processing and consistent geodetic products

Detlef Angermann (1), Thomas Gruber (2), Michael Gerstl (1), Robert Heinkelmann (3), Urs Hugentobler (2), Laura Sanchez (1), and Peter Steigenberger (2)

(1) DGFI, Munich, Germany (angermann@dgfi.badw.de), (2) IAPG, Technische Universitaet Muenchen, Germany, (3) Deutsches GeoForschungsZentrum Potsdam, Germany

An important goal of IAG's Global Geodetic Observing System (GGOS) is to homogenize the processing of the different geometric and gravimetric observations, as a requisite for a consistent monitoring of the time-variable shape, rotation and gravity of the Earth. Towards this aim the Bureau for Standards and Conventions (BSC) has been established as a GGOS component. The key objective of the BSC is to ensure that common standards and conventions are adopted and implemented by all IAG components as a fundamental basis for the generation of consistent IAG/GGOS products, such as geodetic reference frames, Earth orientation parameters, gravity field and satellite orbits. A major task in this context is the compilation of an inventory of the numerical and processing standards based on a review of existing resolutions and all standards and conventions currently in use by the IAG Services and their contributing analysis centres for the data processing and for the generation of geometric and gravimetric products. This presentation will focus on such a product-based inventory. The current status regarding standards and conventions is discussed and some examples for selected IAG/GGOS products are presented.