National Report of Northern Ireland

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Presentation to EUREF 2016 symposium, 26th May 2016
Donostia-San Sebastián, Spain
Geodetic work in the last year

• Continued development and testing for release of the new height model for Great Britain & Ireland, OSGM15. Preliminary figures: Post Fit Residual 1.4cm, RMSE 2.8cm

• Continued data contribution to:
  – EPN Permanent GNSS Network (Stations BELF, ENIS, FOYL)
  – EPN Real-Time Analysis (Station BELF)
  – Met Office UK (EUMETNET E-GVAP)
  – British Isles GPS Archive facility BIGF (hosted by IESSG at the University of Nottingham)
  – Any NI Government department as part of NIMA
Geodetic work in the last year

- Destruction of the BELF EPN station due to construction work.
- Identified a possible replacement site for BELF.
- Installation of a new GNSS reference station at Bangor (BNGR) on the East Coast of NI.
Planned 2016/17 Developments

• Implementation of the EUREF IE/UK 2009 campaign realisation of ETRS89 as the official positioning framework in Northern Ireland along with OSGM15.

• Replacement of the EPN functions of the BELF station with a rock-anchored station.

• Installation of a new GNSS station to densify the RTK network.

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Planned 2016/17 Developments

• Re-painting of the railings on the Lough Foyle Base Towers.

• Investigation into the possibility of establishing absolute gravity stations in Ireland.

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Thank you for your attention

Geoff Bell

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