

# National Report of Northern Ireland

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## Geodetic work in the last year

- Observations to improve and densify the dataset used to compute the OSGM02 Geoid model
- Remaining existing Fundamental Bench Marks officially protected as “listed” monuments
- LPS NetworkRTK corrections now supplied to any Northern Ireland government department as part of NIMA
- 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)

## Planned 2011/12 Developments

- Computation and implementation of a new Geoid model to replace OSGM02 as the approved method of determining Orthometric heights in Northern Ireland wrt Belfast Datum
- Implementation of the EUREF IE/UK 2009 realisation of ETRS89 as the official positioning framework in Northern Ireland
- Improvement of the Geodetic infrastructure by the installation of a new “rock anchored” permanent GNSS station

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Ordnance Survey Ireland (OSi) is the National Mapping Agency of Ireland who together with LPS jointly maintain the geodetic infrastructure for the whole island

2 stations proposed for contribution to EPN