

Using and Understanding the On-line Positioning User Service (OPUS) – an 8-hour seminar

The national Geodetic Survey (NGS) operates the On-line Positioning User Service (OPUS) as a means to provide GPS users easier access to the National Spatial Reference System (NSRS). OPUS allows users to submit their GPS data files to NGS, where the data will be processed against the Continuously Operating Reference Station (CORS) network to determine a position using NGS computers and software. This seminar will discuss:

- The history and development of OPUS products
- A discussion of OPUS accuracies (and things that affect the accuracies)
- Recommended collection procedures, data requirements, and data management
- A discussion of how to use each of the OPUS products and how they work
- An in-depth look at the output of OPUS and a discussion of OPUS statistics and quality indicators
- What can be done to make a poor solution better?
- A discussion on datums and coordinate systems for OPUS
- The recent CORS Multi-Year Solution and National Adjustment of 2011

Participants are encouraged to bring their own laptop and data