

# National Report of Great Britain

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# OS Net activity

- Server hardware and configuration upgrades have enabled “end to end” GPS+GLO+GAL+BDS RINEX 3 data flow
- A dedicated data management server allows RINEX 3 submissions to EPN and EPOS
- Production servers now a physical “live/live” load balanced clustered pair with a cloud-based disaster recovery server
- All OS Net station log files are now managed via the M<sup>3</sup>G web site
- A trial of 4G back up communications links is ongoing



# GENS – “GNSS Event Notification Service”

- An ESA sponsored project with support from the UK Space Agency under the NAVISP programme  
*<https://navisp.esa.int/project/details/116/show>*
- Recent OS Net receiver upgrade (Trimble Alloy and Sepentrio PolaRx5) allows for direct access to raw GNSS spectrum data which feeds into the GENS project
- Project is creating an initial national demonstration capability for GNSS event notification.
- Utilising a suite of nationally available sensors and other data sources (OS Net plus others) GENS is designed to integrate multiple inputs to provide and enable GNSS service threat identification and response.
- The current GENS project will deliver a pre-operational capability to manage GNSS threats and vulnerabilities for a wide variety of stakeholders, including critical infrastructure.

# Thank you

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