International Member
Regional Update
Australia

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Presentation Outline

- Australia’s move to a Dynamic Datum;
- Continuing Evolution of Precise Positioning;
- National Positioning Infrastructure ~ SBAS Trial;
Video on Modernising Australia’s Datum
Available at: https://vimeo.com/191566518
Continuing Evolution of Precise Positioning

Accelerating development of
Satellite positioning technology and applications
Smartphone Positioning is Evolving Quickly

**GNSS mobile apps: using Nougat to access raw GNSS measurements**

Published: 01 December 2016

The ability to access raw GNSS measurements opens up a range of possibilities and opportunities.

The ability to access raw GNSS measurements opens up a range of opportunities for mobile app developers, but how do you access the data? During the first European GNSS Agency (GSA) Galileo Hackathon at the WhereCamp ‘unconference’ in Berlin Dr Lukasz Bonenberg from the University of Nottingham explained how app developers can access raw GNSS measurements on smartphones via the latest release of the Android operating system.


**PPP WizLite**

Precise Point Positioning for smartphones based on algorithms from the French Space Agency

Source: Google Play, Early 2017

**Next version of Android will support true multi-constellation multiple frequencies (L1 and L5) and a jamming detector**

Source: GPS World May 2017

**Dual-frequency receiver and dual processor in Broadcom’s new L1/L5 chip.**

Source: GPS World September 2017

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National Positioning Infrastructure (NPI)

Source: Geoscience Australia
SBAS Trial Performance (L1 Geo)

- Also Dual Frequency Multi-Constellation;
- and PPP Service

Source: Dawson, GA ~ Presented to NPI-AB October 2017

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Thanks for your attention - matt.higgins@qld.gov.au