

ECAS

(Emerging Capabilities, Applications, and Sectors)

subcommittee report. v1.1

Frank van Diggelen, Scott Burgett, Bryan Chan

Committee members

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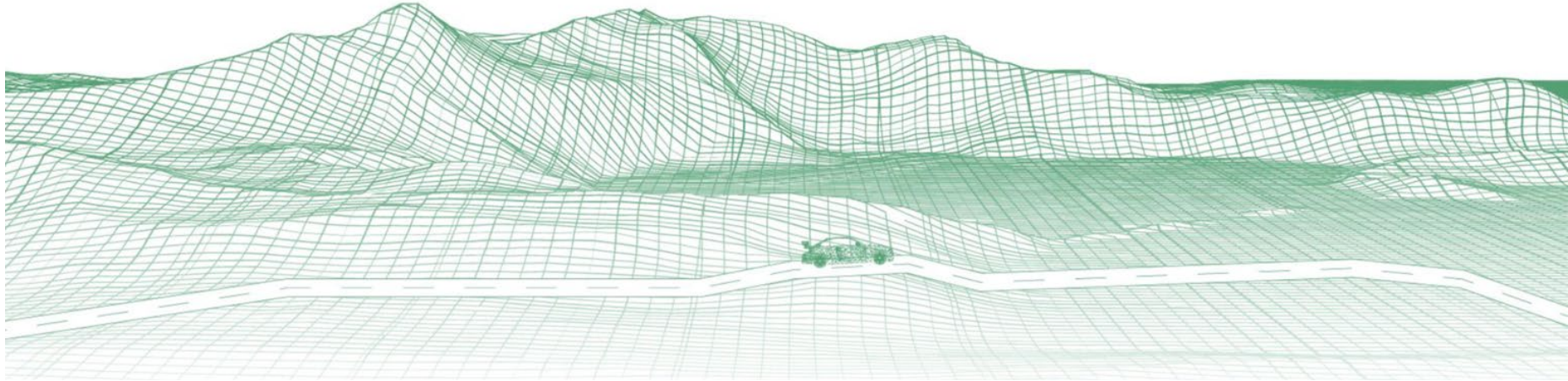
Todd Walter

Vahid Madani

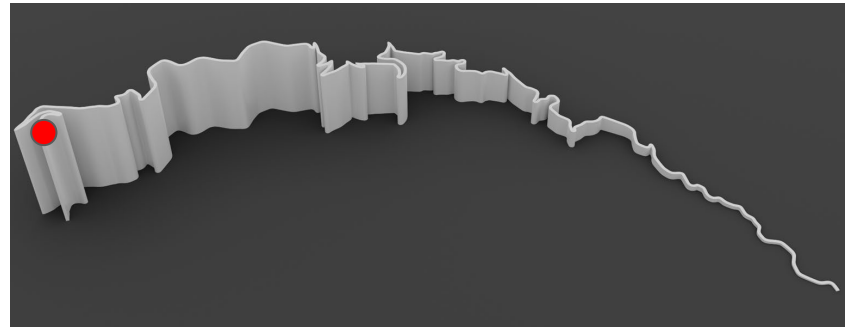
Agenda for April

- Tern.ai presentation
- Update on HARS
- Plans for future meetings

Shaun Moore,
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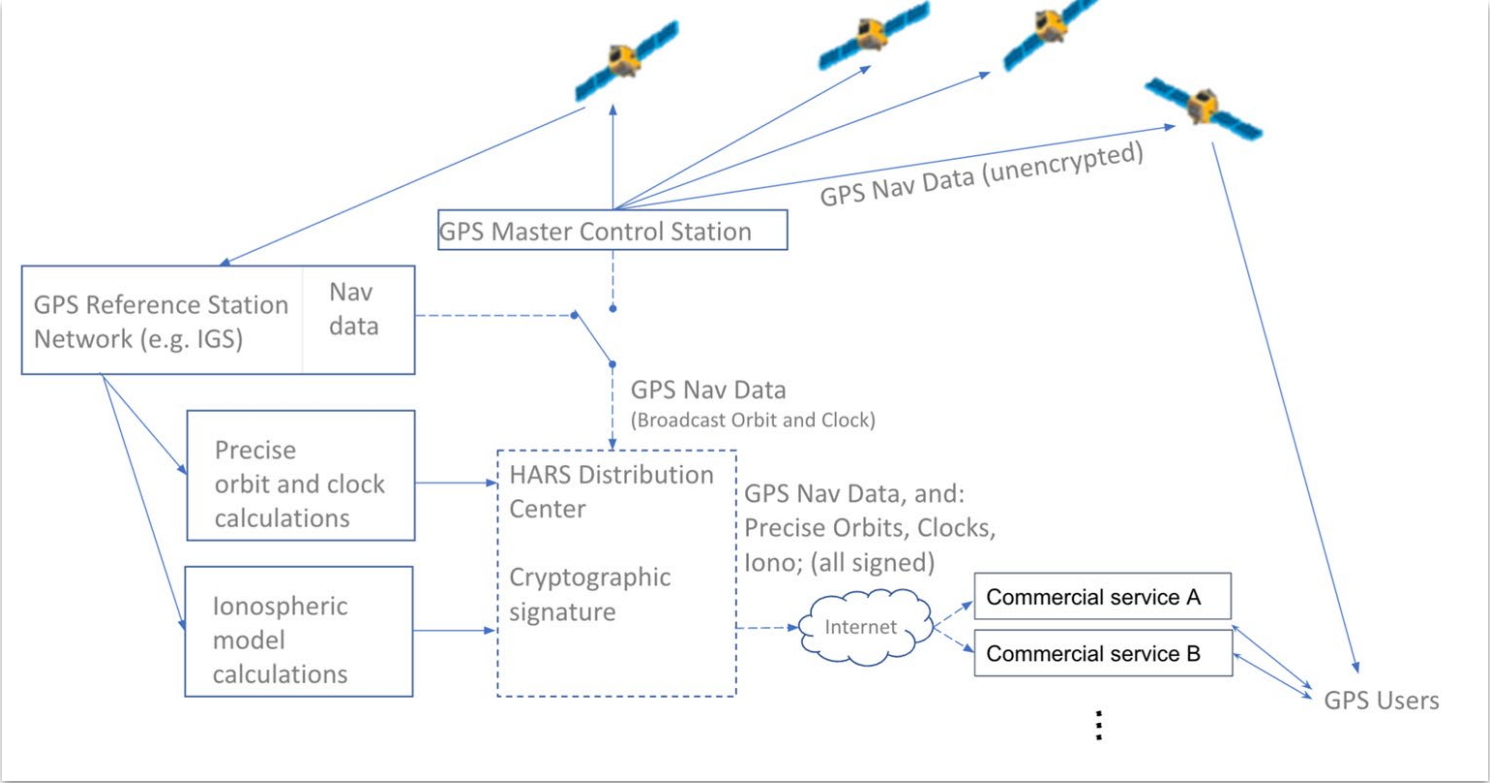


Location using digital 3D map + car sensors,
and no GNSS



HARS Update

High Accuracy and Resiliency Service



HARS status, developments

- Lots of industry interest
- Especially in “R”: Robustness via Nav Data distribution
- Still need a government owner of this proposed program



“Apple also supports the HARS proposal to include access to satellite navigation data via the internet.”

HARS developments and next steps

- We will update the white paper with a deep dive into the “R”: Robustness achieved by distribution of Nav data. By Next PNTAB meeting.
- Upcoming paper at ION GNSS+ conference, Sep 2024
“Nav data bits for increasing sensitivity and robustness in GNSS receivers”
Frank van Diggelen, Tim Murphy, John Betz

Plans for future meetings

- Renato Filjar preparing a white paper on AI use for PNT
- Focus in LEO constellations and use for PNT

Led by Scott Burgett and Bryan Chan, vice chairs.

