UK Blackett Review (GNSS) Update

Andy Proctor, Technical Director (GNSS)
UK Space Agency
Recap

- Why and how to we use GNSS?
- What sources do we actually use?
- What standards & regulations apply?
- Resilience, existing and future?
- 12 recommendations…
Recommendations recap

1. Improve understanding and awareness of dependence on GNSS

2. Change the way the Government approaches PNT and its guidance to critical services. Mitigating dependence

3. Improve and strengthen the legislative framework. Prepare for the future
Key Findings

• GNSS awareness out of step with dependence
• Knowledge of vulnerabilities and weakness of GNSS not widespread enough
• Resilience improvement is needed across all critical services (inc CNI) including philosophy of approach. No magic single solution.
• We must prepare now for future technologies, skills and product needs to secure future PNT services

• Protect spectrum and address risks & interference issues
• Have a formal internal (government) advice system and deploy GNSS backup systems where appropriate
• Address common terminologies, procurement approaches, legislation,

• The UK is well placed globally to actually do something about it
So what....

- First up: Recommendation #9
  - What are the UK’s PNT facilities?
  - How do people access them?
  - Are they sufficient?
Publishing PNT Facilities

- Online facilities tool
- Publish report
- PR?
- When – not certain yet
PNT Technical Group

- Fully formed
- Academia, Industry & Government Partnership
- Currently addressing awareness, guidance standards and evidence
- Co-Chaired by Royal Institute of Navigation
Blackett Review Implementation Group

- Policy focused cross-government formal group
- Chaired by the Cabinet Office
- Reporting to the National Security Framework
Thank you

Questions?

@innovateandy