

# **Inter–Agency Space Debris Coordination Committee**



## **IT 37.1**

### **Preparation for a Future Beampark Campaign**

42nd IADC Meeting  
Bengaluru, India  
16-19 April 2024

**Coordinators: Jan Siminski, Tim Payne**

# Summary

- 3 pencil-beam radars (ESA, NASA), 2 phased array systems (ISRO, JAXA)
- **Preferred pointing:** pencil-beam 75-E / high-elevation for phased array
  - To increase participation from delegations
  - Better detection performance
  - Covers constellation inclinations
    - Difficulty to distinguish large satellites in side lobes and small debris main lobe
- **Timeframe:** Target date end of 2024, allowed time-window? (WG2 input).
- **Duration:** Flexible depending on sensor
- **Output:** Detection tables of binned distributions of size, doppler inclination and altitude

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Meeting

22/04/2024