Strengthening International Security through Global Space S&T Cooperation

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Changing Nature of the Space Domain

• Shift in how we approach space affects possibilities for space cooperation

• Goal: *stable, predictable space environment*
  – Will allow us to enjoyed continued benefits from use of and access to space
  – Importance of space security and stability to national security
Threats to Space Security and Stability

- Space weather
- Space debris
- Radio frequency interference
- Anti-satellite weapons (ASATs)
USG Space Guidance

- Obama Administration’s 2010 National Space Policy
- 2011 National Security Space Strategy
- 2012 Defense Strategic Guidance
- 2012 Pentagon Space Strategy

- Overall: emphasis on *international cooperation, responsible space behavior*
International Approaches to Space Cooperation

• Four main treaties

• 2008 Proposed Treaty on the Prevention of Placement of Weapons in Outer Space, the Threat or Use of Force Against Outer Space Objects *(PPWT)*

• Deadlocked UN Conference on Disarmament *(CD)*

• UN Committee on Peaceful Uses of Outer Space *(COPUOS)*

• UN *Group of Government Experts* on Space TCBMs

• International *Draft Code of Conduct* for Outer Space Activities
Space as Soft Power Outreach

- A good route for *establishing relationships*

- Case study: *China*
Roadblocks to Space Cooperation

• Export controls

• Data-sharing issues

• Lack of reciprocity

• Political issues

• Overall: the *space domain has changed*, so how we approach *cooperation in space must evolve* with it.
Questions?

Thanks!

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