



Ground System Architectures Workshop ***Driving Innovation for Enterprise Integration***

February 23–March 3, 2022 | Virtual Event

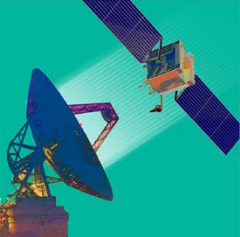
Working Group I

Leveraging New Space for Ground System Enterprise Evolution

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OSAAP/NESDIS/NOAA
March 2, 2022

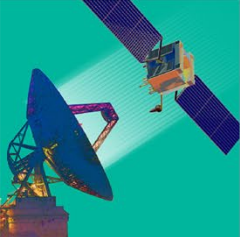
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Agenda

- *Introduction*
- *Panel Introductions*
- *Agency Perspectives*
- *Industry Perspectives*
- *FFRDC Perspective*
- *Panel Discussion*
- *Questions from the floor*

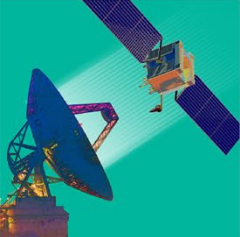
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GOALS

This Working Group is formed to:

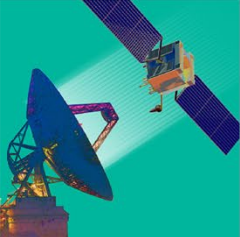
- Establish a collaborative forum among experts and decision makers***
- Discuss and evaluate the evolution of future ground systems***
- Identify disruptive trends affecting the traditional ground system models***
- Assess/ReAssess the role of commercial services in ground systems***



WG 2022 GOALS

In GSAW 2022, Working Group aims at:

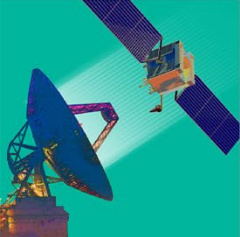
- Engaging a broad range of government agencies, industry, and international partners involved in ground system enterprise*
- Assessing the role of commercial services in the future satellite ground enterprise and their potential impacts on current business models*
- Reimagining the government/contractor dynamics and exploring transformational technology and services that will impact the status quo*



WG 2022 GOALS

In GSAW 2022, Working Group aims at (cont'd):

- *Evaluating strategic business practices of government agencies such as acquisition practices, regulatory changes, and cultural transformations*
- *Assessing how changes in these business practices may enable exploitation of relevant commercial technology and business services effectively, affordably, and securely.*

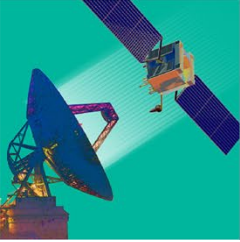


Leveraging New Space for Ground System Enterprise Evolution

Agency Perspective

Where we are Now:

- *Government ground system enterprises have traditionally consisted mainly of Government Owned/Government Operated solutions.*
- *New Space is potentially highly disruptive to current ground operations business practices.*
- *Innovation in the ground system enterprise is an essential enabler for innovation in flight architectures and new generations of constellations*

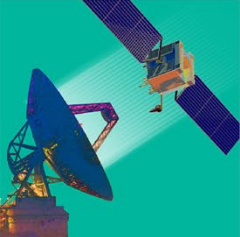


Leveraging New Space for Ground System Enterprise Evolution

Agency Perspective

The Future:

- ***An emerging trend of commercial ground system enterprises and SATCOM Stations is beginning to disrupt this traditional model.***
- ***Move towards fully outsourcing satellite operations services or hybrid solutions that integrate both government and commercial services***
- ***Fully outsourced and hybrid solutions will enable highly agile and efficient ground operations that support future expanding flight systems***



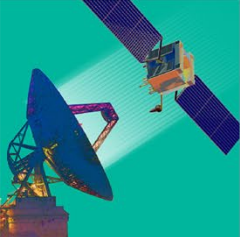
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Agency Perspective

Agency Questions:

- *How to leverage New Space within government:*
- *How does the government take advantage of rapid innovations and commoditization of commercial space services?*
- *How does government position itself to effectively to acquire ground services rather than developing and purchasing ground systems?*
- *How does government take advantage of industry's willingness to invest in new ideas and take business and technological risks?*

Working Group I



Desired Outcome for GSAW 2022 WG:

- To formulate and agree on permanent goals for the Working Group*
- To establish a body of knowledge to share lessons learned*
- To discuss the changes roles of government and commercial services*
- To plan for the next forum*