

EXPLORE

Class D SmallSat Mission Acquisition Considerations

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- Small satellites have created the opportunity to propose mission concepts with “**Distributed Satellite System (DSS*) Architectures**”

- Consistent Terminology
- Instrument System Calibration
- Systems Engineering Approach
- Multiple Unit Development
- Operations and Ground Systems
- Mission Level Reliability

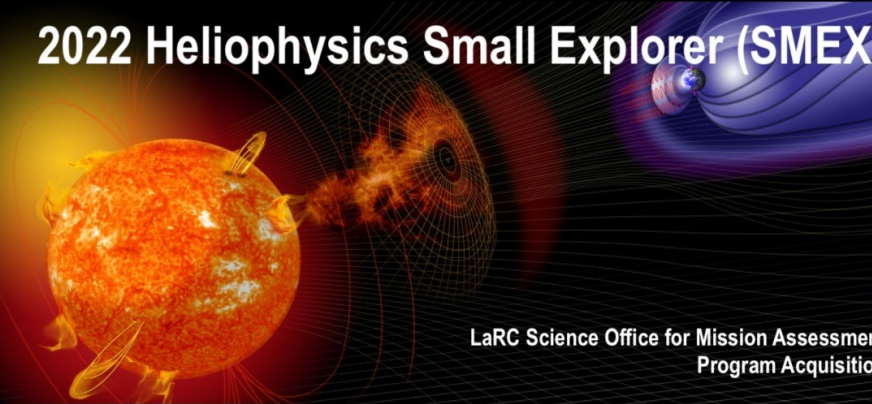
* A DSS is a mission architecture consisting of multiple space elements that collectively accomplish the mission’s objectives.



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2022 Heliophysics Small Explorer (SMEX)



LaRC Science Office for Mission Assessments
Program Acquisitions

++ HPSMEX22 SMEX

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+ Solicitation

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Strategic Documents

1. [2022 NASA Strategic Plan](#), NPD 1001.0D
2. [Science 2020-2024: A Vision of Scientific Excellence](#)
16. [Heliophysics Explorers Budget Summary, Exhibit A](#)
17. [NASA New Start Inflation Index](#)
18. [Policy and Requirements for SMD Communications for Flight Missions](#), SPD-26B
19. [Policy and Requirements for SMD External Web sites](#), SPD-29
20. [Scientific Information policy for the Science Mission Directorate](#), SPD-41
21. [CUI Portion Marking Sample](#)
22. Class D Documents
 - a. [NASA Science Mission Directorate \(SMD\) Class-D Tailoring/Streamlining Decision Memorandum](#)
 - b. [Science Mission Directorate Class D Town Hall Presentation](#)
 - c. [TROPICS Project Plan](#)
 - d. [FMG Expectations on SMA-related Program Requirements for NASA Class-C and Class-D Payloads](#) (deleted 7/6/2022)
 - e. [Guidance and Expectations for Small Category 3, Risk Classification D \(Cat3/ClassD\) Space Flight with Life-Cycle Cost under \\$150M](#)
 - f. [Guidance For DSS Architectures For Class D Missions](#)
 - g. [Approved Deviation from FAR and NFS EVMS Policy for SMD Class D](#)

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