



NASA STTR 2012 Phase I Solicitation

T8.01 Innovative Subsystems for Small Satellite Applications

Lead Center: GSFC

Participating Center(s): ARC

This STTR solicitation is to help provide advanced technologies for satellites with masses less than approximately 20 kg and volumes less than approximately 10,000 cm³. Components or subsystems are sought that demonstrate a capability that is applicable to orbital missions to 800 km and mission durations up to 2 years. New approaches, subsystems, and components are sought that will:

- Substantially reduce the resources (cost, mass, volume, or power).
- Provide satellite bus capabilities that increase the capabilities of very small satellites while meeting the significant constraints imposed by the very limited size and mass of the observatory.

Components and subsystems are required that consider the severe mass, volume, and power constraints imposed by very small spacecraft.