

CUBESAT QUESTIONNAIRE

1. The set of parameters in the CUBESAT catalog serve as only a starting point for meeting missions' spacecraft requirements.
2. This catalog identifies the characteristics of each cataloged CUBESAT in the contract baseline configuration.
3. Each CUBESAT may be capable of being modified to support other mission needs (TBD)

		SUPPLIER NAME:	TBD
		PARAMETER	UNITS
Compatibility		Orbit Average Payload Power (EOL)	Watts
		Maximum Payload Mass	Kg
		Bus Dry mass (w/o Payload)	Kg
		Science Data Downlink	kbps
		Science Data Storage (Capacity)	Mbit
		Pointing Knowledge	arcsec
		Pointing Control	arcsec
		Pointing Stability (Jitter)	arcsec/sec
		Slew rate	deg / min
		Mission Design Life	months
		Compatible LVs	(names)
		Nominal Orbit	Altitude, Inclination, Type, Other
		External Payload Volume	meters
		Internal Payload Volume	meters
		Additional Info	
Description		ACS	type
		Attitude Sensors (e.g. Star Trackers, sun sensors etc.)	Names & # units
		Attitude Effectors (e.g. Reaction Wheels, Torquer Bars etc.)	Names & # units
		GPS	# receivers
		Batteries	cell type/capacity (Ah)
		Solar Arrays	cell type/Area (m2)
		Main Bus Voltage Range	volts

	Power Subsystem Architecture	description	
	C&DH Bus Architecture	description	
	Mass Storage	Mega Bytes	
	Downlink Formats	CCSDS, STDN, etc	
	Comm Up\Downlink Band	S, X, UHF, Ka, Ku, etc.	
	Structure	description	
	Propulsion	type, fuel	
	Propellant Capacity	kg	
	Max delta V	m/s	
	Additional Info		
Programmatic	Heritage mission(s)	name(s)	
	Nominal schedule (Inception to bus delivery)	months	
	Nominal schedule (Inception to Observatory delivery)	months	
Contract Options	Contract Option #1	description	
	Contract Option #2	description	