

ATTACHMENT J

RAPID IV RFP

SPACECRAFT SUMMARY DATA SHEET

Date TBD

(TO BE SUBMITTED UPON ISSUANCE OF THE ONE-TIME DO)

Rapid IV - Spacecraft Summary Data Sheet - Attachment J

		SAMPLE (Delete this column from submitted form)	Venture Satellite Corporation	Company Name	Company Name	Company Name	Company Name
		Units	SuperSat-1	Core S/C 1 name	Core S/C 2 name	Core S/C 3 name	Core S/C N name
Compatibility	Orbit Average Payload Power (EOL)	W (EOL)	100				
	maximum payload mass	kg	150				
	Bus Dry mass (w/o Payload)	kg	150				
	Science Data Downlink	kbps	1000				
	Science Data Storage (Capacity)	Mbit	256				
	Pointing Knowledge	arcsec	360				
	Pointing Control	arcsec	3600				
	Pointing Stability (Jitter)	arcsec/sec	10				
	Slewwrate	deg/min	n/a				
	Mission Design Life	years	2				
	Compatible LVs	(names)	Delta II, Pegasus				
	Nominal Orbit	Altitude, Inclination, Type, Other	500 km, 98 deg, Sun Synch				
	Types of Orbits Available	as needed	LEO from 28.5 to 98 deg, up to 1000km				
	External Payload Volume	meters	1m dia x 1.5 m h				
Internal Payload Volume	meters	2 bays, .4 & .2 m3					
Description	ACS	type	spinner, 3-axis, etc.				
	Star Trackers	# of STs	2				
	GPS	# receivers	1				
	Batteries	cell type/capacity (Ah)	NiCd/20 Ah				
	Solar Arrays	cell type/Area (m)	Single Junction GaAs, .5m2				
	Main Bus Voltage Range	volts	28-34				
	C&DH Bus Architecture	description	1553				
	Downlink Formats	CCSDS, STDN, etc.	STDN				
	Comm Up\Downlink Band	S, X, UHF, Ka, Ku, etc.	S-band				
	Structure	description	Al Honeycomb Hexagon				
	Propulsion	type, fuel	Mono-prop (N2H4)				
	Propellant Capacity	kg	50				
	Max delta V	m/s	5				
	Programmatic & Other	heritage mission(s)	name(s)	SuperSat, CometSat			
nominal schedule		months (ATP to ready for payload I&T)	24				
nominal schedule		months (ATP to launch)	36				
Options	Option Name						
	Contract Option #1		Enhanced Data Storage				
	Contract Option #2		Power Upgrade Package				
	Contract Option #3		Ground Operations Center				
Contract Option #N		etc.					