Company   Comp				T 5100		T ( 1000 0		07.070/
Married   Marr			Score		Judge 2			
March   Marc	Introduction	Expectations	OCOIE	Comments			OCOIC	Comments
March   Marc	December of the Continue				Proceeds the Coultry			
March   Marc	Presentation Outline				Presentation Outline			
Anna	Town Occasionism	than 10 students allowed. Faculty not			Town Ownerholder	than 10 students allowed. Faculty not		
March   Marc	Team Organization		2		Team Organization		2	
Company   Comp	Acronyms		2			definitions.	2	
March 1999   Mar	Systems Overview	Description of mission, Copying from			Systems Overview	Description of mission. Copying from		
Second Control Contr	Mission Summary	the guide is fine.	2		Mission Summary	the guide is fine.	2	
Act   March								
Proceedings	System Requirement Summary		2			altitudes, mode of descent.	2	
Command   Comm	System-Level CanSat Configuration Trade & Selection	Picture and description of overall			System-Level CanSat Configuration Trade & Selection	Picture and description of overall		
Contact   Anthony   Contact   Cont		structure showing payload descent				structure showing payload descent		
Section   Sect	Configuration A, with diagrams		2		Configuration A, with diagrams		2	
Anterior of the state of the	Configuration B, with diagrams	different design.	2		Configuration B, with diagrams	design.	2	
Protection of the control of the con	Selection and rationale		2		Selection and rationale		2	
Amount of states of all of the company of the compa	Physical Layout	or readons for ecodotion.	_			or reasons for delection.	_	
Amount of states of all of the company of the compa		Dicture of payload chawing				Disture of payload showing		
The control of the co		dimensions of structure and any				dimensions of structure and propellers		
Process of the proc	Dimensions		2		Dimensions		2	
Proposed per la province de la provi	Simulation IS	Shows location of electronic			Simulation 10	Shows location of electronic		
Sees product minimal continue with a service of segment of the continue with a service of segment of the continue of the conti	Placement of Major Components		2		Placement of Major Components		2	
Learn Designation  Annual process Services Servi	Fracement of Major Components		Z		Placement of Wajor Components			
See	Laurah Canfiguration	any parts that need stowing in	_		Laurah Canfauration	any parts that need stowing in stowed	_	
Decrey Congress Congr	Launch Configuration		2		Launch Configuration		2	
Anne Conneg of Commission  Anne Conne Conneg of Commission  Anne Conneg of Commission  Anne Conneg of	Deployed Configuration	with all parts deployed.	2		Deployed Configuration	with all parts deployed.	2	
System Compati of Diseasthms  System								
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Sector Delayerin Neuron   Sector Delayerin Registration   Sector Delayering Registration   Sector Delay								
Series Contingence Contingence   Description of Assessment   Description of Assessme		dimensions provided in guide.	2			dimensions provided in guide.	2	
Secret Color Discover Degramment  Form of Support Register Trade & Selection  Form of Support Register Trade &		Brief description of sensors	2			Brief description of sensors	2	
Paymond Air Pressure Seneror Trade & Selection   Convey Collinear of pressure senerors   Convey Collinear of pressure senerors	Sonor Suboustom Poquiromento		2		Sonoar Subouctom Paguiromento	List all requirements related to conserv	2	
Table (2 or more sensors)  Section makes of reaching and reasons  Papera of A Expectation (Indian)  Section makes of the makes of the control	Payload Air Pressure Sensor Trade & Selection	Selisois				List all requirements related to sensors		
Selection (with rothers)  Selection (with ro	Trade (2 or more sensors)		2		Trade (2 or more sensors)		2	
Paymont of Progression Sensor Trade & Selection Show at least 2 different tomps Trade (2 or more sensor) Sensor in the project for sensor and the project for each. Trade (2 or more sensor) Sensor in the project for each. Trade (2 or more sensor) Trade (2 or more sensor) Sensor in the project for each. Trade (2 or more sensor) Trade (2 or more sensor) Sensor in the project for each. Trade (2 or more sensor) Trade (2 or	Trade (2 of more sensors)				Trade (2 of more sensors)	with speed for each.	-	
Table (2 or more sensors) Selection (1) microsis or sensors with spect or seed. 1 2		provided	2	Altitude is in meters?		Selection made and reasons provided	2	
Selection made and reasons provided PS Sentence Trade & Selections and an examinary provided PS Sentence Trade & Selections (PS Sentence Trade & Selections)  Selection made and reasons (PS Sentence Trade & Selections)  Selection made and reasons (PS Sentence Trade & Selections)  Selection made and reasons (PS Sentence Trade & Selections)  Selection made and reasons (PS Sentence Trade & Selections)  Selection made and reasons (PS Sentence Trade & Selections)  Selection made and reasons (PS Sentence Trade & Selections)  Solicitude (PS Sentence Trade & Selec	Payroad Air Telliperature Sellsor Trade & Selection	Show at least 2 different temp.			rayload Air Telliperature Sellsor Trade & Selection	Show at least 2 different temp.		
Selection (with criteria) provided 2 2 Selection (with criteria) Solicition region and reasons growded 2 Selection make and reasons growded 3 Selection (with criteria) Selection region and search growded 2 Selection region and search growded 3 Selection make and reasons growded 3 Selection region and search growded 3 Selection region and search growded 3 Selection region and reasons growded 4 Selection search growded 3 Selection region and reasons growded 4 Selection search growded 4 Selection make and reasons growded 4 Selection make and reasons growded 4 Selection search growded 4 Selection make and reasons growded 4 Selection feeting 1 Selection make and reasons growded 4 Selection make and reasons gro	Trade (2 or more sensors)		2		Trade (2 or more sensors)	sensors with specs for each.	2	
Shee to least 2 GPS with with 1 pages 2 Selection made and reasons 2 Selection (with criteria) Selection made and reasons 2 Selection (with criteria) Selection made and reasons 2 Selection made and reasons 2 Selection (with criteria) Selection made and reasons 2 Selection (with criteria) Selection made and reasons 2 Selection (with criteria) Selection made and reasons 2 Selection made and reasons 2 Selection made and reasons 2 Selection 2 Selection with selection 3 Selection made and reasons 2 Selection 3 Selection 3 Selection made and reasons 2 Selection 3 Selection 3 Selection 3 Selection made and reasons 2 Selection 3 Selection 3 Select	Selection (with criteria)		2		Selection (with criteria)	Selection made and reasons provided	2	
Trade (2 or more sensors)  Selection made and reasons provided pro	GPS Sensor Trade & Selection	Oh and a share of O O O O O O O O O O O O O O O O O O			GPS Sensor Trade & Selection			
Selection with criteria provided 2 Selection made and reasons provided 3 Selection made and reasons provided 4 Selection made and reasons provided 5 Selection made and reasons provided 6 Selection made and reasons provided 6 Selection made and reasons provided 7 Selection made and reasons provided 7 Selection made and reasons provided 9 Selection made and reasons provided	Trade (2 or more sensors)	specs.	2		Trade (2 or more sensors)	Show at least 2 GPS units with specs.	2	
Payload Power Voltage Sensor Trade & Selection   Show at least 2 different Payload power voltage sensors with space for each of seach   Show at least 2 different Payload power voltage sensors with space for each of seach   Show at least 2 different Payload power voltage sensors with space for each of seach   Show at least 2 different payload power voltage sensors with space for each of seach   Show at least 2 different are speed each   Show at least 2 different	Colonting (with criteria)		_			Calcation made on the control of the	_	
Show at least 2 different Payload power voltage sensors with specs for each section made and reasons provided persons with specs for each selection made and reasons provided persons p	Selection (with criteria) Payload Power Voltage Sensor Trade & Selection	provided	2			Selection made and reasons provided	2	
Trade (2 or more sensors) selection made and reasons provided special formation and made and reasons provided special formation and reasons special formation and								
Selection (with criteria)  Air Speed Sensor  Air Speed Sensor  Show at least 2 different air speed sensors  Trade (2 or more sensors)  Selection (with criteria)  Selection made and reasons provided  Selection made and reasons provided  Selection (with criteria)  Selection made and reasons with specs for each sensors with specs for each sensor with specs for each sensors with specs for each s	Trade (2 or more sensors)	power voltage sensors with specs for each.	2		Trade (2 or more sensors)	power voltage sensors with specs for each.	2	
Air Speed Sensor  Trade (2 or more sensors)  Show at least 2 different air speed sensors with specs for each  Selection (with criteria)  Selection made and reasons  provided  Trade (2 or more sensors)  Selection (with criteria)  Selection (with criteria)  Selection (with criteria)  Selection (with criteria)  Selection made and reasons  provided  Trade (2 or more sensors)  Selection (with criteria)  Selection (with criteria)  Selection (with criteria)  Selection made and reasons  provided or statement that none is used.  Trade (2 or more sensors)  Selection (with criteria)  Selection (with criteria)  Selection made and reasons  provided or statement that none is used.  Trade (2 or more sensors)  Selection (with criteria)  Selection (with criteria)  Selection made and reasons  provided or statement that none is used.  Trade (2 or more sensors)  Selection (with criteria)  Selection made and reasons  provided or statement that none is used.  Trade (2 or more sensors)  Selection (with criteria)  Selection made and reasons  provided or statement that none is used.  Trade (2 or more sensors)  Selection (with criteria)  Selection made and reasons  provided or statement that none is used.  Trade (2 or more sensors)  Selection (with criteria)  Selection made and reasons  provided or statement that none is used.  Trade (2 or more sensors)  Selection (with criteria)  Selection made and reasons  provided or statement none is used.  Trade (2 or more sensors)  Selection (with criteria)  Selection made and reasons  provided or statement that none is used.  Trade (2 or more sensors)  Selection (with criteria)  Selection made and reasons provided  Trade (2 or more sensors)  Selection made and reasons provided or statement none is used.  Trade (2 or more sensors)  Selection made and reasons provided or statement none is used.  Trade (2 or more sensors)  Selection made an		Selection made and reasons	_			Colonian martine des		
Show at least 2 different air speed sensors with specs for each essens with specs for each essens with specs for each particulate/bust Sensor   Particulate/bust Sensor	Selection (with criteria)  Air Speed Sensor	provided				Selection made and reasons provided	2	
Selection (with criteria) Particulate/Dust Sensor  Show at least 2 different particulate/dust sensor with specs for each for each provided or statement that none is used.  Selection (with criteria) Selection (with criteria) Selection made and reasons provided or statement than none is used.  Selection (with criteria) Show at least 2 different air pressure sensor Trade and Selection Show at least 2 different air pressure sensor for the container, with specs for each or statement that none is used.  Trade (2 or more sensors) Selection (with criteria) Selection (with criteria) Selection made and reasons provided Trade (2 or more sensors) Selection (with criteria) Selection made and reasons provided or statement that none is used.  Trade (2 or more sensors) Selection (with criteria) Selection (with criteria) Selection made and reasons provided or statement that none is used.  Trade (2 or more sensors) Selection (with criteria) Selection (with criteria) Selection made and reasons provided or statement none is used.  Selection (with criteria) Selection (with criteria) Selection (with criteria) Selection made and reasons provided or statement none is used.  Selection (with criteria) Selection (with criteria) Selection made and reasons provided or statement none is used.  Selection (with criteria) Selection (with criteria) Selection made and reasons provided or statement none is used.  Selection made and reasons provided or statement none is used.  Selection (with criteria) Selection made and reasons provided or selection control configuration for container and payload.  Selection (with criteria) Selection (with criteria) Selection (wit			_				_	
Selection (with criteria) Particulate/Dust Sensor Show at least 2 different particulate/dust sensors with specs for each Trade (2 or more sensors) Selection (with criteria) Selection made and reasons provided Trade (2 or more sensors) Selection made and reasons provided Selection (with criteria) Selection made and reasons provided Selection (with criteria) Selection (with criteria) Selection (with criteria) Show at least 2 different air pressure sensor Trade and Selection Show at least 2 different air pressure sensor Sor the container, with specs for each or statement that none is used. Trade (2 or more sensors) Show at least 2 different air pressure sensors for the container, with specs for each or statement that none is used. Trade (2 or more sensors) Selection (with criteria) Selection made and reasons provided Trade (2 or more sensors) Selection (with criteria) Selection made and reasons provided Trade (2 or more sensors) Trade (2 or more sensors) Selection (with criteria) Selection (with criteria) Selection made and reasons provided Trade (2 or more sensors) Selection (with criteria) Selection (with criteria) Selection made and reasons provided Trade (2 or more sensors) Selection (with criteria) Selection (with criteria) Selection made and reasons provided Trade (2 or more sensors) Selection (with criteria) Selection (with criteria) Selection made and reasons provided Trade (2 or more sensors) Selection (with criteria) Selection made and reasons provided Trade (2 or	Hade (2 of more sensors)		2		Hade (2 or more sensors)	sensors with specs for each	- 2	
Show at least 2 different particulate/dust sensors with specs for each for each selection (with criteria)  Solow at least 2 different particulate/dust sensors with specs for each seach s			2			Selection made and reasons provided	2	
particulate/dust sensors with specs for each control Subsystem Design  particulate/dust sensors with specs for each control Subsystem Overview of selected descent control Subsystem Overview of particulate/dust sensors with specs for each control Subsystem Overview of selected to sensors with specs for each control subsystem Overview of selected to sensors with specs for each control subsystem Overview of selected to sensors with specs for particulate/dust sensors with specs for each control subsystem Overview of selected to sensors with specs for each control subsystem Overview of selected to sensors with specs for each control subsystem Overview of selected to sensors with specs for each control subsystem Overview of selected to sensors with specs for each control subsystem Overview of selected to sensors with specs for each control subsystem Overview of selected to sensors with specs for each control subsystem Overview of selected fourse sensors with specs for each control subsystem Overview of selected fourse sensors with specs for each control section with criteria)  particulate/dust sensors with specs for each control section with criteria)  Selection (with criteria)  Selection made and reasons provided 2  Selection made and reasons provided 2  Selection made and reasons provided 2  Selection with criteria)  Selection made and reasons provided 2  Selection made and reasons provided 2  Selection with criteria or each control subsystem Design  Overview of selected descent control configuration for container and payload.  2  Descent Control Subsystem Overview payload.  List of all requirements related to	Particulate/Dust Sensor	Show at least 2 different			Particulate/Dust Sensor	Show at least 2 different		
Selection made and reasons provided  Container Air Pressure Sensor Trade and Selection  Show at least 2 different air pressure sensors for the container, with specs for each or statement than one is used.  Selection (with criteria)  Trade (2 or more sensors)  Selection made and reasons provided  Trade (2 or more sensors)  Selection made and reasons provided or statement than one is used.  Selection made and reasons provided or statement none is used.  Selection (with criteria)  Selection made and reasons provided or statement none is used.  Selection (with criteria)  Selection made and reasons provided or statement none is used.  Selection (with criteria)  Selection made and reasons provided  Selection made and reasons provided or each selected descent control configuration for container and payload.  Descent Control Subsystem Design  Overview of selected descent control configuration for container and payload.  List of all requirements related to		particulate/dust sensors with specs		Is any calibration needed?		particulate/dust sensors with specs for		
Selection (with criteria)  Container Air Pressure Sensor Trade and Selection  Show at least 2 different air pressure sensors for the container, with specs for each or statement that none is used.  Selection (with criteria)  Trade (2 or more sensors)  Selection (with criteria)  Selection (with criteria)  Selection (with criteria)  Selection made and reasons provided  Trade (2 or more sensors)  Selection (with criteria)  Selection made and reasons provided  Trade (2 or more sensors)  Selection (with criteria)  Selection made and reasons provided  Selection made and reasons provided  Trade (2 or more sensors)  Selection (with criteria)  Selection (with criteria)  Selection made and reasons provided  Selection (with criteria)  Selection (with criteria)  Selection made and reasons provided  Selection five container, with specs  Selection (with criteria)  Selection (with criteria)  Selection made and reasons provided  Selection five container, with specs  Selection made and reasons provided  Selection five container, with specs  Selection five container, with specs  Selection five container, with specs  Selection made and reasons provided  Selection five container, with specs  Selection made and reasons provided  Selection five container, with specs  Selection made and reasons provided  Selection five container, with specs  Selection five container, with specs  Selection five container, with specs  Selection made and reasons provided  Selection five container, with specs	Trade (2 or more sensors)		2		Trade (2 or more sensors)	each	2	
Show at least 2 different air pressure sensors for the container, with specs for each or statement that none is used.  Selection made and reasons provided or statement none is used.  Selection (with criteria)  Descent Control Subsystem Design  Overview of selected descent control configuration for container and payload.  List of all requirements related to  Show at least 2 different air pressure sensors for the container, with specs for each or sensors for the container, with specs for each or sensors for the container, with specs for each or sensors for the container, with specs for each or sensors for the container, with specs for each or sensors for the container, with specs for each or sensors for the container, with specs for each or sensors for the container, with specs for each or sensors for the container, with specs for each or sensor for the contai	Selection (with criteria)		2		Selection (with criteria)	Selection made and reasons provided	2	
sensors for the container, with specs for each or statement that none is used.  Trade (2 or more sensors)  Selection (with criteria)  Selection more sensors)  Selection more sensors)  Selection more sensors  Selection (with criteria)  Selection made and reasons provided  2  Descent Control Subsystem Design  Overview of selected descent control configuration for container and payload.  List of all requirements related to	Container Air Pressure Sensor Trade and Selection	Show at least 2 different air processes			Container Air Pressure Sensor Trade and Selection			
Trade (2 or more sensors)  Used.  Selection made and reasons  Selection (with criteria)  Selection (with criteria)  Descent Control Subsystem Design  Overview of selected descent control configuration for container and payload.  Ust of all requirements related to  Used.  Trade (2 or more sensors)  Selection (weth criteria)  Selection (with criteria)  Selection (with criteria)  Selection (with criteria)  Selection made and reasons provided  2  Overview of selected descent control configuration for container and payload.  2  Descent Control Subsystem Overview  Descent Control Subsystem Design  Descent Control Sub		sensors for the container, with specs						
Selection made and reasons provided or statement none is used.  Descent Control Subsystem Design  Overview of selected descent control configuration for container and payload.  Descent Control Subsystem Overview  Descent Control Subsystem Overvie	Trade (2 or more sensors)		2		Trade (2 or more sensors)		2	
Selection (with criteria) provided or statement none is used. 2 Selection (with criteria) Selection made and reasons provided 2  Descent Control Subsystem Design  Overview of selected descent control configuration for container and payload.  Descent Control Subsystem Overview  Descent Control Subsystem Overview on Selected descent control Configuration for container and Descent Control Subsystem Overview on Selected Descent		Selection made and reasons						
Overview of selected descent control configuration for container and payload.  List of all requirements related to  Overview of selected descent control configuration for container and payload.  List of all requirements related to			2			Selection made and reasons provided	2	
configuration for container and Descent Control Subsystem Overview payload.  List of all requirements related to Subsystem Overview Descent Control Subsyste					John Caboy Com Dough			
List of all requirements related to	Descent Control Subsystem Overview	configuration for container and	2		Descent Control Subsystem Overview		2	
	Descent Control Guasystem Overview		Z		Descent Control Gubsystem Overview		- 2	
	Descent Control Requirements		2		Descent Control Requirements		2	

Device of Develop Control Otto to an Only of the state and Total				Design of Design of Control Office and Total			
Payload Descent Control Strategy Selection and Trade  Descent Control Strategy Trade (Pre payload deployment, 2 or more	Show at least two different strategies	2		Payload Descent Control Strategy Selection and Trade  Descent Control Strategy Trade (Pre payload deployment, 2 or more	Show at least two different strategies	2	
Descent Control Strategy Trade (Post payload deployment, 2 or more	Show at least two different strategies	2	Why is design high cost but scored higher in cost	Descent Control Strategy Trade (Post payload deployment, 2 or more	Show at least two different strategies	2	
Selection (with criteria)	Selection made and reasons provided	2		Selection (with criteria)	Selection made and reasons provided	2	
Descent Stability Control Strategy Selection and Trade	provided			Descent Stability Control Strategy Selection and Trade	Selection made and reasons provided		
Type of stability control identified (passive or active)	Identify the type of stability control	2		Type of stability control identified (passive or active)	Identify the type of stability control	2	
Description of stability control, how is nadir direction maintained  Trade (2 or more strategies)	Show/explain how stability is Show at least 2 methods	2		Description of stability control, how is nadir direction maintained  Trade (2 or more strategies)	Show/explain how stability is Show at least 2 methods	2	
Selection (with criteria)	Selection made and reasons	2		Selection (with criteria)	Selection made and reasons provided	2	
Descent Rate Estimates				Descent Rate Estimates			
	Show how the descent rate in m/sec for the container and payload were				Show how the descent rate in m/sec for the container and payload were		
Container + Payload (post rocket separation, with clear final results)	calculated	2		Container + Payload (post rocket separation, with clear final results)	calculated	2	
	Show how the descent rate in m/sec				Show how the descent rate in m/sec		
Container (post release of payload, with clear final results)	for the container after release of the payload is calculated	2	Why are densities different here?	Container (post release of payload, with clear final results)	for the container after release of the payload is calculated	2	
	Show how the descent rate in m/sec				Show how the descent rate in m/sec		
	for the payload after release is				for the payload after release is		
Payload (following separation from container, with clear final results)	Show how the descent rate in m/sec	2		Payload (following separation from container, with clear final results)	calculated Show how the descent rate in m/sec	2	
	for the payload after release is				for the payload after release is		
Payload with parachute released.  Mechanical Subsystem Design	calculated	2		Payload with parachute released.  Mechanical Subsystem Design	calculated	2	
mechanical Subsystem Design	Overview of selected mechanical			mechanical subsystem besign	Overview of selected mechanical		
	configuration for container and				configuration for container and		
Mechanical Subsystem Overview	payload.	2		Mechanical Subsystem Overview	payload.	2	
Mechanical Subsystem Requirements	List of all requirements related to mechanical design.	2		Mechanical Subsystem Requirements	List of all requirements related to mechanical design.	2	
Payload Mechanical Layout of Components Trade & Selection				Payload Mechanical Layout of Components Trade & Selection			
	Should show major components and				Should show major components and		
Trade (2 or more strategies)	where they are located. Should not be a list of materials.	2		Trade (2 or more strategies)	where they are located. Should not be a list of materials.	2	
			How are you deciding how much tension to put on the				
			springs?				
	Selection made and reasons		Explain a little about differences how cost per design is different here than in system Level Configuration				
Selection (with criteria)	provided	2	Overview (slide 18)	Selection (with criteria)	Selection made and reasons provided	2	
Payload Pre Deployment Config. Trade & Selection  How stowed configuration is maintained: Trade & Selection (2 or more	Should show 2 strategies of how the	2	Carbon fiber and what?	Payload Pre Deployment Config. Trade & Selection  How stowed configuration is maintained: Trade & Selection (2 or more	Should show 2 strategies of how the	2	
How stowed configuration is maintained. Hade a delection (2 of more	Selection made and reasons	-	Carbon liber and what:	How stowed configuration is maintained. Hade a delection (2 of more	onodia snow 2 strategies of now the		
Selection (with criteria)	provided	2		Selection (with criteria)	Selection made and reasons provided	2	
Payload Deployment Configuration Trade and Selection	Show at least 2 strategies used in			Payload Deployment Configuration Trade and Selection	Show at least 2 strategies used in the		
	the selection of the payload				selection of the payload deployment		
Trade (2 or more strategies)	deployment configuration.	2		Trade (2 or more strategies)	configuration.	2	
Selection (with criteria)	Selection made and reasons provided			Only office (with adjusts)	Selection made and reasons provided		
Container Mechanical Layout of Components Trade and Selection	provided			Selection (with criteria)  Container Mechanical Layout of Components Trade and Selection	Selection made and reasons provided		
Container Mechanical Layout of Components Trade and Selection	provided		Where are material values from? Is this per fiber, per		Selection made and reasons provided		
Container Mechanical Layout of Components Trade and Selection	provided	2	tow, per ply? How do you think the chosen resin		Selection made and reasons provided	2	
Container Mechanical Layout of Components Trade and Selection	provided	2			Selection made and reasons provided	2	
Container Mechanical Layout of Components Trade and Selection  Trade (2 or more strategies)		2	tow, per ply? How do you think the chosen resin affects the material properties in this analysis? How is		Selection made and reasons provided	2	
Trade (2 or more strategies)	Selection made and reasons	2	tow, per ply? How do you think the chosen resin affects the material properties in this analysis? How is cost considered here and throughout, is 10 the	Container Mechanical Layout of Components Trade and Selection  Trade (2 or more strategies)		2	
	Selection made and reasons	2 2	tow, per ply? How do you think the chosen resin affects the material properties in this analysis? How is cost considered here and throughout, is 10 the	Container Mechanical Layout of Components Trade and Selection	Selection made and reasons provided	2 2	
Trade (2 or more strategies)  Selection (with criteria)	Selection made and reasons provided	2	tow, per ply? How do you think the chosen resin affects the material properties in this analysis? How is cost considered here and throughout, is 10 the cheapest?  For how long is wire heated?	Container Mechanical Layout of Components Trade and Selection  Trade (2 or more strategies)  Selection (with criteria)	Selection made and reasons provided	2 2	
Trade (2 or more strategies)  Selection (with criteria)  Payload Release Mechanism	Selection made and reasons provided  Show mechanism used to hold and	2 2	tow, per ply? How do you think the chosen resin affects the material properties in this analysis? How is cost considered here and throughout, is 10 the cheapest?  For how long is wire heated?  What is the configuration of the wire, is it attached to	Container Mechanical Layout of Components Trade and Selection  Trade (2 or more strategies)  Selection (with criteria)  Payload Release Mechanism	Selection made and reasons provided  Show mechanism used to hold and	2 2	
Trade (2 or more strategies)  Selection (with criteria)  Payload Release Mechanism  Design (with diagrams)  Operation description	Selection made and reasons provided	2 2 2 2 2	tow, per ply? How do you think the chosen resin affects the material properties in this analysis? How is cost considered here and throughout, is 10 the cheapest?  For how long is wire heated?	Container Mechanical Layout of Components Trade and Selection  Trade (2 or more strategies)  Selection (with criteria)  Payload Release Mechanism  Design (with diagrams) Operation description	Selection made and reasons provided	2 2 2 2 2	
Trade (2 or more strategies)  Selection (with criteria)  Payload Release Mechanism  Design (with diagrams)	Selection made and reasons provided  Show mechanism used to hold and release payload from container Explain how the release works.	2 2 2 2 2	tow, per ply? How do you think the chosen resin affects the material properties in this analysis? How is cost considered here and throughout, is 10 the cheapest?  For how long is wire heated?  What is the configuration of the wire, is it attached to	Container Mechanical Layout of Components Trade and Selection  Trade (2 or more strategies)  Selection (with criteria)  Payload Release Mechanism  Design (with diagrams)	Selection made and reasons provided  Show mechanism used to hold and release payload from container  Explain how the release works.	2 2 2 2 2	
Trade (2 or more strategies)  Selection (with criteria)  Payload Release Mechanism  Design (with diagrams)  Operation description	Selection made and reasons provided  Show mechanism used to hold and release payload from container Explain how the release works.  Show design of container attachment	2 2 2 2	tow, per ply? How do you think the chosen resin affects the material properties in this analysis? How is cost considered here and throughout, is 10 the cheapest?  For how long is wire heated?  What is the configuration of the wire, is it attached to	Container Mechanical Layout of Components Trade and Selection  Trade (2 or more strategies)  Selection (with criteria)  Payload Release Mechanism  Design (with diagrams) Operation description	Selection made and reasons provided  Show mechanism used to hold and release payload from container Explain how the release works.  Show design of container attachment	2 2 2 2 2	
Trade (2 or more strategies)  Selection (with criteria)  Payload Release Mechanism  Design (with diagrams)  Operation description  Container Parachute Release Mechanism	Selection made and reasons provided  Show mechanism used to hold and release payload from container Explain how the release works.  Show design of container attachment mechanism. Should be a simple device where the parachule is	2 2 2 2	tow, per ply? How do you think the chosen resin affects the material properties in this analysis? How is cost considered here and throughout, is 10 the cheapest?  For how long is wire heated?  What is the configuration of the wire, is it attached to	Container Mechanical Layout of Components Trade and Selection  Trade (2 or more strategies)  Selection (with criteria)  Payload Release Mechanism  Design (with diagrams)  Operation description  Container Parachute Release Mechanism	Selection made and reasons provided  Show mechanism used to hold and release payload from container Explain how the release works.  Show design of container attachment mechanism. Should be a simple device where the parachute is	2 2 2 2	
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Trade (2 or more strategies)  Selection (with criteria)  Payload Release Mechanism  Design (with diagrams) Operation description  Container Parachute Release Mechanism  Attachement to Payload design Release mechanism design  Electronics Structural Integrity  Mass Budget  Mass of all components  Mass of all structural elements  Sources or uncertainties  Total Mass  Margin (with methods for correction)  C&DH Subsystem Design  CDH Overview  Payload CDH Requirements	Selection made and reasons provided  Show mechanism used to hold and release payload from container Explain how the release works.  Show design of container attachment mechanism. Should be a simple device where the parachute is attached. Should be passive.  Explain how parts will be secured so nothing breaks during flight.  Explain how parts will be secured so nothing breaks during flight.  A complete list of all of the components and their mass in grams.  A complete list of all of the structural components and their mass in grams. Must document sources of and any uncertainties  Must document the total masses of components and structural elements.  Mass requirement - Total Mass = Margin. Document the method(s) of correction.  Overview of selected components	2 2 2 2 2 2 2 2 2 2 2 2	tow, per ply? How do you think the chosen resin affects the material properties in this analysis? How is cost considered here and throughout, is 10 the cheapest?  For how long is wire heated?  What is the configuration of the wire, is it attached to something on the inside?  Come back to this if not presented later, any wiring and how it is managed  Do wings take into account hinges?	Trade (2 or more strategies)  Selection (with criteria)  Payload Release Mechanism  Design (with diagrams) Operation description  Container Parachute Release Mechanism  Attachement to Payload design Release mechanism design  Electronics Structural Integrity  Mass Budget  Mass of all components  Mass of all structural elements  Sources or uncertainties  Total Mass  Margin (with methods for correction)  C&DH Subsystem Design  CDH Overview  Payload CDH Requirements	Selection made and reasons provided  Show mechanism used to hold and release payload from container Explain how the release works.  Show design of container attachment mechanism. Should be a simple device where the parachute is attached. Should be passive.  Explain how it works.  Explain how jet will be secured so nothing breaks during flight.  A complete list of all of the components and their mass in grams A complete list of all of the structural components and their mass in grams Must document sources of and any uncertainties  Must document to all masses of components and structural elements Mass requirement - Total Mass = Margin. Document the method(s) of correction.  Overview of selected components	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
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Trade (2 or more strategies)  Selection (with criteria)  Payload Release Mechanism  Design (with diagrams) Operation description  Container Parachute Release Mechanism  Attachement to Payload design Release mechanism design  Electronics Structural Integrity  Mass Budget  Mass of all components  Mass of all structural elements  Sources or uncertainties  Total Mass  Margin (with methods for correction)  C&DH Overview  Dayload CDH Requirements  Payload Processor and Memory Trade & Selection	Selection made and reasons provided  Show mechanism used to hold and release payload from container Explain how the release works.  Show design of container attachment mechanism. Should be a simple device where the parachute is attached. Should be passive.  Explain how parts will be secured so nothing breaks during flight.  A complete list of all of the components and their mass in grams. A complete list of all of the structural components and their mass in grams. A complete list of all of the structural components and their mass in grams. Must document sources of and any uncertainties. Must document sources of and any uncertainties. Mass requirement - Total Mass = Margin. Document the method(s) of correction.  Overview of selected components List of all requirements related to C&DH.  Include: boot time, processor speed	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	tow, per ply? How do you think the chosen resin affects the material properties in this analysis? How is cost considered here and throughout, is 10 the cheapest?  For how long is wire heated?  What is the configuration of the wire, is it attached to something on the inside?  Come back to this if not presented later, any wiring and how it is managed  Do wings take into account hinges?	Trade (2 or more strategies)  Selection (with criteria)  Payload Release Mechanism  Design (with diagrams) Operation description  Container Parachute Release Mechanism  Attachement to Payload design Release mechanism design  Electronics Structural Integrity Mass of all components  Mass of all structural elements Sources or uncertainties  Total Mass  Margin (with methods for correction) C&H Subsystem Design  CPH Voorview  Payload CPH Requirements  Payload Processor and Memory Trade & Selection	Selection made and reasons provided  Show mechanism used to hold and release payload from container Explain how the release works.  Show design of container attachment mechanism. Should be a simple device where the parachute is attached. Should be passive.  Explain how it works.  Explain how parts will be secured so nothing breaks during flight.  A complete list of all of the components and their mass in grams A complete list of all of the structural components and their mass in grams Must document sources of and any uncertainties Must document sources of and any uncertainties Mass requirement - Total Mass = Margin. Document the method(s) of correction.  Overview of selected components List of all requirements related to C&DH.  Include: boot time, processor speed	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
Trade (2 or more strategies)  Selection (with criteria)  Payload Release Mechanism  Design (with diagrams) Operation description Container Parachute Release Mechanism  Attachement to Payload design Release mechanism design  Electronics Structural Integrity Mass Budget  Mass of all components  Mass of all structural elements Sources or uncertainties  Total Mass  Margin (with methods for correction) C&DH Subsystem Design CDH Overview  Payload CDH Requirements Payload Processor and Memory Trade & Selection Processor speed)	Selection made and reasons provided  Show mechanism used to hold and release payload from container Explain how the release works.  Show design of container attachment mechanism. Should be a simple device where the parachute is attached. Should be passive.  Explain how parts will be secured so nothing breaks during flight.  A complete list of all of the components and their mass in grams. A complete list of all of the structural components and their mass in grams. Must document sources of and any uncertainties. Must document the total masses of components and structural elements. Mass requirement - Total Mass = Margin. Document the method(s) of correction.  Overview of selected components List of all requirements related to C&OH.  Include: boot time, processor speed.	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	tow, per ply? How do you think the chosen resin affects the material properties in this analysis? How is cost considered here and throughout, is 10 the cheapest?  For how long is wire heated?  What is the configuration of the wire, is it attached to something on the inside?  Come back to this if not presented later, any wiring and how it is managed  Do wings take into account hinges?	Trade (2 or more strategies)  Selection (with criteria)  Payload Release Mechanism  Design (with diagrams) Operation description Container Parachute Release Mechanism  Attachement to Payload design Release mechanism design  Electronics Structural Integrity Mass Budget  Mass of all components  Mass of all structural elements Sources or uncertainties  Total Mass  Margin (with methods for correction) C&OH Subsystem Design CDH Overview  Payload CDH Requirements  Payload Processor and Memory Trade & Selection Processor selections (including processor speed)	Selection made and reasons provided  Show mechanism used to hold and release payload from container Explain how the release works.  Show design of container attachment mechanism. Should be a simple device where the parachute is attached. Should be passive.  Explain how it works.  Explain how parts will be secured so nothing breaks during flight.  A complete list of all of the components and their mass in grams A complete list of all of the structural components and their mass in grams Must document the total masses of components and structural elements Mass requirement - Total Mass = Margin. Document the method(s) of correction.  Overview of selected components List of all requirements related to C&DH.  Include: boot time, processor speed	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
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Trade (2 or more strategies)  Selection (with criteria)  Payload Release Mechanism  Design (with diagrams) Operation description Container Parachute Release Mechanism  Attachement to Payload design Release mechanism design  Electronics Structural Integrity Mass Budget  Mass of all components  Mass of all structural elements Sources or uncertainties  Total Mass  Margin (with methods for correction) C&DH Subsystem Design CDH Overview  Payload CDH Requirements Payload Processor and Memory Trade & Selection Processor selections (including processor speed)	Selection made and reasons provided  Show mechanism used to hold and release payload from container Explain how the release works.  Show design of container attachment mechanism. Should be a simple device where the parachute is attached. Should be passive. Explain how parts will be secured so nothing breaks during flight.  A complete list of all of the structural components and their mass in grams. A complete list of all of the structural components and their mass in grams. Must document sources of and any uncertainties Must document the total masses of components and their mass in grams Must document the total masses of components and structural elements. Mass requirement - Total Mass = Margin. Document the method(s) of correction.  Overview of selected components. List of all requirements related to C&DH.  Include: boot time, processor speed.  Should include the type of pin (GPIO, Analog, Digital, etc.), if it is an input or output, and how many of that type of pin grae available.	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	tow, per ply? How do you think the chosen resin affects the material properties in this analysis? How is cost considered here and throughout, is 10 the cheapest?  For how long is wire heated?  What is the configuration of the wire, is it attached to something on the inside?  Come back to this if not presented later, any wiring and how it is managed  Do wings take into account hinges?	Trade (2 or more strategies)  Selection (with criteria)  Payload Release Mechanism  Design (with diagrams) Operation description Container Parachute Release Mechanism  Attachement to Payload design Release mechanism design  Electronics Structural Integrity Mass Budget  Mass of all components  Mass of all structural elements Sources or uncertainties  Total Mass  Margin (with methods for correction) C&OH Subsystem Design CDH Overview  Payload CDH Requirements  Payload Processor and Memory Trade & Selection Processor selections (including processor speed)	Selection made and reasons provided  Show mechanism used to hold and release payload from container Explain how the release works.  Show design of container attachment mechanism. Should be a simple device where the parachute is attached. Should be passive.  Explain how it works.  Explain how it works.  Explain how parts will be secured so nothing breaks during flight.  A complete list of all of the components and their mass in grams A complete list of all of the structural components and their mass in grams Must document sources of and any uncertainties Must document the total masses of components and structural elements Mass requirement - Total Mass = Margin. Document the method(s) of correction.  Overview of selected components List of all requirements related to C&DH.  Include: boot time, processor speed  Should include the type of pin (GPIO, Analog, Digital, etc.), if it is an input or output, and how many of that type of pin are available.	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
Trade (2 or more strategies)  Selection (with criteria)  Payload Release Mechanism  Design (with diagrams) Operation description  Container Parachute Release Mechanism  Attachement to Payload design Release mechanism design  Electronics Structural Integrity  Mass Budget  Mass of all components  Mass of all components  Mass of all structural elements  Sources or uncertainties  Total Mass  Margin (with methods for correction)  C&DH Subsystem Design CDH Overview  Payload CDH Requirements  Payload Processor and Memory Trade & Selection Processor selections (including processor speed)  Memory selections (including memory storage requirements, if applicable)	Selection made and reasons provided  Show mechanism used to hold and release payload from container Explain how the release works.  Show design of container attachment mechanism. Should be a simple device where the parachute is attached. Should be passive.  Explain how parts will be secured so nothing breaks during flight.  A complete list of all of the components and their mass in grams. A complete list of all of the structural components and their mass in grams was the comment of the structural components and structural elements. Mass requirement - Total Mass = Margin. Document the method(s) of correction.  Overview of selected components List of all requirements related to C&DH.  Include: boot time, processor speed  Should include the type of pin (GPIO, Analog, Digital, etc.), if it is an input or output, and how many of that type of	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	tow, per ply? How do you think the chosen resin affects the material properties in this analysis? How is cost considered here and throughout, is 10 the cheapest?  For how long is wire heated?  What is the configuration of the wire, is it attached to something on the inside?  Come back to this if not presented later, any wiring and how it is managed  Do wings take into account hinges?	Trade (2 or more strategies)  Selection (with criteria)  Payload Release Mechanism  Design (with diagrams) Operation description  Container Parachute Release Mechanism  Attachement to Payload design Release mechanism design  Electronics Structural Integrity Mess Budget  Mass of all components  Mass of all structural elements  Sources or uncertainties  Total Mass  Margin (with methods for correction) C&DH Subsystem Design  CDH Overview  Payload CDH Requirements  Payload Processor and Memory Trade & Selection Processor selections (including processor speed) Memory selections (including memory storage requirements, if applicable)	Selection made and reasons provided  Show mechanism used to hold and release payload from container Explain how the release works.  Show design of container attachment mechanism. Should be a simple device where the parachute is attached. Should be passive.  Explain how it works.  Explain how it works.  Explain how jet will be secured so nothing breaks during flight.  A complete list of all of the components and their mass in grams A complete list of all of the structural components and their mass in grams Must document total masses of components and structural elements  Must document the total masses of components and structural elements  Mass requirement - Total Mass = Margin. Document the method(s) of correction.  Overview of selected components  List of all requirements related to C&OH.  Include: boot time, processor speed  Should include the type of pin (GPIO, Analog, Digital, etc.), if it is an input or output, and how many of that type of	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	

	In direct code to be a street or and order its				to disease which is also also an analysis of		1
Selection (with criteria)	Indicate which selection and why it was chosen	2		Selection (with criteria)	Indicate which selection and why it was chosen	2	
Payload Real-Time Clock		_		Payload Real-Time Clock			
	Can be hardware or software.				Can be hardware or software. Purpose		
Trade (2 or more)	Purpose is for software recovery in case of a system reset.	2		Trade (2 or more)	is for software recovery in case of a system reset.	2	
Trace (2 or more)	Indicate which selection and why it			Trado (E or moro)	Indicate which selection and why it		
Selection (with criteria)	was chosen	2		Selection (with criteria)	was chosen	2	
Payload Antenna Trade & Selection Trade (2 or more)	Include range and radiation pattern.	2		Payload Antenna Trade & Selection Trade (2 or more)	Include range and radiation pattern.	2	
Trade (2 of more)	Indicate which selection and why it			Trade (2 of more)	Indicate which selection and why it		
Selection (with criteria)	was chosen	2		Selection (with criteria)	was chosen	2	
Payload Radio Configuration	VDEE and in a short on and NETID	_		Payload Radio Configuration	VDEE it's to -t's it NETID		
XBEE Radio Selection	XBEE radio selection, and NETID  How often is data transmitted, how			XBEE Radio Selection	XBEE radio selection, and NETID  How often is data transmitted, how		
	does landing handled for end of				does landing handled for end of		
Discussion of Transmission Control	transmission?	2		Discussion of Transmission Control	transmission?	2	
	Team must show an example of data transmission matching data format				Team must show an example of data transmission matching data format		
Payload Telemetry Format	from section 3.3 in Mission Guide	2		Payload Telemetry Format	from section 3.3 in Mission Guide	2	
Container CDH Requirements  Container Processor and Memory Trade & Selection		2		Container CDH Requirements		2	
Container Processor and Memory Trade & Selection			PCB coverage? Any concerns with shorts and	Container Processor and Memory Trade & Selection			
Processor selections (including processor speed)	Include: boot time, processor speed	2	contamination?	Processor selections (including processor speed)	Include: boot time, processor speed	2	
	Identify possible memory devices for				Identify possible memory devices for		
Memory selections (including memory storage requirements, if applicable)	storing data as a backup.	2		Memory selections (including memory storage requirements, if applicable)	storing data as a backup.	2	
	Should include the type of pin (GPIO, Analog, Digital, etc.), if it is an input or				Should include the type of pin (GPIO, Analog, Digital, etc.), if it is an input or		
	output, and how many of that type of				output, and how many of that type of		
Data Interfaces (types and numbers)	pin are available.	2		Data Interfaces (types and numbers)	pin are available.	2	
Trade (2 or more)	At least two processor & memory configurations presented	2		Trade (2 or more)	At least two processor & memory configurations presented	2	
Selection (with criteria)	ooiigurationa presented	2		Selection (with criteria)	Somigurations presented	2	
Electrical Power Subsystem Design				Electrical Power Subsystem Design			
EDS Overview	Overview of EPS, diagram and			EBS Overview	Overview of EPS, diagram and		
EPS Overview	List of all requirements related to			EPS Overview	components		
EPS Requirements	EPS.	2		EPS Requirements	List of all requirements related to EPS.	2	
	High-level schematic, including				High-level schematic, including		
Payload Electrical Block Diagram  Payload Power Trade & Selection	voltages and major components	2		Payload Electrical Block Diagram  Payload Power Trade & Selection	voltages and major components	2	
Tayload Tower Trade & Gelection	No lithium-polymer; a lithium-polymer			rayload rower rrade d delection	No lithium-polymer; a lithium-polymer		
	selection shouldn't be counted as a				selection shouldn't be counted as a		
Battery selection Battery configuration (series/parallel/other configurations)	valid selection	2		Battery selection Battery configuration (series/parallel/other configurations)	valid selection	2	
Trade (2 or more)	Show at least two types of batteries	2		Trade (2 or more)	Show at least two types of batteries	2	
Selection (with criteria)		2		Selection (with criteria)	, , ,	2	
	All power consumption should be in				All power consumption should be in		
Payload Power Budget	watt hours (Wh) only All power consumption should be in	1	Battery power capacity calculation	Payload Power Budget	watt hours (Wh) only All power consumption should be in	_1_	Battery power capacity is not correct.
Container Electrical Block Diagram	watt hours (Wh) only	2		Container Electrical Block Diagram	watt hours (Wh) only	2	
	Team must indicate in slides below				Team must indicate in slides below		
Container Power Trade & Selection	if they do not have electronics in the container			Container Power Trade & Selection	if they do not have electronics in the container		
Container Power Trade & Selection	No lithium-polymer; a lithium-polymer			Container Power Trade & Selection	No lithium-polymer; a lithium-polymer		
	selection shouldn't be counted as a				selection shouldn't be counted as a		
Battery selection	valid selection	2		Battery selection	valid selection	2	
	Mark to disable the smallest anglest assessment				Mark to disease Market Barbara and a second		
Battery configuration (series/parallel/other configurations)	Must indicate if parallel, serial or none because only a single cell is used.	2		Battery configuration (series/parallel/other configurations)	Must indicate if parallel, serial or none because only a single cell is used.	2	
Trade (2 or more)	Show at least two types of batteries	2		Trade (2 or more)	Show at least two types of batteries	2	
Selection (with criteria)		2		Selection (with criteria)		2	
	All power consumption should be in watt hours (Wh) only. Lose a point if				All power consumption should be in watt hours (Wh) only. Lose a point if		
Container Power Budget	team adds up currents.	1	Battery power capacity calculation	Container Power Budget	team adds up currents.	1	Total power from battery is not correct.
Flight Software Design				Flight Software Design			
	Should discuss basic FSW				Should discuss basic FSW architecture		
	architecture including a flowchart showing the software flow,				including a flowchart showing the software flow, programming		
	programming languages,				languages, development		
FSW Overview	development environments and a brief summary of the FSW tasks.	2		FSW Overview	environments and a brief summary of the FSW tasks.	2	
Total Clothian	one summary of the Fovy tasks.			1 01 0101.101	and 1 341 tables.		
	A table showing the FSW sub-system				A table showing the FSW sub-system		
	requirements. It should indicate which				requirements. It should indicate which		
	competition guide requirements are				competition guide requirements are		
FSW Requirements	allocated to the subsystem and any derived requirements	2		FSW Requirements	allocated to the subsystem and any derived requirements	2	
	Software state diagrams for payload				Software state diagrams for payload		
	defining the states and transition				defining the states and transition		
	conditions of the flight software. Also include sampling of sensors with				conditions of the flight software. Also include sampling of sensors with rates,		
	rates, communications, data storage,				communications, data storage,		
	mechanism activations, major				mechanism activations, major decision		
	decision points in the logic and power management.Should also include				points in the logic and power management.Should also include		
	FSW recovery to correct state after				FSW recovery to correct state after		
Payload FSW State Diagram	processor reset during flight.	2		Payload FSW State Diagram	processor reset during flight.	2	
	Coffusion state diagrams for sort i						
	Software state diagrams for container defining states and transition				Software state diagrams for container		
	conditions of the flight software. Or				defining states and transition		
Container FSW State Diagram	state no software for container	2		Container FSW State Diagram	conditions of the flight software.	2	

	The software development plan			The software development plan		
	should include prototyping, software			should include prototyping, software		
	subsystem development sequence,			subsystem development sequence,		
	development team and test			development team and test		
Software Development Plan	methodology.	2	Software Development Plan	methodology.	2	
Ground Control System Design	moulouology.		Ground Control System Design	modology.		
oround control cyclem bodgi	A simple context diagram showing		ordana control cycloni bedign	A simple context diagram showing		
GCS Overview	major components	2	GCS Overview	major components	2	
GC3 OVERVIEW		- 2	GCS OVERVIEW			
	Overview of GCS requirements in			Overview of GCS requirements in		
	tabular form. May be expanded to			tabular form. May be expanded to		
GCS Requirements	multiple charts as needed.	2	GCS Requirements	multiple charts as needed.	2	
	Should have a diagram of the ground			Should have a diagram of the ground		
	station, including components and			station, including components and		
GCS Design	how they connect	2	GCS Design	how they connect	2	
GCS Antenna Trade & Selection			GCS Antenna Trade & Selection			
Trade (show at least 2)	Should include antenna patterns	2	Trade (show at least 2)	Should include antenna patterns	2	
Discuss Antenna Mounting Design	Handheld or table top	2	Discuss Antenna Mounting Design	Handheld or table top	2	
	Indicate selected design and reasons			Indicate selected design and reasons	_	
Selection	for selection.	2	Selection	for selection.	2	
Selection	ioi selection.		Selection	ioi selection.		
	Should include telemetry display			Should include telemetry display		
	prototypes, commercial off the shelf			prototypes, commercial off the shelf		l l
	software packages used, real time			software packages used, real time		
	plotting software design, how the			plotting software design, how the		
	calibration command for the			calibration command for the barometric		
				sensor and row/pitch angles will be		
	barometric sensor and row/pitch					
	angles will be transmitted and			transmitted and verified, telemetry		
	verified, telemetry data recording and			data recording and media		l l
0000 4	media presentation to judges, .csv		00000	presentation to judges, .csv telemetry		
GCS Software	telemetry file creation for judges.	2	 GCS Software	file creation for judges.	2	
CanSat Integration and Test			CanSat Integration and Test			
CanSat I&T Overview		2	CanSat I&T Overview		2	
	Description of the test plan(s) and			Description of the test plan(s) and how		l l
Subsystem Level Test Plans	how implemented	2	Subsystem Level Test Plans	implemented	2	
	Description of the test plan(s) and			Description of the test plan(s) and how		
Integrated Level Functional Test Plans	how implemented	2	Integrated Level Functional Test Plans	implemented	2	
	Description of the test plan(s) and			Description of the test plan(s) and how		
Environmental Test Plans	how implemented	2	Environmental Test Plans	bescription of the test plan(s) and now	2	
Mission Operations and Analysis	now implemented		Mission Operations and Analysis	Implemented		
Mission Operations and Analysis			Mission Operations and Analysis			
	Should start with arrival at the launch			Should start with arrival at the launch		
	site and proceed through recovery			site and proceed through recovery		
Overview of Mission Sequence of Events	and data analysis	2	Overview of Mission Sequence of Events	and data analysis	2	
	Development and content of the			Development and content of the MOM		
Mission Operations Manual Development Plan	MOM should be discussed.	2	Mission Operations Manual Development Plan	should be discussed.	2	
	How the Cansat container and			How the Cansat container and		
CanSat Location and Recovery	payload will be located and recovered	2	CanSat Location and Recovery	payload will be located and recovered	2	
Requirements Compliance	payrodd Will bo locatod arid rocovorod		Requirements Compliance	payioda viii bo locatod dila locovorca		
requirements compilance			requirements compliance			
	Present in tabular form, with columns			Present in tabular form, with columns		
	for the requirement number,			for the requirement number,		
	description, and on which slide the			description, and on which slide the		l l
Requirements Compliance Overview	requirements are discussed and met.	2	 Requirements Compliance Overview	requirements are discussed and met.	2	
	All requirements should be present			All requirements should be present		
	and numbered. There should be a			and numbered. There should be a		
	column for the pages that show how			column for the pages that show how		
Complete Table (All 55 Requirements and All Columns)	they are meeting the requirement.	2	Complete Table (All 55 Requirements and All Columns)	they are meeting the requirement.	2	l l
Management	, and the following the state of the state o		Management	, and a second s		
	All component with prices should be			All component with prices should be		
CanSat Budget - Hardware	listed in a table	2	CanSat Budget - Hardware	listed in a table	2	l l
ouncut budget - Haldware			Cancar Dadget - Hardware			
	All other costs should be listed in a			All other costs should be listed in a		l l
OO-t District Other Ote	table. There should be a table for		One Oat Builded Cities Oasts	table. There should be a table for		l l
CanSat Budget - Other Costs	overall cost of mission.	2	CanSat Budget - Other Costs	overall cost of mission.	2	
Program Schedule			Program Schedule			
	One page Gantt chart showing only			One page Gantt chart showing only		l l
Gantt Chart Summary (One Page showing Major Milestones)	major milestones	2	Gantt Chart Summary (One Page showing Major Milestones)	major milestones	2	
	Table or ANOTHER Gantt chart,			Table or ANOTHER Gantt chart, which		l l
	which should include detail, including			should include detail, including exams		
Gantt Chart or Table Summary Showing Full Schedule	exams and school vacations	2	Gantt Chart or Table Summary Showing Full Schedule	and school vacations	2	l l
Curit Criair of Table Curimary Chewing Full Scriedule			Cana Chart of Table Canimary Chowing Full Scriedule			
	Development activities should include			Development activities should include		
Malan Danatana and Anth-Inn addit Anal	team or team members assigned to		Address Development Anthropology (No. Andrews	team or team members assigned to		l l
Major Development Activies with Assignments Shown	each task	2	Major Development Activies with Assignments Shown	each task	2	
Conclusions		2	 Conclusions		2	
Quality			Quality			
Quality of Powerpoint Presentation	Average is 7.	8	Quality of Powerpoint Presentation	Average is 7.	7	
	Did the team answer the questions			Did the team answer the questions		l l
Handling of Questions	ask by the reviewer	2	 Handling of Questions	ask by the reviewer	2	
the state of the s						