

Preliminary Design Review				Team 1064				Total PDR Score: 79.44%						
Judge 1		Score	Comments	Judge 2		Score	Comments							
Introduction			Expectations	Introduction			Expectations							
Presentation Outline		1	Identify all major sections with page numbers	Presentation Outline		1	Identify all major sections with page numbers page numbers missing		2	2			4	
Team Organization		2	Show organization of team. No more than 10 students allowed. Faculty not counted.	Team Organization		2	Show organization of team. No more than 10 students allowed. Faculty not counted.		4	2			4	
Acronyms		2	List of words and abbreviations with definitions.	Acronyms		2	List of words and abbreviations with definitions.		4	2			4	
Systems Overview				Systems Overview										
Mission Summary		2	Description of mission. Copying from the guide is fine.	Mission Summary		2	Description of mission. Copying from the guide is fine.		4	2			4	
System Requirement Summary		2	List of high level requirements. Deployment, events at specific altitudes, mode of descent.	System Requirement Summary		2	List of high level requirements. Deployment, events at specific altitudes, mode of descent.		4	2			4	
System-Level CanSat Configuration Trade & Selection				System-Level CanSat Configuration Trade & Selection										
Configuration A, with diagrams		1	Picture and description of overall structure showing payload descent method, container.	Configuration A, with diagrams		1	Picture and description of overall structure showing payload descent method, container.		2	2			4	
Configuration B, with diagrams		1	Same as above but has to be different design.	Configuration B, with diagrams		1	Same as above but has to be different design.		2	2			4	
Selection and rationale		2	Identifies selection and provides a list of reasons for selection.	Selection and rationale		2	Identifies selection and provides a list of reasons for selection.		4	2			4	
Physical Layout				Physical Layout										
Dimensions		2	Picture of payload showing dimensions of structure and any significant structure. Picture and dimensions of container.	Dimensions		2	Picture of payload showing dimensions of structure and any significant structure. Picture and dimensions of container.		4	2			4	
Placement of Major Components		2	Shows location of electronic components, batteries, GPS antenna, radio antenna, actuators.	Placement of Major Components		2	Shows location of electronic components, batteries, GPS antenna, radio antenna, actuators.		4	2			4	
Launch Configuration		2	Shows payload inside container with any parts that need stowing in stowed position.	Launch Configuration		2	Shows payload inside container with any parts that need stowing in stowed position.		4	2			4	
Deployed Configuration		1	Shows payload outside of container with all parts deployed.	Deployed Configuration		1	Shows payload outside of container with all parts deployed.		2	2			4	
System Concept of Operations		1	Description of flight operations from launch to landing and all the steps in between.	System Concept of Operations		1	Description of flight operations from launch to landing and all the steps in between.		2	2			4	
Launch Vehicle Compatibility		2	Shows or indicates overall dimensions of cansat and compares to envelope dimensions provided in guide.	Launch Vehicle Compatibility		2	Shows or indicates overall dimensions of cansat and compares to envelope dimensions provided in guide.		4	2			4	
Sensor Subsystem Design				Sensor Subsystem Design										
Sensor Subsystem Overview		1	Brief description of sensors	Sensor Subsystem Overview		1	Brief description of sensors missing camera		2	2			4	
Container Air Pressure Sensor Trade and Selection				Container Air Pressure Sensor Trade and Selection										
Trade (2 or more sensors)		2	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)		2	Show at least 2 different air pressure sensors for the container, with specs for each or statement that none is used.		4	2			4	
Selection (with criteria)		2	Selection made and reasons provided or statement none is used.	Selection (with criteria)		2	Selection made and reasons provided or statement none is used.		4	2			4	
Container GPS Sensor Trade & Selection				Container GPS Sensor Trade & Selection										
Trade (2 or more sensors)		2	Show at least 2 different GPS sensors with specs for each	Trade (2 or more sensors)		2	Show at least 2 different GPS sensors with specs for each		4	2			4	
Selection (with criteria)		2	Selection made and reasons provided	Selection (with criteria)		2	Selection made and reasons provided		4	2			4	
Container Battery Voltage Sensor Trade & Selection				Container Battery Voltage Sensor Trade & Selection										
Trade (2 or more sensors)		2	Show at least 2 different designs with specs for each	Trade (2 or more sensors)		2	Show at least 2 different designs with specs for each		4	2			4	
Selection (with criteria)		2	Selection made and reasons provided	Selection (with criteria)		2	Selection made and reasons provided		4	2			4	
Payload Air Pressure Sensor Trade & Selection				Payload Air Pressure Sensor Trade & Selection										
Trade (2 or more sensors)		2	Show 2 different air pressure sensors with specs for each.	Trade (2 or more sensors)		2	Show 2 different air pressure sensors with specs for each.		4	2			4	
Selection (with criteria)		2	Selection made and reasons provided	Selection (with criteria)		2	Selection made and reasons provided		4	2			4	
Payload Air Temperature Sensor Trade & Selection				Payload Air Temperature Sensor Trade & Selection										
Trade (2 or more sensors)		2	Show at least 2 different temp sensors with specs for each.	Trade (2 or more sensors)		2	Show at least 2 different temp sensors with specs for each.		4	2			4	
Selection (with criteria)		2	Selection made and reasons provided	Selection (with criteria)		2	Selection made and reasons provided		4	2			4	
Payload Rotation Sensor Trade & Selection				Payload Rotation Sensor Trade & Selection										
Trade (2 or more sensors)		2	Show at least 2 different sensors with specs.	Trade (2 or more sensors)		2	Show at least 2 different sensors with specs.		4	2			4	
Selection (with criteria)		2	Selection made and reasons provided	Selection (with criteria)		2	Selection made and reasons provided		4	2			4	
Payload Battery Voltage Sensor Trade & Selection				Payload Battery Voltage Sensor Trade & Selection					0	0			0	
Trade (2 or more sensors)		2	Show at least 2 different designs with specs for each	Trade (2 or more sensors)		2	Show at least 2 different designs with specs for each		4	2			4	
Selection (with criteria)		2	Selection made and reasons provided	Selection (with criteria)		2	Selection made and reasons provided		4	2			4	
Payload Camera Trade and Selection				Payload Camera Trade and Selection					0	0			0	
Trade (2 or more sensors)		2	Show at least 2 different sensors with specs.	Trade (2 or more sensors)		2	Show at least 2 different sensors with specs.		4	2			4	
Selection (with criteria)		2	Selection made and reasons provided	Selection (with criteria)		2	Selection made and reasons provided		4	2			4	
Descent Control Subsystem Design				Descent Control Subsystem Design										
Descent Control Subsystem Overview		1	Overview of selected descent control configuration for container and payload.	Descent Control Subsystem Overview		1	Overview of selected descent control configuration for container and payload.		2	2			4	
Container Descent Control Strategy Selection and Trade				Container Descent Control Strategy Selection and Trade										
Descent Control Strategy Trade (Pre payload deployment, 2 or more strategies)		2	Show at least two different strategies to control the descent of the container after deployment.	Descent Control Strategy Trade (Pre payload deployment, 2 or more strategies)		2	Show at least two different strategies to control the descent of the container pre payload deployment		4	2			4	
Selection (with criteria)		2	Selection made and reasons provided	Selection (with criteria)		2	Selection made and reasons provided		4	2			4	
Container Descent Stability Control Strategy Selection and Trade				Container Descent Stability Control Strategy Selection and Trade										
Type of stability control identified (passive or active)		2	Identify the type of stability control	Type of stability control identified (passive or active)		2	Identify the type of stability control		4	2			4	
Description of stability control, how is nadir direction maintained		2	Show/explain how stability is maintained. Keep the payload from swaying.	Description of stability control, how is nadir direction maintained		2	Show/explain how stability is maintained.		4	2			4	
Trade (2 or more strategies)		2	Show at least 2 methods	Trade (2 or more strategies)		2	Show at least 2 methods		4	2			4	
Selection (with criteria)		2	Selection made and reasons provided	Selection (with criteria)		2	Selection made and reasons provided		4	2			4	

Descent Rate Estimates			Descent Rate Estimates			Descent Rate Estimates			
First parachute deployed after launch	Show how the descent rate in m/sec for the cansat with the first smaller parachute.	2	Container + Payload (post rocket separation, with clear final results)	Show how the descent rate in m/sec for the container and payload were calculated	2	4	2	4	
Second parachute deployed	Show how the descent rate in m/sec for the cansat after release of the second parachute is calculated	2	Container (post release of payload, with clear final results)	Show how the descent rate in m/sec for the container after release of the payload is calculated	2	would be good to have a slide summarising the descent rate and parachute sizes	4	2	4
Mechanical Subsystem Design			Mechanical Subsystem Design			Mechanical Subsystem Design			
Mechanical Subsystem Overview	Overview of selected mechanical configuration for container and payload.	1	Mechanical Subsystem Overview	Overview of selected mechanical configuration for container and payload.	1	needs more detail on payload overview/configurations	2	2	4
Container Mechanical Layout of Components Trade & Selection			Container Mechanical Layout of Components Trade & Selection			Container Mechanical Layout of Components Trade & Selection			
Trade (2 or more strategies)	Should show major components and where they are located. Should not be a list of materials.	2	Trade (2 or more strategies)	Should show major components and where they are located. Should not be a list of materials.	2		4	2	4
Selection (with criteria)	Selection made and reasons provided	2	Selection (with criteria)	Selection made and reasons provided	2		4	2	4
Payload Mechanical Layout of Components Trade & Selection			Payload Mechanical Layout of Components Trade & Selection			Payload Mechanical Layout of Components Trade & Selection			
Trade (2 or more strategies)	Should show major components and where they are located. Should not be a list of materials.	2	Trade (2 or more strategies)	Should show major components and where they are located. Should not be a list of materials.	2		4	2	4
Selection (with criteria)	Selection made and reasons provided	2	Selection (with criteria)	Selection made and reasons provided	2		4	2	4
Payload Pre Deployment Config. Trade & Selection			Payload Pre Deployment Config. Trade & Selection			Payload Pre Deployment Config. Trade & Selection			
How stowed configuration is maintained: Trade & Selection (2 or more strategies)	Should show 2 strategies of how the stowed configuration is maintained	2	How stowed configuration is maintained: Trade & Selection (2 or more strategies)	Should show 2 strategies of how the stowed configuration is maintained	2		4	2	4
Selection (with criteria)	Selection made and reasons provided	2	Selection (with criteria)	Selection made and reasons provided	2		4	2	4
Payload Deployment Configuration Trade and Selection			Payload Deployment Configuration Trade and Selection			Payload Deployment Configuration Trade and Selection			
Trade (2 or more strategies)	Show at least 2 strategies used in the selection of the payload deployment configuration.	1	Trade (2 or more strategies)	Show at least 2 strategies used in the selection of the payload deployment configuration.	1	only one strategy presented	2	2	4
Selection (with criteria)	Selection made and reasons provided	0	Selection (with criteria)	Selection made and reasons provided	0		0	2	4
Tether Design Trade and Selection			Tether Design Trade and Selection			Tether Design Trade and Selection			
Trade (2 or more strategies)	Should show major components and where they are located. Should not be a list of materials.	1	Trade (2 or more strategies)	Should show major components and where they are located. Should not be a list of materials.	1	only one strategy presented	2	2	4
Selection (with criteria)	Selection made and reasons provided	0	Selection (with criteria)	Selection made and reasons provided	0		0	2	4
Tether Material Trade and Selection			Tether Material Trade and Selection			Tether Material Trade and Selection			
Trade (2 or more strategies)	Should present at least two different materials or tether configurations.	2	Trade (2 or more strategies)	Should present at least two different materials or tether configurations.	2		4	2	4
Selection (with criteria)	Selection made and reasons provided	2	Selection (with criteria)	Selection made and reasons provided	2		4	2	4
Container Small Parachute Attachment Mechanism			Container Small Parachute Attachment Mechanism			Container Small Parachute Attachment Mechanism			
Attachment to container design	Show design of container attachment mechanism. Should be a simple device where the parachute is attached. Should be passive.	2	Attachment to container design	Show design of container attachment mechanism. Should be a simple device where the parachute is attached. Should be passive.	2		4	2	4
Release mechanism design	Release mechanism design	2	Release mechanism design	Release mechanism design	2		4	2	4
Container Large Parachute Attachment Mechanism			Container Large Parachute Attachment Mechanism			Container Large Parachute Attachment Mechanism			
Attachment to container design	Show design of container attachment mechanism. Should be a simple device where the parachute is attached. Should be passive.	1	Attachment to container design	Show design of container attachment mechanism. Should be a simple device where the parachute is attached. Should be passive.	1	confusing diagrams and descriptions, needs improvement	2	2	4
Release mechanism design	Explain how it works.	1	Release mechanism design	Explain how it works.	1		2	2	4
Electronics Structural Integrity	Explain how parts will be secured so nothing breaks during flight.	1	Electronics Structural Integrity	Explain how parts will be secured so nothing breaks during flight.	1	lacks detail	2	2	4
Mass Budget			Mass Budget			Mass Budget			
Mass of all components	A complete list of all of the components and their mass in grams	2	Mass of all components	A complete list of all of the components and their mass in grams	2		4	2	4
Mass of all structural elements	A complete list of all of the structural components and their mass in grams	2	Mass of all structural elements	A complete list of all of the structural components and their mass in grams	2		4	2	4
Sources or uncertainties	Must document sources of and any uncertainties	1	Sources or uncertainties	Must document sources of and any uncertainties	2		3	2	4
Total Mass	Must document the total masses of components and structural elements	2	Total Mass	Must document the total masses of components and structural elements	2		4	2	4
Margin (with methods for correction)	Mass requirement - Total Mass = Margin. Document the method(s) of correction.	0	Margin (with methods for correction)	Mass requirement - Total Mass = Margin. Document the method(s) of correction.	1	missing margin	1	2	4
C&DH Subsystem Design			C&DH Subsystem Design			C&DH Subsystem Design			
CDH Overview	Overview of selected components	2	CDH Overview	Overview of selected components	2		4	2	4
Container Processor and Memory Trade & Selection			Container Processor and Memory Trade & Selection			Container Processor and Memory Trade & Selection			
Processor selections (including processor speed)	Include: boot time, processor speed	2	Processor selections (including processor speed)	Include: boot time, processor speed	2		4	2	4
Memory selections (including memory storage requirements, if applicable)		2	Memory selections (including memory storage requirements, if applicable)		2		4	2	4
Data Interfaces (types and numbers)	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	Data Interfaces (types and numbers)	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		4	2	4
Trade (2 or more)	At least two processor & memory configurations presented	2	Trade (2 or more)	At least two processor & memory configurations presented	2		4	2	4
Selection (with criteria)	Indicate which selection and why it was chosen	2	Selection (with criteria)	Indicate which selection and why it was chosen	2		4	2	4
Container Real-Time Clock			Container Real-Time Clock			Container Real-Time Clock			
Trade (2 or more)	Hardware clock for maintaining correct time in case of a system reset.	2	Trade (2 or more)	Hardware clock for maintaining correct time in case of a system reset.	2		4	2	4
Selection (with criteria)	Indicate which selection and why it was chosen	2	Selection (with criteria)	Indicate which selection and why it was chosen	2		4	2	4
Container Antenna Trade & Selection			Container Antenna Trade & Selection			Container Antenna Trade & Selection			
Trade (2 or more)	Include range and radiation pattern.	1	Trade (2 or more)	Include range and radiation pattern.	1	missing range	2	2	4
Selection (with criteria)	Indicate which selection and why it was chosen	2	Selection (with criteria)	Indicate which selection and why it was chosen	2		4	2	4
Container Radio Configuration			Container Radio Configuration			Container Radio Configuration			
XBEE Radio Selection	XBEE radio selection, and NETID	2	XBEE Radio Selection	XBEE radio selection, and NETID	2		0	0	0
	How often is data transmitted, how does landing handled for end of transmission?	1		How often is data transmitted, how does landing handled for end of transmission?	1	missing info on how landing is handled	2	2	

Container Telemetry Format	Team must show an example of data transmission matching data format from section 3.3 in Mission Guide	1		Container Telemetry Format	Team must show an example of data transmission matching data format from section 3.3 in Mission Guide	1	missing sample packet (only shows example values)	2	2	4
Container Command Formats	Team must show list of commands and formats	2		Container Command Formats	Team must show list of commands and formats	2		4	2	4
Payload CDH Overview		2		Payload CDH Overview		2		4	2	4
Payload Processor and Memory Trade & Selection				Payload Processor and Memory Trade & Selection						
Processor selections (including processor speed)	Include: boot time, processor speed	2		Processor selections (including processor speed)	Include: boot time, processor speed	2		4	2	4
Memory selections (including memory storage requirements, if applicable)	Identify possible memory devices for storing data as a backup. 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		Memory selections (including memory storage requirements, if applicable)	Identify possible memory devices for storing data as a backup. 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		4	2	4
Data Interfaces (types and numbers)	At least two processor & memory configurations presented	2		Data Interfaces (types and numbers)	At least two processor & memory configurations presented	2		4	2	4
Trade (2 or more)		2		Trade (2 or more)		2		4	2	4
Selection (with criteria)		2		Selection (with criteria)		2		4	2	4
Payload Antenna Trade & Selection				Payload Antenna Trade & Selection						
Trade (2 or more)	Include range and radiation pattern.	1		Trade (2 or more)	Include range and radiation pattern.	1	missing range	2	2	4
Selection (with criteria)	Indicate which selection and why it was chosen	2		Selection (with criteria)	Indicate which selection and why it was chosen	2		4	2	4
Payload Radio Configuration				Payload Radio Configuration						
XBEE Radio Selection	XBEE radio selection, and NETID	2		XBEE Radio Selection	XBEE radio selection, and NETID	2		4	2	4
Discussion of Transmission Control	How often is data transmitted, how does landing handled for end of transmission?	1		Discussion of Transmission Control	How often is data transmitted, how does landing handled for end of transmission?	1	missing info on how landing is handled	2	2	4
Payload Telemetry Format	Team must show an example of data transmission matching data format from section 3.3 in Mission Guide	1		Payload Telemetry Format	Team must show an example of data transmission matching data format from section 3.3 in Mission Guide	1	missing sample packet	2	2	4
Electrical Power Subsystem Design				Electrical Power Subsystem Design						
EPS Overview	Overview of EPS, diagram and components	2		EPS Overview	Overview of EPS, diagram and components	2		4	2	4
Container Electrical Block Diagram	High-level schematic, including voltages and major components	2		Container Electrical Block Diagram	High-level schematic, including voltages and major components	2		4	2	4
Container Power Trade & Selection				Container Power Trade & Selection						
Battery selection	No lithium-polymer; a lithium-polymer selection shouldn't be counted as a valid selection	2		Battery selection	No lithium-polymer; a lithium-polymer selection shouldn't be counted as a valid selection	2		4	2	4
Battery configuration (series/parallel/other configurations)		2		Battery configuration (series/parallel/other configurations)		2		4	2	4
Trade (2 or more)	Show at least two types of batteries	2		Trade (2 or more)	Show at least two types of batteries	2		4	2	4
Selection (with criteria)		2		Selection (with criteria)		2		4	2	4
Container Power Budget	All power consumption should be in watt hours (Wh) only	2		Container Power Budget	All power consumption should be in watt hours (Wh) only	2		4	2	4
Payload Electrical Block Diagram	All power consumption should be in watt hours (Wh) only	2		Payload Electrical Block Diagram	All power consumption should be in watt hours (Wh) only	2		4	2	4
Payload Power Trade & Selection				Payload Power Trade & Selection						
Battery selection	No lithium-polymer; a lithium-polymer selection shouldn't be counted as a valid selection	2		Battery selection	No lithium-polymer; a lithium-polymer selection shouldn't be counted as a valid selection	2		4	2	4
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		4	2	4
Trade (2 or more)	Show at least two types of batteries	2		Trade (2 or more)	Show at least two types of batteries	2		4	2	4
Selection (with criteria)		2		Selection (with criteria)		2		4	2	4
Payload Power Budget	All power consumption should be in watt hours (Wh) only. Lose a point if team adds up currents.	2		Payload Power Budget	All power consumption should be in watt hours (Wh) only. Lose a point if team adds up currents.	2		4	2	4
Flight Software Design				Flight Software Design						
FSW Overview	Should discuss basic FSW architecture including a flowchart showing the software flow, programming languages, development environments and a brief summary of the FSW tasks.	1		FSW Overview	Should discuss basic FSW architecture including a flowchart showing the software flow, programming languages, development environments and a brief summary of the FSW tasks.	1	missing basic FSW flowchart	2	2	4
Container FSW State Diagram	Software state diagrams for payload defining the states and transition conditions of the flight software. Also include sampling of sensors with rates, communications, data storage, mechanism activations, major decision points in the logic and power management. Should also include FSW recovery to correct state after processor reset during flight.	2		Container FSW State Diagram	Software state diagrams for payload defining the states and transition conditions of the flight software. Also include sampling of sensors with rates, communications, data storage, mechanism activations, major decision points in the logic and power management. Should also include FSW recovery to correct state after processor reset during flight.	2	diagrams need to be easier to read	4	2	4
Payload FSW State Diagram	Software state diagrams for container defining states and transition conditions of the flight software.	2		Payload FSW State Diagram	Software state diagrams for container defining states and transition conditions of the flight software.	2		4	2	4
Simulation Mode Software	Description on the simulation mode implementation	2		Simulation Mode Software	Description on the simulation mode implementation	2		4	2	4
Software Development Plan	The software development plan should include prototyping, software subsystem development sequence, development team and test methodology.	0	Not a plan	Software Development Plan	The software development plan should include prototyping, software subsystem development sequence, development team and test methodology.	0				
Ground Control System Design				Ground Control System Design						
GCS Overview	A simple context diagram showing major components	2		GCS Overview	A simple context diagram showing major components	2		4	2	4
GCS Design	Should have a diagram of the ground station, including components and how they connect	2		GCS Design	Should have a diagram of the ground station, including components and how they connect	2		4	2	4
GCS Antenna Trade & Selection				GCS Antenna Trade & Selection						
Trade (show at least 2)	Should include antenna patterns	1		Trade (show at least 2)	Should include antenna patterns	1	missing antenna patterns	2	2	4
Discuss Antenna Mounting Design	Handheld or table top	0		Discuss Antenna Mounting Design	Handheld or table top	0	missing	0	2	4
Selection	Indicate selected design and reasons for selection.	2		Selection	Indicate selected design and reasons for selection.	2		4	2	4

GCS Software	Should include telemetry display prototypes, commercial off the shelf software packages used, real time plotting software design, how the calibration command for the barometric sensor and rowpitch angles will be transmitted and verified, telemetry data recording and media presentation to judges, csv telemetry file creation for judges.	1		GCS Software	Should include telemetry display prototypes, commercial off the shelf software packages used, real time plotting software design, how the calibration command for the barometric sensor and rowpitch angles will be transmitted and verified, telemetry data recording and media presentation to judges, csv telemetry file creation for judges.	1	missing prototypes	2	2	4
MOITT Integration	Description of MOITT publishing in the GCS software. Identify programming language and libraries used. How is it enabled and disabled.	1	What libraries/languages are used?	MOITT Integration	Description of MOITT publishing in the GCS software. Identify programming language and libraries used. How is it enabled and disabled.	1		2	2	4
CanSat Integration and Test		2		CanSat Integration and Test		2		4	2	4
CanSat I&T Overview		2		CanSat I&T Overview		2		4	2	4
Subsystem Level Test Plans	Description of the test plan(s) and how implemented	1		Subsystem Level Test Plans	Description of the test plan(s) and how implemented	1	needs more detail, wrong slide heading	2	2	4
Integrated Level Functional Test Plans	Description of the test plan(s) and how implemented	2		Integrated Level Functional Test Plans	Description of the test plan(s) and how implemented	2		4	2	4
Environmental Test Plans	Description of the test plan(s) and how implemented	1		Environmental Test Plans	Description of the test plan(s) and how implemented	1	missing some tests	2	2	4
Simulation Test Plans	Description of the test plan(s) and how implemented	1		Simulation Test Plans	Description of the test plan(s) and how implemented	1	needs more detail	2	2	4
Mission Operations and Analysis				Mission Operations and Analysis						
Overview of Mission Sequence of Events	Should start with arrival at the launch site and proceed through recovery and data analysis	2		Overview of Mission Sequence of Events	Should start with arrival at the launch site and proceed through recovery and data analysis	2		4	2	4
Mission Operations Manual Development Plan	Development and content of the MOM should be discussed.	1		Mission Operations Manual Development Plan	Development and content of the MOM should be discussed.	1	lacks detail	2	2	4
CanSat Location and Recovery	How the Cansat container and payload will be located and recovered	0	Need to check if drones are allowed. Missing mailing address for team	CanSat Location and Recovery	How the Cansat container and payload will be located and recovered	0	not sure if drones are allowed, probably private property at VT	0	2	4
Requirements Compliance				Requirements Compliance						
Requirements Compliance Overview	Present in tabular form, with columns for the requirement number, description, and on which slide the requirements are discussed and met.	0		Requirements Compliance Overview	Present in tabular form, with columns for the requirement number, description, and on which slide the requirements are discussed and met.	0	missing	0	2	4
Complete Table (All 55 Requirements and All Columns)	All requirements should be present and numbered. There should be a column for the pages that show how they are meeting the requirement.	1		Complete Table (All 55 Requirements and All Columns)	All requirements should be present and numbered. There should be a column for the pages that show how they are meeting the requirement.	1	missing column for reference slides	2	2	4
Management				Management						
CanSat Budget - Hardware	All component with prices should be listed in a table	2		CanSat Budget - Hardware	All component with prices should be listed in a table	2		4	2	4
CanSat Budget - Other Costs	All other costs should be listed in a table. There should be a table for overall cost of mission.	0		CanSat Budget - Other Costs	All other costs should be listed in a table. There should be a table for overall cost of mission.	0	not completed	0	2	4
Program Schedule				Program Schedule						
Gantt Chart Summary (One Page showing Major Milestones)	One page Gantt chart showing only major milestones	1	Not enough details	Gantt Chart Summary (One Page showing Major Milestones)	One page Gantt chart showing only major milestones	1		2	2	4
Gantt Chart or Table Summary Showing Full Schedule	Table or ANOTHER Gantt chart, which should include detail, including exams and school vacations	1	Not enough details, should break out subsystem design schedule and plans	Gantt Chart or Table Summary Showing Full Schedule	Table or ANOTHER Gantt chart, which should include detail, including exams and school vacations	1		2	2	4
Major Development Activities with Assignments Shown	Development activities should include team or team members assigned to each task	0		Major Development Activities with Assignments Shown	Development activities should include team or team members assigned to each task	0	missing	0	2	4
Conclusions		1		Conclusions		1	insufficient	2	2	4
Quality				Quality						
Quality of Powerpoint Presentation	Average is 7.	3	Went over on time, many sections missing, designs were confusing and missing details	Quality of Powerpoint Presentation	Average is 7.	4	only present starred slides for future deliverables	7	2	20
Handling of Questions	Did the team answer the questions ask by the reviewer	2		Handling of Questions	Did the team answer the questions ask by the reviewer	2		4	2	4
								429	262	549