



Artifacts for establishing a relationship between a requirement and a behavior that refines the requirement.






The behavior can be:







- Expressed a by text-based Behavior Description.
- Captured in a Use Case Diagram
- Refined by an Activity Diagram






The mission-specific team determines what relationships to use and populates the behavior artifacts

Behaviors - Use Cases - Activities - Population

#	Name	Text	△ Refined By	Traced To	Derived From	Traced From	Verified By	Satisfied By	Applied Stereotype
1	 MR_1 Mission Rqts Group	The Group provides the prefix and numbering scheme which is easy to change.							 Group [Class]
2	 MR_1.1 Requirement Name	Shall statement	 Enterprise Behavior A			 SC_1.1 Mission Stakeholder			 MissionRequirement






#	Name	Documentation	Active Hyperlink	Refines	Realizing Element
1	 L1.1.1_Enterprise Behaviors	The repository for Enterprise behaviors. To be populated by a mission specific team.	 Enterprise Behaviors Table		
2	 Enterprise Behavior A	An example / placeholder / template for Enterprise Behaviors		 MR_1.1 Requirement Name	 Enterprise Use Case A






#	Name	Documentation	Active Hyperlink	△ Refines	Realizing Element
1	 L1.1.2_Enterprise Use Cases	The repository for Enterprise use cases. To be populated by a mission specific team.	 Enterprise Use Cases Table		
2	 Enterprise Use Case A	An example / placeholder / template for Enterprise Use Cases	 Enterprise Use Case A	 Enterprise Behavior A	 Enterprise Activity A







#	Name	Documentation	Active Hyperlink	Refines	Realizing Element
1	 L1.1.3_Enterprise Activities	The repository for Enterprise activities. To be populated by a mission specific team.	 Enterprise Activities Table		
2	 Enterprise Activity A	An example / placeholder / template for Enterprise Activities	 Enterprise Activity A	 Enterprise Use Case A	

Tables repository for enterprise requirements, behaviors, use cases, and activities
To be populated by a mission specific team

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#	Name	Text	Refined By	Traced To	Traced From	Satisfied By	Verified By	Applied Stereotype
1	 CSat_1 CubeSat Rqts Group	The Group provides the prefix and numbering scheme - which is easy to change.						 CubeSatRequirement
2	 CSat_1.1 Requirement Name	Shall Statement	 CubeSat Behavior A					 CubeSatRequirement

#	Name	Documentation	Active Hyperlink	Refines	Realizing Element
1	 L2.1.1.1_CubeSat Behaviors	Repository for CubeSat behaviors. To be populated by a mission-specific team.	 Cubesat Behaviors Table		
2	 CubeSat Behavior A	Example / placeholder / template for Cubesat Behaviors		 CSat_1.1 Requirement Name	 CubeSat Use Case A

#	Name	Documentation	Active Hyperlink	Refines	Realizing Element
1	 L2.1.1.2_CubeSat Use Cases	The repository for CubeSat use cases. To be populated by a mission specific team.	 CubeSat Use Cases Table		
2	 CubeSat Use Case A	An example / placeholder / template for CubeSat Use Cases.	 CubeSat Use Case A	 CubeSat Behavior A	 CubeSat Activity A






#	Name	Documentation	Active Hyperlink	Refines	Realizing Element
1	 L2.1.1.3_CubeSat Activities	The repository for CubeSat activities. To be populated by a mission specific team.	 CubeSat Activities Table		
2	 CubeSat Activity A	Example / placeholder / template for Cubesat Activities	 CubeSat Activity A	 CubeSat Use Case A	

Table repository for CubeSat requirements, behaviors, use cases, and activities.
To be populated by a mission specific team

There are table repositories for CubeSat subsystems, ground segment, and ground subsystems