

Use case description

Use Case Name: Create an observing program	ID: 01	Importance Level: High
Primary Actor: Science Observer		Use Case Type: Detail, Essential
Stakeholders and Interests: Science Observer - create an observing program		
Brief Description: science observer transform a science plan to observing program		
Trigger: There is a science plan in the system that has already been validated.		
Type: External		
Relationships: Association: Science Observer Include: Extend: Generalization:		
Normal Flow of Events: 1. Transform a science plan to observing program 2. Submit observing program to the system		
Subflows:		
Alternate/Exceptional Flow:		

Use Case Name: Validate an observing program	ID: 02	Importance Level: High
Primary Actor: Telescope Operator		Use Case Type: Detail , Essential
Stakeholders and Interests: Telescope Operator - Validate an observing program		
Brief Description: Telescope Operator verifies the observing program is currently available		
Trigger: When the observing program is unavailable. Type: External		
Relationships: Association: Telescope Operator Include: Extend: Generalization:		
Normal Flow of Events: 1. Verify the observing program is available. 2. Submit observing program back to the system.		
Subflows:		
Alternate/Exceptional Flow:		

Use Case Name: Collect astronomical data	ID: 03	Importance Level: High
Primary Actor: Science Observer		Use Case Type: Detail , Essential
Stakeholders and Interests: Science Observer - Collect astronomical data		
Brief Description: Science Observer can collect astronomical data		
Trigger: When the approved plan has been executed		
Type: Internal		
Relationships: Association: Science Observer Include: Extend: Generalization:		
Normal Flow of Events: <ol style="list-style-type: none"> 1. Validate the integrity of collected data 2. Collect astronomical data 		
Subflows:		
Alternate/Exceptional Flow:		

Use Case Name: Create a science plan	ID: 04	Importance Level: High
Primary Actor: Astronomer		Use Case Type: Detail , Essential
Stakeholders and Interests: Astronomer - Create a science plan		
Brief Description: This use case describes how to create a science plan		
Trigger: When Astronomer input information to create science plan Type: External		
Relationships: Association: Astronomer Include: Extend: Generalization:		
Normal Flow of Events: 1. Input information to create a science plan		
Subflows:		
Alternate/Exceptional Flow:		

Use Case Name: Validate the device and configuration	ID: 05	Importance Level: High
Primary Actor: Supporter		Use Case Type: Detail, Essential
Stakeholders and Interests: Visitor - want to install special device to Gemini Supporter - validate the device or configurations and install configurations		
Brief Description: Validate device and configurations for the Operation staff		
Trigger: When Visitor purpose to install a special device to Gemini Type: External		
Relationships: Association: Supporter Include: Extend: Generalization:		
Normal Flow of Events: 1. Verify the device and configurations 2. Install new configurations 3. Pass the device to Operation staff		
Subflows:		
Alternate/Exceptional Flow:		

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