**Feature Specification for Toolbar and Menubar**

**Functionality in GMAT**

# Overview

This is the feature specification for Toolbar, Menubar, Mouse and Keyboard user controls. They are currently implemented in GMAT. This feature is in the Test phase. The Design, Code and Implementation Phases of this system have already been completed. The Toolbar, Menubar, Mouse and Keyboard are currently included in GMAT Build 2011.

This specification serves as the following:

1. Specify Requirements
2. Specify GUI Interface Specification
3. Specify GUI Test Procedures.

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# Objectives/Scope/Requirements

*A bulleted list of assumptions that are reflected in the design below. These may include file formats, usage of external data or libraries, or aspects that will not be addressed.*

## Assumptions

*A bulleted list of assumptions that are reflected in the design below. These may include file formats, usage of external data or libraries, or aspects that will not be addressed.*

## References

*A numbered list of references for the full document.*

## Use Cases

*Short use case descriptions that address specific aspects of the feature. An example may be:*

*Jason needs to perform long-term orbit decay predictions for Hubble using Schatten’s prediction data for the solar cycle. He must provide predictions to the HST project for nominal, +2 sigma, and -2 sigma solar cycles. He configures GMAT to perform a 15 year propagation using the nominal solar cycle data from a Schatten file. He then performs two additional runs using +2 sigma and -2 sigma solar cycle data respectively.*

## Tall Poles

*Large challenges, risks, or unknowns that will need to be addressed before full development can begin.*

## Definitions

*Definitions of terms used in this document.*

## Requirements

# The numbered list of Feature requirements for the GUI Tool Bar, the GUI Menu Bar and the Mouse and Keyboard Group are shown below. When finalized, these will be merged into the GMAT Requirements Specification.

# GUI Tool Bar Requirement Group

1. FRAC-4.1.0 The GUI will have a toolbar with the following options :

# FRAC-4.1.1 New script editor

# FRAC-4.1.2 Open the file browser

# FRAC-4.1.3 Save the current mission

# FRAC-4.1.4 New Mission

# FRAC-4.1.5 Copy text from script editor

# FRAC-4.1.6 Cut text from script editor

# FRAC-4.1.7 Paste test into script editor

# FRAC-4.1.8 Run the mission

# FRAC-4.1.9 Pause the mission

# FRAC-4.1.10 Stop the mission

# FRAC-4.1.11 Screenshot

# FRAC-4.1.12 Close all windows

# FRAC-4.1.13 Close current window

# FRAC-4.1.14 Link to About GMAT panel described in FRAC-4.4.1

# FRAC-4.1.14.1 Website link

# FRAC-4.1.14.2 NASA Agreement

# FRAC-4.1.15 On Line Help Link to wiki help

# FRAC-4.1.16 Run Animation

# FRAC-4.1.17 Stop Animation

# FRAC-4.1.18 Speed up animation

# FRAC-4.1.19 Slow down animation

# FRAC-4.1.20 GUI/Script Sync Status

# 

# GUI Menu Bar Requirement Group

1. FRAC-5.1.0 The GUI will have a menu bar with the following user controls:
2. FRAC-5.1.1 File menu with the following options:
3. FRAC-5.1.1.1 New
4. FRAC-5.1.1.1.1 Script
5. FRAC-5.1.1.1.2 Mission
6. FRAC-5.1.1.2 Open
7. FRAC-5.1.1.3 Open Recent
8. FRAC-5.1.1.4 Save
9. FRAC-5.1.1.5 Save As
10. FRAC-5.1.1.6 Exit
11. FRAC-5.1.2 Edit menu with the following options active when the script editor is open:
12. FRAC-5.1.2.1 Select a block of text
13. FRAC-5.1.2.2 Undo typing
14. FRAC-5.1.2.3 Redo typing
15. FRAC-5.1.2.4 Cut selected text
16. FRAC-5.1.2.5 Copy selected text
17. FRAC-5.1.2.6 Paste selected text
18. FRAC-5.1.2.7 Comment block of text
19. FRAC-5.1.2.8 Uncomment block of text
20. FRAC-5.1.2.9 Select all text
21. FRAC-5.1.2.10 Find text
22. FRAC-5.1.2.11 Find next occurrence of text
23. FRAC-5.1.2.12 Replace text
24. FRAC-5.1.2.13 Find and replace
25. FRAC-5.1.2.14 Optionally show line numbers
26. FRAC-5.1.2.15 Go to line number
27. FRAC-5.1.2.16 Indent selected block of text
28. FRAC-5.1.2.17 Unindent selected block of text
29. FRAC-5.1.3 Window menu
30. FRAC-5.1.3.1 Close all
31. FRAC-5.1.3.2 Close current window
32. FRAC-5.1.3.3 Cascade open windows
33. FRAC-5.1.3.4 Tile open windows vertically
34. FRAC-5.1.3.5 Tile open windows horizontally
35. FRAC-5.1.3.6 Bring next window to foreground
36. FRAC-5.1.3.7 Bring previous window to foreground
37. FRAC-5.1.3.8 Highlight window
38. FRAC-5.1.4 Help menu with the following options:
39. FRAC-5.1.4.1 Welcome Page (has 10 links & 1 button)
40. FRAC-5.1.4.1.1 Link to gmat.gsfc.nasa.gov
41. FRAC-5.1.4.1.2 Recent Scripts
42. FRAC-5.1.4.1.3 Text Tutorial
43. FRAC-5.1.4.1.4 Video Tutorial
44. FRAC-5.1.4.1.5 Ask a Question
45. FRAC-5.1.4.1.6 Sample Project
46. FRAC-5.1.4.1.7 Forums
47. FRAC-5.1.4.1.8 Source Code
48. FRAC-5.1.4.1.9 Reference Guide
49. FRAC-5.1.4.1.10 Wiki
50. FRAC-5.1.4.1.11 Show Welcome Page On Startup
51. FRAC-5.1.4.2 Contents
52. FRAC-5.1.4.3 Online Help
53. FRAC-5.1.4.4 Tutorial
54. FRAC-5.1.4.5 Forum
55. FRAC-5.1.4.6 Report an Issue
56. FRAC-5.1.4.7 Provide feedback
57. FRAC-5.1.4.8 About GMAT (Has 2 links)
58. FRAC-5.1.4.8.1 Link to gmat.gsfc.nasa.gov
59. FRAC-5.1.4.8.2 License Agreement

# Mouse and Keyboard Requirement Group

1. FRAC-9.1.0 The Mouse and Keyboard will have the following user controls
2. FRAC-9.1.1 Mouse edit controls when the script editor is open:
3. FRAC-9.1.1.1 Undo typing
4. FRAC-9.1.1.2 Redo typing
5. FRAC-9.1.1.3 Cut selected text
6. FRAC-9.1.1.4 Copy selected text
7. FRAC-9.1.1.5 Paste selected text
8. FRAC-9.1.1.6 Delete selected text
9. FRAC-9.1.1.7 Select all text
10. FRAC-9.1.1.8 Select a block of text
11. FRAC-9.1.2 Keyboard edit controls when the script editor is open:
12. FRAC-9.1.2.1 Cntl Z- Undo typing
13. FRAC-9.1.2.2 Cntl Y- Redo typing
14. FRAC-9.1.2.3 Cntl X- Cut selected text
15. FRAC-9.1.2.4 Cntl C- Copy selected text
16. FRAC-9.1.2.5 Cntl V- Paste selected text
17. FRAC-9.1.2.6 Cntl R- Comment block of text
18. FRAC-9.1.2.7 Cntl T- Uncomment block of text
19. FRAC-9.1.2.8 Cntl A- Select all text
20. FRAC-9.1.2.9 Cntl F- Find text
21. FRAC-9.1.2.10 F3 - Find next occurrence of text
22. FRAC-9.1.2.11 Cntl F- Replace text
23. FRAC-9.1.2.12 Cntl H- Find and replace
24. FRAC-9.1.2.13 Cntl G- Go to line number
25. FRAC-9.1.2.14 Cntl I - Indent selected block of text
26. FRAC-9.1.2.15 Cntl Shift I- Unindent selected block of text

# User Interface Specification

## Script Interface Specification

### Overview

This section is not applicable since toolbar, menubar, mouse and keyboard can not be accessed by a script command.

### Example

Not applicable.

### Reference Material

Not applicable.

## 

## 

## 

## GUI Interface Specification

### Screenshot

A screen shot of the Menubar and theToolbar is shown below.



Figure 1 Menubar and Toolbar

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### A screen shot of the Keyboard controls is shown below.

### 

Figure 2 Keyboard Controls

### 

### A screen shot of the Mouse controls is shown below.

### 

Figure 3 Mouse Controls

### How To Display

To bring up the GUI Toolbar and the Menubar simply start GMAT. The Toolbar and Menubar are an integral part of the GMAT display. Click on Edit to display the Keyboard user controls. Right click the mouse to display the Mouse user controls when editing.

### Behavior

The GUI Tool Bar contains 19 main Toolbar buttons and 4 Menubar fields. Each button and field performs a unique feature and contains sub menus and buttons for a grand total of 80. There are 8 Mouse user controls and 15 Keyboard user controls. There are no field couplings or any non-standard widget behavior.

### Interdependencies

*Describe inter-dependecies between this feature and other features.*

# 

# Detailed Design Specification (n/a for Test Phase)

## Class Overview

*Describe class with key member data and methods.*

## Key Interfaces

*Describe class with key interfaces*

## Key Algorithms

*Describe class with key algorithms*

## Development Notes

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| **Name** | **Date** | **Note** |
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# Test Procedures

## GUI Test Procedures

These are unique tests that are not supported by the Test Complete GUI test templates.

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| **Name** | **MyProjectSuite/Repeat all tests with a Non-default mission** |
| Requirement(s) | All |
| Owner | JB |
| Verification Method | n/a |
| Summary | * Start from **Non-default** mission. * Reproduce all tests with Non-Default mission |

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| **Name** | **T1: MyProjectSuite/New Script Editor** |
| Requirement(s) | FRAC-4.1.1 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Click **New Script** button in toolbar. * Verify correct script editor opens using property checkpoints   + dialog box name is $gmattempscript$.script   + Content area is active   + “Inactive Script” label is present |

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| **Name** | **T2: MyProjectSuite/Open the file browser** |
| Requirement(s) | FRAC-4.1.2 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Click **Open** button in toolbar. * Verify “Choose a file” opens using property checkpoint on the dialog box name is “Choose a file”. |

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| **Name** | **T3: MyProjectSuite/Save the current mission** |
| Requirement(s) | FRAC-4.1.3 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * click **Save** button in toolbar. * Verify Choose a file using property checkpoint on the dialog box name is “Choose a file”. |

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| **Name** | **T4: MyProjectSuite/New mission (Load Default Mission)** |
| Requirement(s) | FRAC-4.1.4 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Click **New Mission** button in toolbar. * Verify Please confirm opens using property checkpoint on the dialog box name is “Please confirm”. * Click Yes, confirm default mission loaded |

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| **Name** | **T5: MyProjectSuite/Copy text from script editor and Paste** |
| Requirement(s) | FRAC-4.1.5 and FRAC-4.1.7 |
| Owner | JB |
| Verification Method | Clipboard Checkpoint |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text. * Type “This is a Copy/Paste test”. * Type several more lines. * Highlight “This is a Copy/Paste test”**.** * Click **Copy.** * Place the cursor on a blank line and click **Paste.** * **Cntl A** to select all text. * Verify with Clipboard Checkpoint to check Copy/Paste worked. |

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| **Name** | **T6: MyProjectSuite/Cut text from script editor and Paste** |
| Requirement(s) | FRAC-4.1.6 and FRAC-4.1.7 |
| Owner | JB |
| Verification Method | Clipboard Checkpoint |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text . * Type “This is a Cut/Paste test”. * Type several more lines. * Highlight “This is a Cut/Paste test”**.** * Click **Cut.** * Verify the text is blank. * Place the cursor on a blank line and click **Paste.** * **Cntl A** to select all text. * Verify with Clipboard Checkpoint to check Cut. |

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| **Name** | **T7: MyProjectSuite/ Spare (Was paste)** |
| Requirement(s) | Spare |
| Owner | JB |
| Verification Method | TBD |
| Summary |  |

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| **Name** | **T8: MyProjectSuite/Run the mission** |
| Requirement(s) | FRAC-4.1.8 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Click **Run** button in toolbar. * Verify DefaultOrbitView and DefaultGroundTrackPlot open using property checkpoint on the dialog box name is “DefaultOrbitView” and “DefaultGroundTrackPlot”. * Verify through Property Checkpoint “Running Mission...” in message window |

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| **Name** | **T9: MyProjectSuite/Pause the mission** |
| Requirement(s) | FRAC-4.1.9 |
| Owner | JB |
| Verification Method | Visual verification (Manual Checkpoint) and Specify Condition |
| Summary | * Start from default mission. * Under Mission Sequence, Propagate1 set Parameter to DefaultSC.ElapsedDays and Condition to 100 * Click **Run** button in toolbar. * Click **Pause** button in toolbar. * Visually verify that the DefaultOrbitView and DefaultGroundTrackPlot pause * Verify through Property Checkpoint that “Execution paused.” is displayed in the message area. * Verify that “Paused” is displayed in the Status Bar area with the Specify Condition method. |

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| **Name** | **T10: MyProjectSuite/Stop the mission** |
| Requirement(s) | FRAC-4.1.10 |
| Owner | JB |
| Verification Method | Visual verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Under Mission Sequence, Propagate1 set Parameter to DefaultSC.ElapsedDays and Condition to 100. * Click **Run** button in toolbar. * Click **Stop** button in toolbar. * Visually verify that the DefaultOrbitView and DefaultGroundTrackPlot stop updating * Visually verify that “GMAT execution stopped by user.” is displayed in the message area. * Visually verify that “\*\*\*Mission run interrupted.” is displayed in the message area. * Visually verify that “===> Total Run Time:” is displayed in the message area. |

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| **Name** | **T11: MyProjectSuite/Screenshot** |
| Requirement(s) | FRAC-4.1.11 |
| Owner | JB |
| Verification Method | Visual verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **Run** button in toolbar. * Click **Screenshot** button in toolbar. * Verfiy DefaultGroundTrackPlot png file is located in the output directory. |

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| **Name** | **T12: MyProjectSuite/Close all windows** |
| Requirement(s) | FRAC-4.1.12 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Open several panels * Click **Close All** button in toolbar. * Verify using Property checkpoint that the DefaultOrbitView and DefaultGroundTrackPlot are closed. |

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| **Name** | **T13: MyProjectSuite/Close current window** |
| Requirement(s) | FRAC-4.1.13 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Click **Run** button in toolbar. * Click on the DefaultOrbitView. * Click **Close** button in toolbar. * Verify using Property Checkpoint for existence of DefaultOrbitView panel variable |

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| **Name** | **T14: MyProjectSuite/About GMAT** |
| Requirement(s) | FRAC-4.1.14 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Click **About GMAT** button in toolbar. * Verify About GMAT opens using property checkpoint on the dialog box name is “About GMAT” . |

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| **Name** | **T15: MyProjectSuite/Website link** |
| Requirement(s) | FRAC-4.1.14.1 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Click **About GMAT** button in toolbar. * Click the **Website link**. * Verify Firefox opens using property checkpoint on the dialog box name is “General Mission Analysis Tool (GMAT) - Mozilla Firefox”. |

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| **Name** | **T16; MyProjectSuite/NASA agreement** |
| Requirement(s) | FRAC-4.1.14.2 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Click **About GMAT** button in toolbar. * Click the **NASA Open Source Agreement.** * Verify NASA Open Source Agreement opens using property checkpoint on the dialog box name is “NASA Open Source Agreement” . |

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| **Name** | **T17: MyProjectSuite/Online Help** |
| Requirement(s) | FRAC-4.1.15 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Click **Online Help** button in toolbar. * Verify Firefox opens using property checkpoint on the dialog box name is “General Mission Analysis Tool (GMAT) - Mozilla Firefox”. |

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| **Name** | **T18: MyProjectSuite/Run Animation** |
| Requirement(s) | FRAC-4.1.16 |
| Owner | JB |
| Verification Method | Visual verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **Run** button in toolbar. * Click **Run Animation** button in toolbar. * Verify DefaultGroundTrackPlot orbit path and s/c are updating. (Note: The DefaultOrbitView is not updating. This is a Bug I think.) |

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| **Name** | **T19: MyProjectSuite/Stop Animation** |
| Requirement(s) | FRAC-4.1.17 |
| Owner | JB |
| Verification Method | Visual verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **Run** button in toolbar. * Click **Run Animation** button in toolbar. * Click **Stop Animation** button in toolbar. * Verify DefaultGroundTrackPlot orbit path and s/c stop updating. (Note: The s/c symbol stops over Africa and not at the end of the orbit path. This is a Bug I think.) |

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| **Name** | **T20: MyProjectSuite/Speed Up Animation** |
| Requirement(s) | FRAC-4.1.18 |
| Owner | JB |
| Verification Method | Visual verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **Run** button in toolbar. * Click **Run Animation** button in toolbar. * Click **Speed Up Animation** button in toolbar. * Verify DefaultGroundTrackPlot orbit path and s/c update quickly. |

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| **Name** | **T21: MyProjectSuite/Slow Down Animation** |
| Requirement(s) | FRAC-4.1.19 |
| Owner | JB |
| Verification Method | Visual verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **Run** button in toolbar. * Click **Run Animation** button in toolbar. * Click **Slow Down Animation** button in toolbar. * Verify DefaultGroundTrackPlot orbit path and s/c update slowly. |

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| **Name** | **T22: MyProjectSuite/Script Sync Status** |
| Requirement(s) | FRAC-4.1.20 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Make a gui change. * Verify using Property Checkpoint that GUI/Script Sync Status changes from “**Synchronized**” to “**GUI Modified**” |

**>--- End of Toolbar**

**=================================================================**

**Start of Menu bar --->**

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| **Name** | **MyProjectSuite/File** |
| Requirement(s) | FRAC-5.1.1 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **File** button in toolbar. * Verify **File** window is displayed |

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| **Name** | **MyProjectSuite/File - New** |
| Requirement(s) | FRAC-5.1.1.1 |
| Owner | JB |
| Verification Method | Visual verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **File** button in menubar. * Place cursor on **New** button in menubar. * Verify panel showing “Script” and “Mission” is displayed. |

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| **Name** | **MyProjectSuite/File - New Script Editor** |
| Requirement(s) | FRAC-5.1.1.1.1 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Same as FRAC 4.1.1but click **File, New and Script** button in menubar. |

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| **Name** | **MyProjectSuite/File - New mission (Load Default Mission)** |
| Requirement(s) | FRAC-5.1.1.1.2 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Same as FRAC 4.1.4 but click **File, New and Mission** button in menubar. |

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| **Name** | **MyProjectSuite/File - Open the file browser** |
| Requirement(s) | FRAC-5.1.1.2 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Same as FRAC 4.1.2 but click **File** and **Open** button in menubar. |

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| **Name** | **MyProjectSuite/File - Open Recent File** |
| Requirement(s) | FRAC-5.1.1.3 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **File** button in menubar. * Place cursor on **Open Recent** button in menubar. * Verify panel showing a list of files is displayed. |

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| **Name** | **MyProjectSuite/File - Save the current mission** |
| Requirement(s) | FRAC-5.1.1.4 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Same as FRAC 4.1.3 but click **File and Save...** button in menubar. |

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| **Name** | **MyProjectSuite/File - Save As** |
| Requirement(s) | FRAC-5.1.1.5 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Click **File** button in toolbar. * Click **Save As...** * Verify “Choose a file” opens using property checkpoint on the dialog box name is “Choose a file”. |

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| **Name** | **MyProjectSuite/File - Exit** |
| Requirement(s) | FRAC-5.1.1.6 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **File** button in menubar. * Click **Exit** button in menubar. * Verify GMAT is no longer running. |

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| **Name** | **MyProjectSuite/Edit** |
| Requirement(s) | FRAC-5.1.2 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **New Script**. * Click **Edit** button in toolbar. * Verify **Edit** window is displayed and **Edit** is bold * Close $gmattempscript$.script * Verify **Edit** is no longer bold. |

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| **Name** | **MyProjectSuite/Edit - Select a block of text** |
| Requirement(s) | FRAC-5.1.2.1 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file . * Highlight a block of text. * Verify the text is highlighted. |

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| **Name** | **MyProjectSuite/Edit - Undo and Redo typing** |
| Requirement(s) | FRAC-5.1.2.2 and FRAC-5.1.2.3 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text. * Click **Edit.** * Click **Undo.** * Verify the text is deleted. * Click **Redo.** * Verify the text is back in the edit panel. |

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| **Name** | **MyProjectSuite/Edit - Cut selected text and Paste** |
| Requirement(s) | FRAC-5.1.2.4 and FRAC-5.1.2.6 (Same as FRAC-4.1.5) |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) and Clipboard Checkpoint |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file . * Type “This is a clipboard test”. * Type several more lines. * Highlight “This is a clipboard test”**.** * Click **Cut.** * Verify the text is blank. * Place the cursor on a blank line and click **Paste.** * Verify the text is placed in the blank line. * Verify with Clipboard Checkpoint to check Cut. |

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| **Name** | **MyProjectSuite/Edit - Copy and Paste selected text** |
| Requirement(s) | FRAC-5.1.2.5 and FRAC-5.1.2.6 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint), Clipboard Checkpoint |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file . * Type “This is a clipboard test”. * Type several more lines. * Highlight “This is a clipboard test”**.** * Click **Copy.** * Place the cursor on a blank line and click **Paste.** * Verify the text is placed in the blank line. * Verify with Clipboard Checkpoint to check Copy. |

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| **Name** | **MyProjectSuite/Edit - Comment and Uncomment Selected text** |
| Requirement(s) | FRAC-5.1.2.7 and FRAC-5.1.2.8 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file. * Highlight a line of text or several characters * Click **Edit.** * Click **Comment.** * Click **Redo.** * Verify the “%” is in front of the highlighted text. * Hightlight text that contains a “%”. * Click **Uncomment**. * Verify the % is not in the line. |

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| **Name** | **MyProjectSuite/Edit - Select All** |
| Requirement(s) | FRAC-5.1.2.9 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file. * Click **Edit.** * Click **Select All.** * Verify the text is highlighted. |

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| **Name** | **MyProjectSuite/Edit - Find** |
| Requirement(s) | FRAC-5.1.2.10 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file. * Click **Edit.** * Click **Find.** * Type text and click **Find Next.** This feature does not work, Bug * Verify the text is highlighted. |

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| **Name** | **MyProjectSuite/Edit - Find next** |
| Requirement(s) | FRAC-5.1.2.11 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file. * Click **Edit.** * Click **Find next.** * Type text and click **Find Previous.** This feature does not work, Bug * Verify the text is highlighted. |

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| **Name** | **MyProjectSuite/Edit - Replace Text** |
| Requirement(s) | FRAC-5.1.2.12 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file. * Click **Edit.** * Click **Find.** * Type text and click **Find Next** and **Replace.** This feature does not work, Bug * Verify the text is modified. |

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| **Name** | **MyProjectSuite/Edit - Find and Replace** |
| Requirement(s) | FRAC-5.1.2.13 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file * Click **Edit.** * Click **Find.** * Type text and click **Find Next** and **Replace All.** This feature does not work, Bug * Verify the text is modified. |

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| **Name** | **MyProjectSuite/Edit - Show line numbers** |
| Requirement(s) | FRAC-5.1.2.14 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file. * Click **Edit.** * Click **Show line numbers.** * Verify line numbers appear. * Click **Show line numbers.** * Verify line numbers disappear. |

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| **Name** | **MyProjectSuite/Edit - Goto line number** |
| Requirement(s) | FRAC-5.1.2.15 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file. * Click **Edit.** * Click **Goto line number** and enter **line number .** * Verify cursor appears on line . |

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| **Name** | **MyProjectSuite/Edit - Indent more and Indent less** |
| Requirement(s) | FRAC-5.1.2.1.16 and 17 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file. * Click **Edit.** * Click **Indent more.** * Verify 3 spaces appear. * Click **Indent less.** * Verify 3 spaces disappear. |

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| **Name** | **MyProjectSuite/Window** |
| Requirement(s) | FRAC-5.1.3 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **Window** button in toolbar. * Verify **Window** window is displayed |

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| **Name** | **MyProjectSuite/Window - Close all windows** |
| Requirement(s) | FRAC-5.1.3.1 |
| Owner | JB |
| Verification Method | Property Checkpoint - Same as FRAC - 4.1.12 |
| Summary | * Start from default mission. * Open several panels * Click **Close All** button in toolbar. * Verify using Property checkpoint that the DefaultOrbitView and DefaultGroundTrackPlot are closed. |

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| **Name** | **MyProjectSuite/Window - Close current window** |
| Requirement(s) | FRAC-5.1.3.2 |
| Owner | JB |
| Verification Method | Property Checkpoint - Same as FRAC - 4.1.13 |
| Summary | * Start from default mission. * Click **Run** button in toolbar. * Click on the DefaultOrbitView. * Click **Close** button in toolbar. * Verify using Property Checkpoint for non-existence ???? of DefaultOrbitView panel variable |

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| **Name** | **MyProjectSuite/Window - Cascade, Tile Vertically, Tile Horizontally,**  **Next and Previous** |
| Requirement(s) | FRAC-5.1.3.3, 5.1.3.4, 5.1.3.5, 5.1.3.6, 5.1.3.7 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **Run** button in toolbar. * Click **Cascade** button in toolbar. * Verify that the DefaultOrbitView and DefaultGroundTrackPlot are cascaded. * Click **Tile Vertically** button in toolbar. * Verify that the DefaultOrbitView and DefaultGroundTrackPlot are tiled vertically. * Click **Tile Horizontilly** button in toolbar. * Verify that the DefaultOrbitView and DefaultGroundTrackPlot are tiled horizontally. * Click **Next** button in toolbar. * Verify that either DefaultOrbitView or DefaultGroundTrackPlot is highlighted. * Click **Previous** button in toolbar. * Verify that either DefaultOrbitView and DefaultGroundTrackPlot is highlighted but opposite of next button. |

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| **Name** | **MyProjectSuite/Window - Highlight Window** |
| Requirement(s) | FRAC-5.1.3.8 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * **Run** GMAT. * Click **Window.** * Click **1 DefaultOrbitView**. * Verify that the DefaultOrbitView is highlighted and DefaultGroundTrackPlot is not highlighted. * Click **Window.** * Click **2 DefaultGroundTrackPlot.** * Verify that the DefaultOrbitView is not highlighted and DefaultGroundTrackPlot is highlighted. |

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| **Name** | **MyProjectSuite/Help** |
| Requirement(s) | FRAC-5.1.4 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **Help** button in toolbar. * Verify **Help** window is displayed |

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| **Name** | **MyProjectSuite/Help - Welcome - Text Tutorials** |
| Requirement(s) | FRAC-5.1.4.1 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Click **Help** button in toolbar. * Click **Welcome Page** button in toolbar. * Verify Welcome to GMAT opens using property checkpoints   + dialog box name is Welcome to GMAT |

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| **Name** | **MyProjectSuite/Help - Welcome - link to gmat.gsfc** |
| Requirement(s) | FRAC-5.1.4.1.1 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Click **Help** button in toolbar. * Click **Welcome Page** button in toolbar. * Click **Website Link** on Welcome to GMAT panel * Verify gmat.gsfc.nasa.gov opens using property checkpoints   + dialog box name is GMAT - Home |

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| **Name** | **MyProjectSuite/Help - Welcome - Recent Scripts** |
| Requirement(s) | FRAC-5.1.4.1.2 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **Help** button in toolbar. * Click **Welcome Page** button in toolbar. * Click aRecent Scripts **script** on Welcome to GMAT panel * Verify the script is listed under the Resources Script area |

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| **Name** | **MyProjectSuite/Help - Welcome - Text Tutorials** |
| Requirement(s) | FRAC-5.1.4.1.3 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Click **Help** button in toolbar. * Click **Welcome Page** button in toolbar. * Click **Stet by Step Text Tutorials** on Welcome to GMAT panel * Verify General Mission Analysis Tool (GMAT) opens using property checkpoints   + dialog box name is General Mission Analysis Tool (GMAT) |

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| **Name** | **MyProjectSuite/Help - Welcome - Video Tutorials** |
| Requirement(s) | FRAC-5.1.4.1.4 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Click **Help** button in toolbar. * Click **Welcome Page** button in toolbar. * Click **Video Tutorials** on Welcome to GMAT panel * Verify GMAT Video Tutorials opens using property checkpoints   + dialog box name is GMAT Video Tutorials |

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| **Name** | **MyProjectSuite/Help - Welcome - Ask the Community a question** |
| Requirement(s) | FRAC-5.1.4.1.5 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Click **Help** button in toolbar. * Click **Welcome Page** button in toolbar. * Click **Ask the community a question** on Welcome to GMAT panel * Verify GMAT Forums Index page opens using property checkpoints   + dialog box name is GMAT Forums Index page |

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| **Name** | **MyProjectSuite/Help - Welcome - Sample projects** |
| Requirement(s) | FRAC-5.1.4.1.6 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Click **Help** button in toolbar. * Click **Welcome Page** button in toolbar. * Click **Sample projects** on Welcome to GMAT panel * Verify GMAT Wiki Home: Sample Projects opens using property checkpoints   + dialog box name is GMAT Wiki Home: Sample Projects |

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| **Name** | **MyProjectSuite/Help - Welcome - Forums** |
| Requirement(s) | FRAC-5.1.4.1.7 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Click **Help** button in toolbar. * Click **Welcome Page** button in toolbar. * Click **Forums** on Welcome to GMAT panel * Verify GMAT Forums Index page opens using property checkpoints   + dialog box name is GMAT Forums Index page |

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| **Name** | **MyProjectSuite/Help - Welcome - Source code** |
| Requirement(s) | FRAC-5.1.4.1.8 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Click **Help** button in toolbar. * Click **Welcome Page** button in toolbar. * Click **Source code at SourceForge** on Welcome to GMAT panel * Verify SourceForge.net GMAT: SCM opens using property checkpoints   + dialog box name is SourceForge.net GMAT: SCM |

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| **Name** | **MyProjectSuite/Help - Welcome - Reference Guide** |
| Requirement(s) | FRAC-5.1.4.1.9 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Click **Help** button in toolbar. * Click **Welcome Page** button in toolbar. * Click **Reference Guide** on Welcome to GMAT panel * Verify General Mission Analysis Tool (GMAT) opens using property checkpoints   + dialog box name is General Mission Analysis Tool (GMAT) |

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| **Name** | **MyProjectSuite/Help - Welcome - Wiki** |
| Requirement(s) | FRAC-5.1.4.1.10 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Click **Help** button in toolbar. * Click **Welcome Page** button in toolbar. * Click **Wiki** on Welcome to GMAT panel * Verify GMAT Wiki Home: HomePage opens using property checkpoints   + dialog box name is GMAT Wiki Home: HomePage |

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| **Name** | **MyProjectSuite/Help - Show Welcome Page On Startup** |
| Requirement(s) | FRAC-5.1.4.1.11 |
| Owner | JB |
| Verification Method | Property Checkpoint, Visual Verification (Manual Checkpoint) |
| Summary | Part 1   * Start from default mission. * Click **Help** button in toolbar. * Click **Welcome Page** . * Check **Show Welcome Page On Startup** on Welcome to GMAT panel * Close the **Welcome to GMAT** page * Exit GMAT * Start GMAT * Verify Welcome to GMAT page opens using property checkpoints   + dialog box name is Welcome to GMAT   Part 2   * UnCheck **Show Welcome Page On Startup** on Welcome to GMAT panel * Close the **Welcome to GMAT** page * Exit GMAT * Start GMAT * Observe that the Welcome to GMAT page is NOT displayed by Visual Verification (Manual Checkpoint). |

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| **Name** | **MyProjectSuite/Help - Contents** |
| Requirement(s) | FRAC-5.1.4.2 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Click **Help** button in toolbar. * Click **Contents** on Help panel * Verify GMAT Mission Analysis Tool (GMAT) page opens using property checkpoints   + dialog box name is GMAT Mission Analysis Tool (GMAT) |

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| **Name** | **MyProjectSuite/Help - Online Help** |
| Requirement(s) | FRAC-5.1.4.3 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Click **Help** button in toolbar. * Click **Online Help** on Help panel * Verify GMAT Mission Analysis Tool (GMAT) page opens using property checkpoints   + dialog box name is GMAT Mission Analysis Tool (GMAT) |

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| **Name** | **MyProjectSuite/Help - Tutorial** |
| Requirement(s) | FRAC-5.1.4.4 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Click **Help** button in toolbar. * Click **Tutorial** on Help panel * Verify GMAT Mission Analysis Tool (GMAT) page opens using property checkpoints   + dialog box name is GMAT Mission Analysis Tool (GMAT) |

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| **Name** | **MyProjectSuite/Help - Forum** |
| Requirement(s) | FRAC-5.1.4.5 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Click **Help** button in toolbar. * Click **Forum** on Help panel * Verify GMAT Forums Index page opens using property checkpoints   + dialog box name is GMAT Forums.Index page |

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| **Name** | **MyProjectSuite/Help - Report an Issue** |
| Requirement(s) | FRAC-5.1.4.6 |
| Owner | JB |
| Verification Method | Property Checkpoint |
| Summary | * Start from default mission. * Click **Help** button in toolbar. * Click **Report an Issue** on Help panel * Verify Bugzilla page opens using property checkpoints   + dialog box name is Bugzilla Main Page |

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| **Name** | **MyProjectSuite/Help - Provide Feedback** |
| Requirement(s) | FRAC-5.1.4.7 |
| Owner | JB |
| Verification Method | n/a |
| Summary | * Gives message that says no Email attached ??? |

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| **Name** | **MyProjectSuite/Help - About GMAT** |
| Requirement(s) | FRAC-5.1.4.8 |
| Owner | JB |
| Verification Method | n/a |
| Summary | * Same as FRAC 4.1.14 |

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| **Name** | **MyProjectSuite/Help - About GMAT - Link to gsfc** |
| Requirement(s) | FRAC-5.1.4.8.1 |
| Owner | JB |
| Verification Method | n/a |
| Summary | * Same as FRAC 4.1.14.1 |

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| **Name** | **MyProjectSuite/Help - Welcome - License agreement** |
| Requirement(s) | FRAC-5.1.4.8.2 |
| Owner | JB |
| Verification Method | n/a |
| Summary | * Same as FRAC 4.1.14.2 |

End of Menubar

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Start of Mouse and Keyboard user controls

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| **Name** | **MyProjectSuite/Mouse - Undo and Redo typing** |
| Requirement(s) | FRAC-9.1.1.1 and FRAC-9.1.1.2 (Same as FRAC 5.1.2.2) |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text. * Right Click **Mouse.** * Click **Undo.** * Verify the text is deleted. * Click **Redo.** * Verify the text is back in the edit panel. |

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| **Name** | **MyProjectSuite/Mouse - Cut selected text and Paste** |
| Requirement(s) | FRAC-9.1.1.3 and FRAC-9.1.1.5 (Same as FRAC-4.1.5 and 5.1.2.4) |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) and Clipboard Checkpoint |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file . * Type “This is a clipboard test”. * Type several more lines. * Highlight “This is a clipboard test”**.** * **Right Click Cut.** * Verify the text is blank. * Place the cursor on a blank line and **Right Click** **Paste.** * Verify the text is placed in the blank line. * Verify with Clipboard Checkpoint to check Cut. |

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| **Name** | **MyProjectSuite/Mouse - Copy and Paste selected text** |
| Requirement(s) | FRAC-9.1.1.4 and FRAC-9.1.1.5 (Same as FRAC 5.1.2.5) |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint), Clipboard Checkpoint |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file. * Type “This is a clipboard test”. * Type several more lines. * Highlight “This is a clipboard test”**.** * **Right Click Copy.** * Place the cursor on a blank line and **Right Click Paste.** * Verify the text is placed in the blank line. * Verify with Clipboard Checkpoint to check Copy. |

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| **Name** | **MyProjectSuite/Mouse - Select Block of Text and Delete** |
| Requirement(s) | FRAC-9.1.1.8 and FRAC-9.1.1.6 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file. * Highlight some text by **Holding Left Mouse Key and Draging.** * **Right Click Delete.** * Verify the text is deleted. |

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| **Name** | **MyProjectSuite/Mouse - Select All Text** |
| Requirement(s) | FRAC-9.1.1.7 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file. * **Right Click Select All.** * Verify the text is highlighted. |

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| **Name** | **MyProjectSuite/Keyboard - Undo and Redo typing** |
| Requirement(s) | FRAC-9.1.2.1 and FRAC-9.1.2.2 (Same as FRAC 5.1.2.2) |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text. * Hit **Cntl Z** for Undo. * Verify the text is deleted. * Hit **Cntl Y** for Redo. * Verify the text is back in the edit panel. |

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| **Name** | **MyProjectSuite/ Keyboard - Cut selected text and Paste** |
| Requirement(s) | FRAC-9.1.2.3 and FRAC-9.1.2.5 (Same as FRAC-4.1.5 and 5.1.2.4) |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) and Clipboard Checkpoint |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file. * Type “This is a clipboard test”. * Type several more lines. * Highlight “This is a clipboard test”**.** * Hit **Cntl X** for Cut. * Verify the text is blank. * Place the cursor on a blank line and **Cntl V** for Paste. * Verify the text is placed in the blank line. * Verify with Clipboard Checkpoint to check Cut. |

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| **Name** | **MyProjectSuite/Keyboard - Copy and Paste selected text** |
| Requirement(s) | FRAC-9.1.2.4 and FRAC-9.1.2.5 (Same as FRAC 5.1.2.5) |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint), Clipboard Checkpoint |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file. * Type “This is a clipboard test”. * Type several more lines. * Highlight “This is a clipboard test”**.** * Hit **Cntl C** for Copy. * Place the cursor on a blank line and hit **Cntl V** for Paste. * Verify the text is placed in the blank line. * Verify with Clipboard Checkpoint to check Copy. |

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| **Name** | **MyProjectSuite/Keyboard - Comment and Uncomment Selected text** |
| Requirement(s) | FRAC-9.1.2.6 and FRAC-9.1.2.7 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file. * Highlight a line of text or several characters * **Hit Cntl R** for Comment. * Verify the “%” is in front of the highlighted text. * Hightlight text that contains a “%”. * **Hit Cntl T** for Uncomment. * Verify the % is not in the line. |

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| **Name** | **MyProjectSuite/Keyboard - Select All** |
| Requirement(s) | FRAC-9.1.2.8 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file. * **Hit Cntl A** for Select All. * Verify the text is highlighted. |

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| **Name** | **MyProjectSuite/Keyboard - Find** |
| Requirement(s) | FRAC-9.1.2.9 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file. * **Hit Cntl F** for Find. * Type text and click **Find Next.** This feature does not work, Bug * Verify the text is highlighted. |

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| **Name** | **MyProjectSuite/Keyboard - Find Next** |
| Requirement(s) | FRAC-9.1.2.10 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file. * **Hit F3** for Find. F3 does not work * Type text and click **Find Next.** This feature does not work, Bug * Verify the text is highlighted. |

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| **Name** | **MyProjectSuite/Keyboard - Replace text** |
| Requirement(s) | FRAC-9.1.2.11 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file. * **Hit Cntl F** for Find. * Type text and click **Find Previous.** This feature does not work, Bug * Verify the text is highlighted. |

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| **Name** | **MyProjectSuite/Keyboard- Find and Replace** |
| Requirement(s) | FRAC-9.1.2.12 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file * **Hit Cntl H** for Find and Replace. Cntl H does not work * Type text and click **Find Next** and **Replace All.** This feature does not work, Bug * Verify the text is modified. |

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| **Name** | **MyProjectSuite/Keyboard - Goto line number** |
| Requirement(s) | FRAC-9.1.2.13 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file. * **Hit Cntl G** to Goto line numberand enter **line number.** * Verify cursor appears on line . |

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| **Name** | **MyProjectSuite/Keyboard - Indent more and Indent less** |
| Requirement(s) | FRAC-9.1.2.14 and 15 |
| Owner | JB |
| Verification Method | Visual Verification (Manual Checkpoint) |
| Summary | * Start from default mission. * Click **New Script** and type several lines of text or use a temp file. * **Hit Cntl I** for Indent more. * Verify 3 spaces appear. * **Hit Cntl Shift I** for Indent less. * Verify 3 spaces disappear. |

**======== End of Test Procedures ========**

# Requests for Action

To submit an RFA against this blueprint, copy and paste the table below, and fill in with your RFA.

|  |  |  |
| --- | --- | --- |
|  | **Initials** | **Comment** |
| RFA | **SPH** | The Mars-Gram model has an input for solar flux. However, the requirements do not identify Mars-Gram as one of the models that will be supported by the CSSI and Schatten file implementation. Explain why or modify the requirements to include Mars-Gram.  SAMPLE |
| Response | **SPH** | I can’t believe you’d ask such a dumb question. |