

## GUI\_ExitHRE – Exit from HRE

### Revision History

2017-06-21	Robin Lamacraft	Initial draft
2018-05-12	Rod Thompson	Replace graphic
2018-06-07	Rod Thompson	Replace graphic Revise Actions, Add Event Actions Add Windows Interaction Map & Process Flow Chart Add Warning Message
2018-06-09	Don Ferguson	Minor edits
2018-06-25 2018-06-26	Rod Thompson	Amend SCOPE Add text version of Warning Message Revise Required SERVICES – Dependencies Addition to icon actions – 'X' close
2018-10-27	Rod Thompson	REQUIRED SERVICES – Remove 03.68 WARNING CONDITIONS – Add Display location Add LOGGING
2018-11-12	Rod Thompson	Replace graphic (remove window size control) Replace Window Interaction Map Replace Process Flow Chart Revise SCOPE
2018-11-13	Rod Thompson	Revise WARNING CONDITIONS Revise PROCESS FLOW CHART Add Warning Message Bypass Add BR_Setting to REQUIRED SERVICES Add USE CASES & TESTING sections

### SCOPE

This GUI module may be called in the following ways:

- via the Close and Exit item of the Project menu (GUI\_UserInterface)
- through the Project Close module
- from the Main menu, Exit selection

It causes the shut down and exit completely from HRE.

### LOOK AND FEEL

Display a dialog box confirming the user's request to shutdown HRE.

The mockup shows a dialog box titled "Exit HRE" with a yellow header bar. Inside, there are two blue-bordered text boxes: "There are 2 projects open" and "Are you sure that you want to exit HRE?". A button labeled "Close Project(s)" is positioned below the first text box. A table displays session statistics: Session Started (2017-06 19 13:45), Last Project (Drummond-US), Closed at (2017-06-19 17:45), Project Opens (3), and Session Edits (267). At the bottom right, there are "Cancel" and "Exit" buttons.

Session Started	2017-06 19 13:45
Last Project	Drummond-US
Closed at	2017-06-19 17:45
Project Opens	3
Session Edits	267

ExitHRE Window - Mockup

## ACTIONS

The fundamental operations are:

1. Open the window according to its saved Layout (BR\_WindowConfig)
2. Display current Project data
3. Allow user selections
4. If the response is 'Close Project(s)', execute the GUI\_ProjectClose module
5. If response is 'Cancel', close the dialog box and return to GUI\_UserInterface
6. If the response is 'Exit', close the HRE Client.

## USED BY

All HRE users.

## DATA CONTROLLED BY THIS MODULE

1. None.

## REQUIRED DATA CONTROLLED BY OTHER MODULES

1. None.

## REQUIRED SERVICES – Dependencies

First-Order Dependencies	Second-Order Dependencies	Higher-Order Dependencies
04.07 GUI_ProjectClose	04.05 GUI_ProjectBackup	03.66 GUI - MessagePatterns
		07.17 BR_WindowConfig
		07.21 BR_Project
	04.14 GUI_ProjectSummary	07.17 BR_WindowConfig
		07.21 BR_Project
		07.16 BR_MessagePatterns
	07.16 BR_MessagePatterns	07.16 BR_MessagePatterns
	07.16 BR_MessagePatterns	07.16 BR_MessagePatterns

First-Order Dependencies	Second-Order Dependencies	Higher-Order Dependencies
	07.17 BR_WindowConfig	See below
	07.21 BR_Project	See below
07.21 BR_Project	07.06 BR_GuiElement	07.01 BR_EncodedString
		07.02 BR_EntityLink
		BR_FieldTranslation
		07.16 BR_MessagePattern
	07.02 BR_EntityLink	Needed
	07.29 BR_Translation	07.02 BR_EntityLink
		BR_Field
		07.06 BR_GuiElement
		07.16 BR_MessagePattern
	BR_FieldTranslation	
07.17 BR_WindowConfig	07.06 BR_GuiElement	See above
	07.02 BR_EntityLink	Needed
	07.29 BR_Translation	See above
	BR_FieldTranslation	
	07.16 BR_MessagePatterns	07.02 BR_EntityLink
		07.01 BR_EncodedString
		07.11 BR_Logging
		Call Stack
		07.24 BR_Setting
		GUI Translation
07.24 BR_Setting	BR_AppData	
	BR_UserData	
	BR_EntityLink	

## APPLICATION PROGRAMMING INTERFACE (API)

1. Single call, no parameters.

## LOGGING

Use of this module will create log entries.

Commit Logging – NIL

General Log - ExitHRE

## EVENT ACTIONS

- 1) Keyboard actions

NIL

- 2) Mouse actions

Left key

- a. Mouse key click on each button, operates the button
- b. Mouse key click on icons (detailed below)

Right key

To be determined

- 3) Icon actions

- a. left mouse key click on icons in the Window Control group:

- a. 'X' icon

(closes the window)

NOTE: Same action as in use of the 'Cancel' button

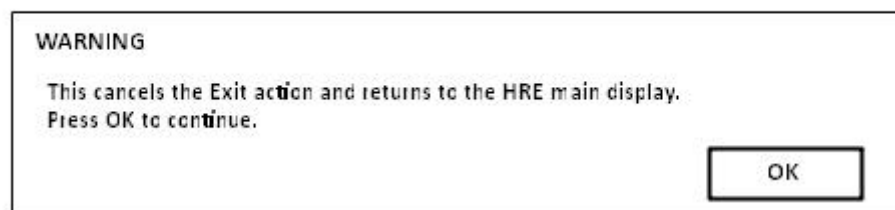
- b. 'Box' icon  
Toggles the window size between full screen, and the preset window size
- c. 'Dash' icon  
Minimizes the window, to an icon on the screen toolbar.  
A click on the toolbar icon restores the display to its previous setting
- 4) Keyboard shortcuts  
To be determined

## WARNING CONDITIONS

Display Location: centred on the GUI\_ExitHRE window

1. When the 'Cancel' button is used, then a warning message is displayed.  
Warning Message (WM-HE1)

### Warning Message Window-1



#### Text Version

WARNING

This cancels the Exit action and returns to the HRE main display.  
Press OK to continue.

Use (or otherwise) of Warning Messages in HRE is a User controlled preference, set through the Application Settings management module.

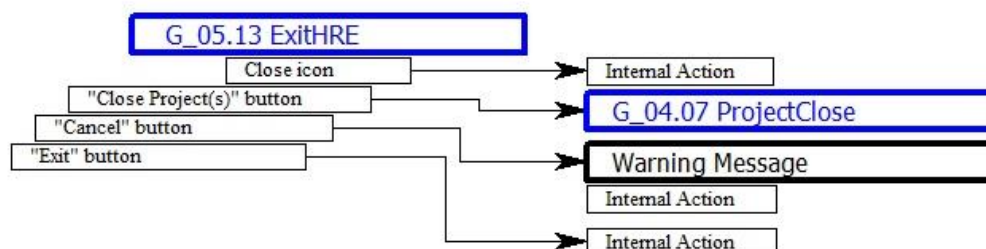
Where applicable in the operation of HRE, Warning Messages are generated.

According to the User preference for these, the display of such messages is bypassed, with action taken by the software equivalent to the User operation of the OK button.

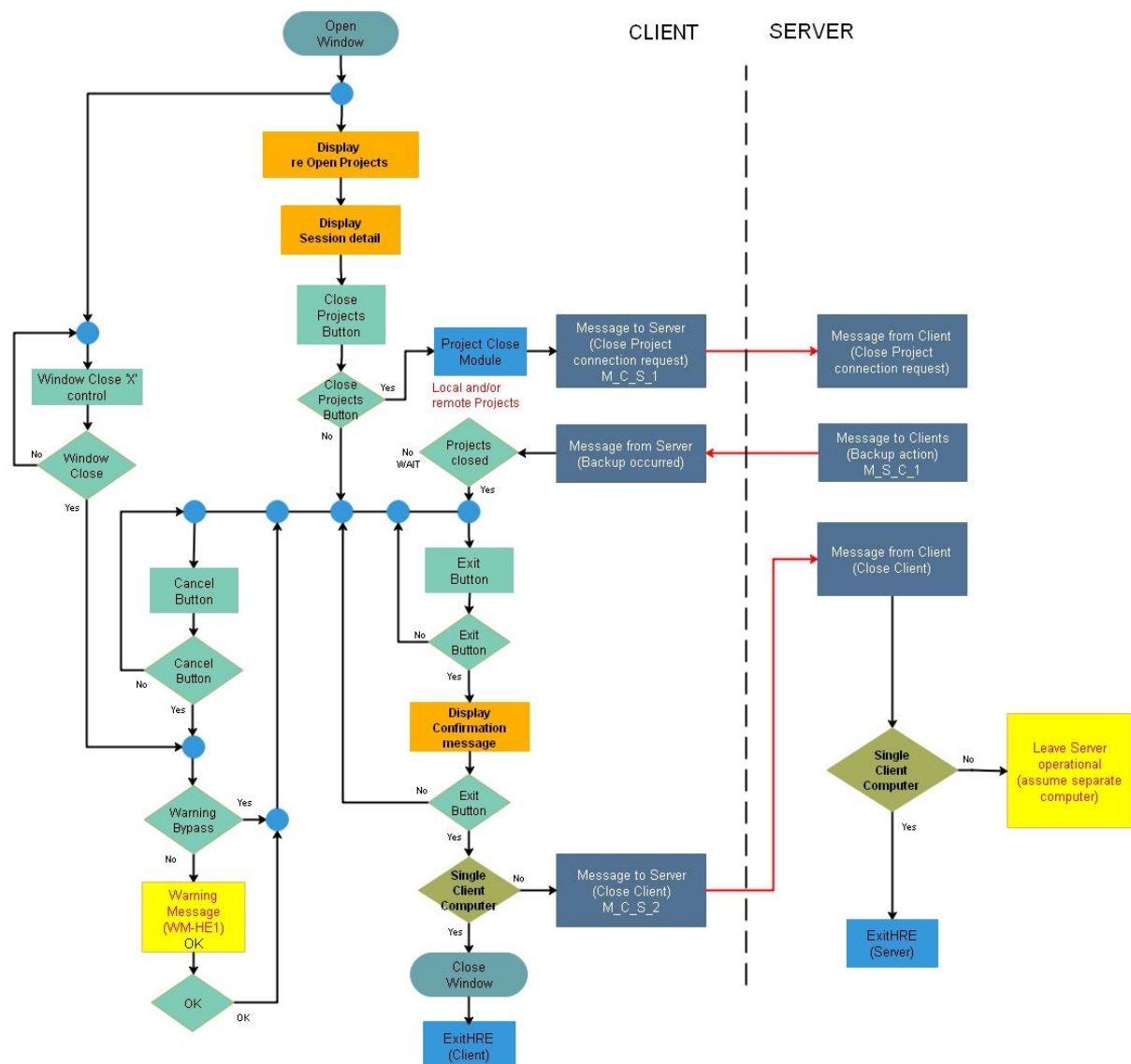
## ERROR CONDITIONS

1. Need to record the condition that raised the error, example message and possible next steps.

## WINDOW INTERACTION MAP



## PROCESS FLOW CHART



## USE CASES

- 1) Client Exit
- 2) Client & Server Exit

Use Case 1  
Single Computer

Use Case 1  
Single Client to Single Server

## TESTING

Testing to prove the functionality of this module in use with others of the HRE application.

Limited 'Project' functionality (see below).

Prior testing of the module in the code development process is assumed.

<u>General requirements</u>	<u>Code element requirements</u>
HRE installation	Main GUI
1) Single computer	Project Open
2) Client-Server	Project Close
3) Test Project database fileset	ExitHRE

#### Process

- 1) Run HRE
  - a. Open the Test Project
  - b. Close the Project
  - c. Exit HRE
- 2) Check result (how?)

See Test Plan document.