

## GUI – CONFIGURE OUTPUT for Multi-Column List Patterns

### Revision history

2018-05-14	Robin Lamacraft	Original draft
2018-05-15	Rod Thompson	Inserted diagrams, actions
2018-09-22	Rod Thompson	Add section headings per template Add details Replace Graphics
2018-09-23	Rod Thompson	Add Process Flow Chart Add Windows Interaction map Add Use Cases Add Testing Add Warning Condition Add REQUIRED SERVICES – Dependencies

### SCOPE

This GUI module is called only from the Select Configuration module. Its purpose is to create a configuration to allow an output of a Multi-column list of data, to either a Printer or File, providing an extract of a data set.

### LOOK AND FEEL



The original specification of the GUI is provided in the following tables.  
These are followed by an equivalent mockup graphic.

### CONFIGURATION SETTINGS – CONFIGURE OUTPUT

GUI ELEMENT USE	ELEMENT TYPE	DESCRIPTION
TOP BAR	HEADING TEXT	blank or translation of “Configure Output”
TOP BAR	RIGHT BUTTON	Only a “X” to “Close” the window equivalent of “Cancel”
LABEL	FIXED PLAIN TEXT	<Target Window Name>
CHOICE 1	RADIO BUTTON	<Window Configuration Name> Also set on opening
CHOICE 2	RADIO BUTTON	“Default Settings” – rarely used
LABEL	FIXED PLAIN TEXT	“Window Target Data Origin Type” e.g. “Person Events Properties” –provided from the display window definition
CHOICE 3	RADIO BUTTON	“Output to Printer” – if selected then panel below has one set of contents
CHOICE 4	RADIO BUTTON	“Save to File” if selected then panel below has a different set of contents
COMMAND 1	BUTTON	“Accept” button – accepts edits and closes the window returning the window that made the request
COMMAND 2	BUTTON	“Cancel” button – ignores edits, but if there have been some edits made, then the user will be warned that those edits will be lost, then closes the window returning to the window that made the request

Configure Output

X



Target Window Name

☒ Window Configuration Name

☐ Default Settings

Window Target Data Origin Type

☐ Output to Printer

☐ Save to File

Select Panel

Accept

Cancel

CONFIGURE OUTPUT WINDOW - Mockup

**OUTPUT TO PRINTER panel:**

This panel controls the settings for “Output to Printer” including default printer and page size settings, limited formats for text output

GUI ELEMENT USE	ELEMENT TYPE	DESCRIPTION
LABEL	FIXED PLAIN TEXT	“Select Printer”
COMMAND A	BUTTON	“Select Printer and Properties” button – uses local OS to select a printer
LABEL	RETRIEVED PLAIN TEXT	<Printer Name>
LABEL	FIXED PLAIN TEXT	“Page Size”
PAGE SIZE	PLAIN TEXT VALUE	<Page Size Name>
LABEL	FIXED PLAIN TEXT	“Page Orientation”
PORTRAIT LANDSCAPE	PLAIN TEXT VALUE	<Page Orientation Name>
LABEL	FIXED PLAIN TEXT	“Top Margin Height”
TOP MARGIN HEIGHT	PLAIN POSITIVE INTEGER VALUE	If empty then use default
LABEL	FIXED PLAIN TEXT	“Left Margin Width”
LEFT MARGIN WIDTH	PLAIN POSITIVE INTEGER VALUE	If empty then use default
LABEL	FIXED PLAIN TEXT	“Bottom Margin Height”
BOTTOM MARGIN HEIGHT	PLAIN POSITIVE INTEGER VALUE	If empty then use default
LABEL	FIXED PLAIN TEXT	“Right Margin Width”
RIGHT MARGIN WIDTH	PLAIN POSITIVE INTEGER VALUE	If empty then use default

**Select Printer**

**Select Printer and Properties**

Printer name

Page Size

Page Orientation

Top Margin Height

Left Margin Width

Bottom Margin Height

Right Margin Width

Page Size

Page Orientation

Top Margin Height

Left Margin Width

Bottom Margin Height

Right Margin Width

OUTPUT TO PRINTER Panel - Mockup

### OUTPUT TO FILE panel:

This panel controls the settings for “Output to File”

GUI ELEMENT USE	ELEMENT TYPE	DESCRIPTION
LABEL	FIXED PLAIN TEXT	“Select File”
COMMAND A	BUTTON	“Select Folder” button – uses local OS to select a folder
LABEL	RETRIEVED PLAIN TEXT	<Folder Path>
LABEL	FIXED PLAIN TEXT	“Default File Name”
FILE NAME	PLAIN TEXT VALUE	<User entry>
DATE	CHECK BOX	“Append date time to file name” If checked then file name includes time/date of creation
LABEL	FIXED PLAIN TEXT	“File Output Format”
SELECTION	FIXED VERTICAL SCROLLABLE PLAIN TEXT LIST	The initial set of file output formats are: <ul style="list-style-type: none"><li>• TXT– plain text</li><li>• CSV – comma separated variable</li><li>• TSV – tab separated variable</li></ul>

**Select File**

Select Folder

Folder path

**Default File Name**

File name - user entry

☐ Append date time to file name

**File Output Format**

File format selection

TXT - plain text  
CSV - comma separated variable  
TSV - tab separated variable

OUTPUT TO FILE Panel – Mockup

## ACTIONS

The fundamental operations are:

1. Open the window according to its saved window Layout (BR\_WindowConfig)
2. Display the Target Window Name, Window Configuration Name and Window Target Data Origin Type
3. Allow the User to select an output destination (Printer or File) and to select or amend appropriate properties
4. Allow user acceptance or cancellation of changes.  
Changes 'accepted' are saved to the Window Configuration.

## USED BY

All HRE users.

## DATA CONTROLLED BY THIS MODULE

1. Configuration

## REQUIRED DATA CONTROLLED BY OTHER MODULES

1. None.

## REQUIRED SERVICES – Dependencies

First-Order Dependencies	Second-Order Dependencies (if not already listed)	Higher-Order Dependencies (if not already listed)
05.40 GUI_Reminder	03.68 GUI_SelectConfiguration	
	05.02 GUI_EncodedStringEdit	05.08 GUI_FieldDefinitionEdit
		05.42 GUI_SubstitutionEdit
		07.26 BR_Substitution
		07.24 BR_Setting
		07.17 BR_WindowConfig
	07.01 BR_EncodedString	NIL
	07.24 BR_Setting	BR_AppData
		BR_UserData
		07.02 BR_EntityLink
	07.17 BR_WindowConfig	07.06 BR_GuiElement
		07.02 BR_EntityLink
		07.29 BR_Translation
		BR_FieldTranslation
		07.16 BR_MessagePatterns
	07.02 BR_EntityLink	NIL
05.14 GUI_Help	03.68 GUI_Select Configuration	
	07.24 BR_Setting	
	07.17 BR_WindowConfig	
	07.11 BR_Logging	
	07.07 BR_Help	
	07.02 BR_EntityLink	
07.17 BR_WindowConfig	07.06 BR_GuiElement	07.01 BR_EncodedString
		07.02 BR_EntityLink
		BR_FieldTranslation
		07.16 BR_MessagePatterns
	07.02 BR_EntityLink	NIL
	07.29 BR_Translation	07.02 BR_EntityLink
		BR_Field
		07.06 BR_GuiElement
		07.16 BR_MessagePatterns
	BR_FieldTranslation	
	07.16 BR_MessagePatterns	07.02 BR_EntityLink
		07.01 BR_EncodedString

First-Order Dependencies	Second-Order Dependencies (if not already listed)	Higher-Order Dependencies (if not already listed)
		07.11 BR_Logging
		Call Stack
		07.24 BR_Setting
		GUI_Translation

## EVENT ACTIONS

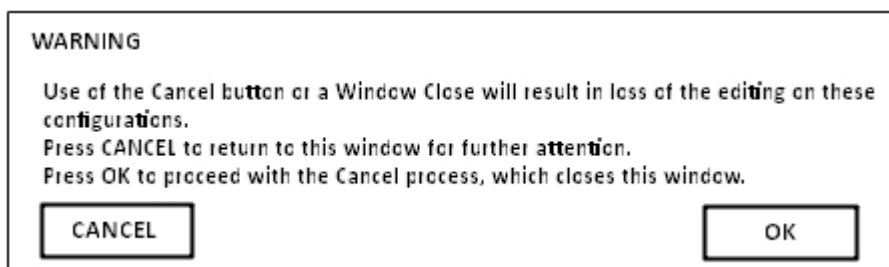
- 1) Keyboard actions
  - a. Overtyping or entry of properties for Printer output
  - b. Entry of a filename for an output to File
- 2) Mouse actions
  - Left key
    - a. Mouse key click on each icon (actions detailed below)
    - b. Mouse key click on the 'un-checked' radio button, selects that button, and 'de-selects' the other
    - c. Mouse key click on each button, operates the button
  - Right key

To be determined
- 3) Icon actions:
  - a. left mouse key click on 'X' icon:  
(closes the window)  
NOTE: Same action as in use of the 'Cancel' button
  - b. left mouse key click on 'Reminder' icon:  
(opens 'Reminder' window for this 'Configure Size and Location' window)
  - c. left mouse click on 'Help' icon:  
(opens the Help System, searches for the section on 'Configure Size' window)
- 4) Keyboard shortcuts
 

To be determined

## WARNING CONDITIONS

1. Where a configuration has been edited, if the user seeks to 'cancel', or to use the 'X'-close window icon; then a warning message is displayed.



### Text Version

#### WARNING

Use of the Cancel button or a Window Close will result in loss of the editing on these configurations.

Press CANCEL to return to this window for further attention.

Press OK to proceed with the Cancel process, which closes this window.

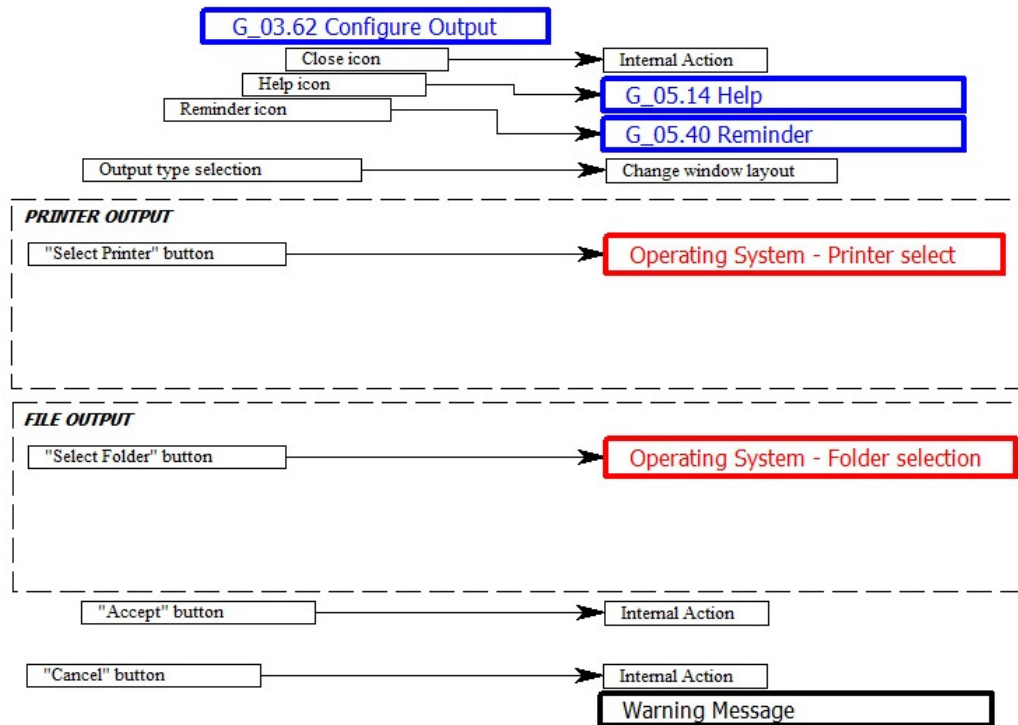
Location: Centred on the Configure Size window

Issue: Need to provide a default operation applicable when the User turns OFF Warning Messages.

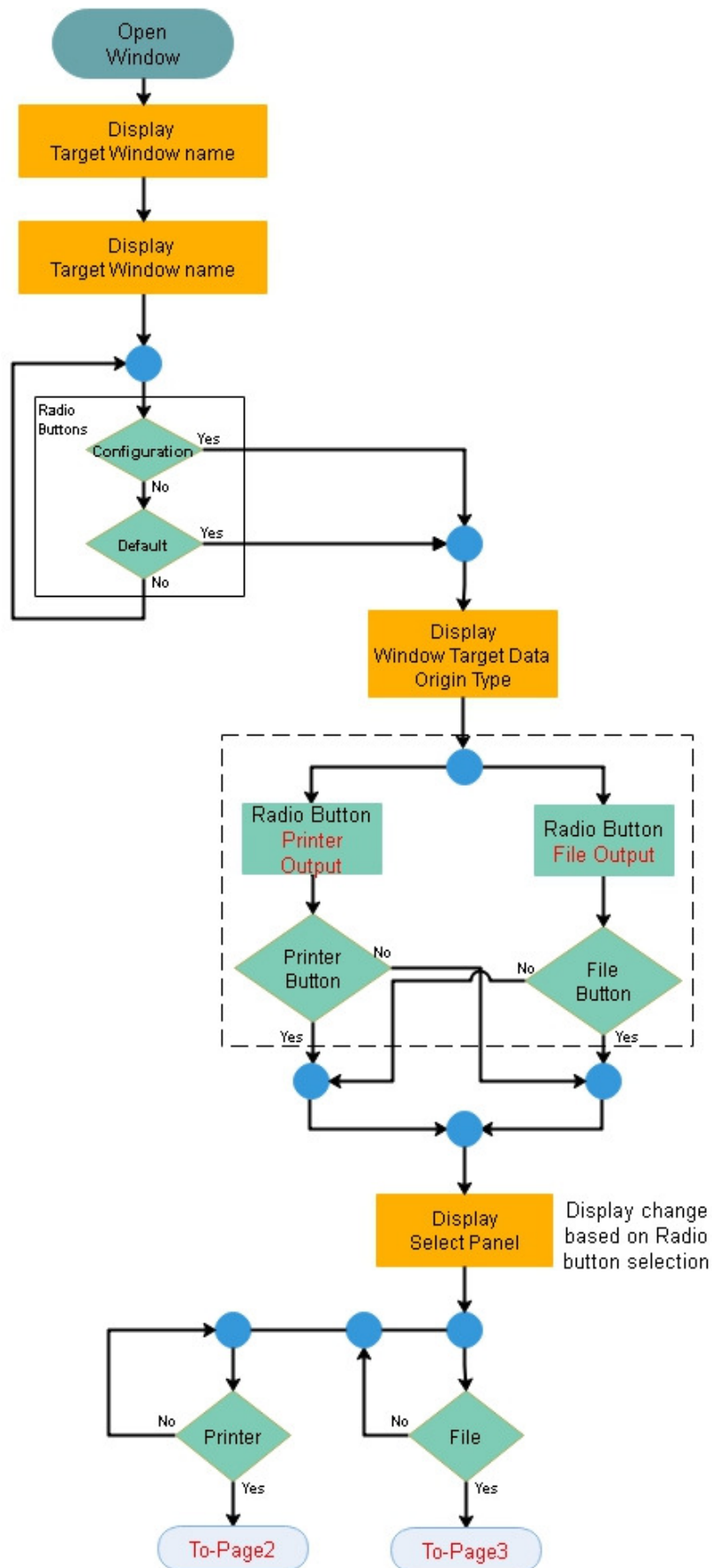
## ERROR CONDITIONS

1. Need to record the condition that raised the error, example message and possible next steps. (GUI\_Message Patterns used to report warnings to user)

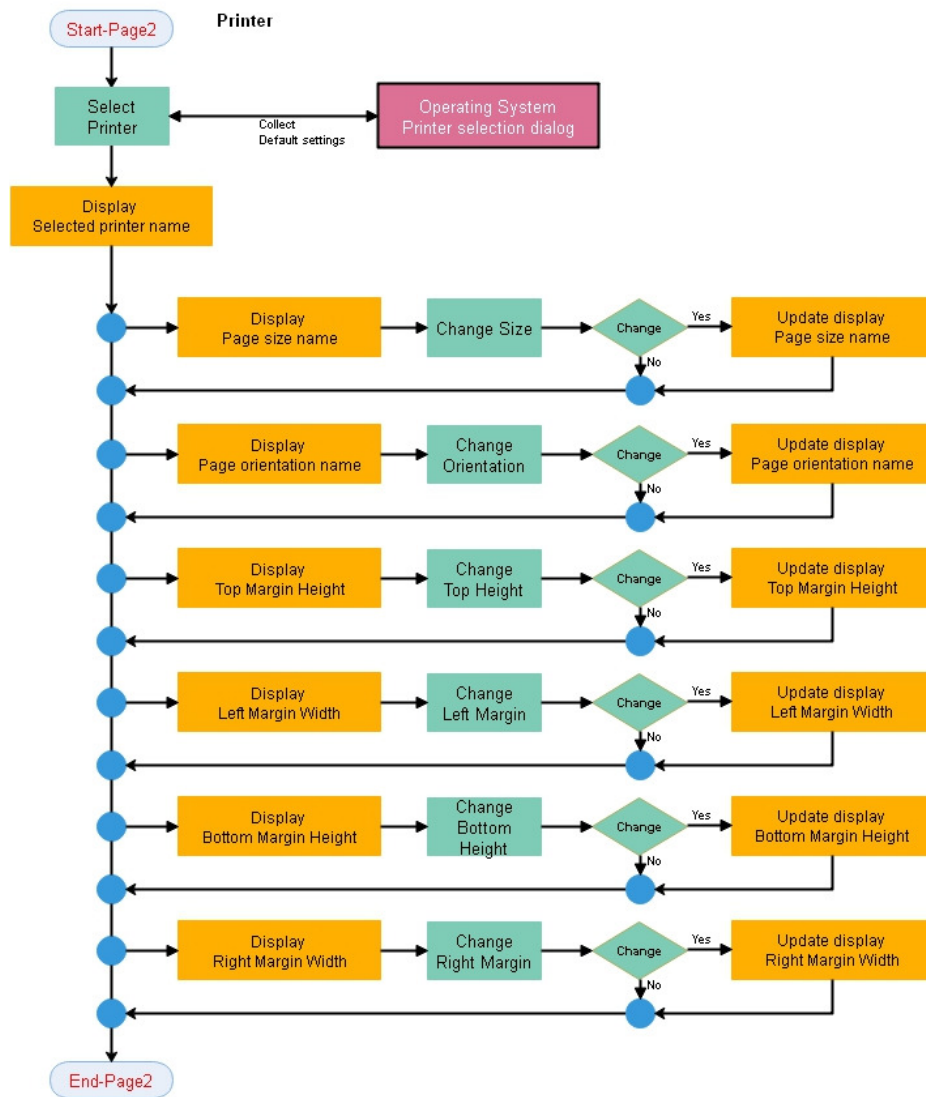
## WINDOW INTERACTION MAP

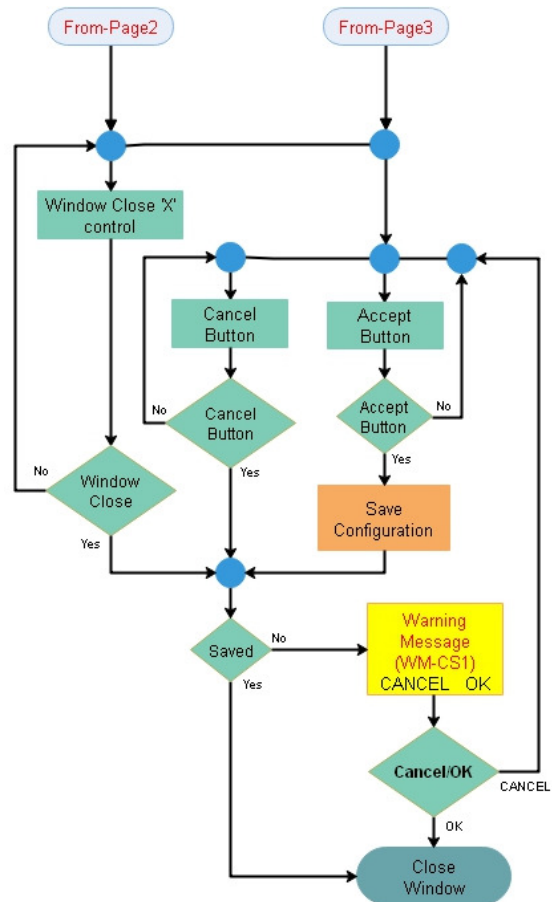
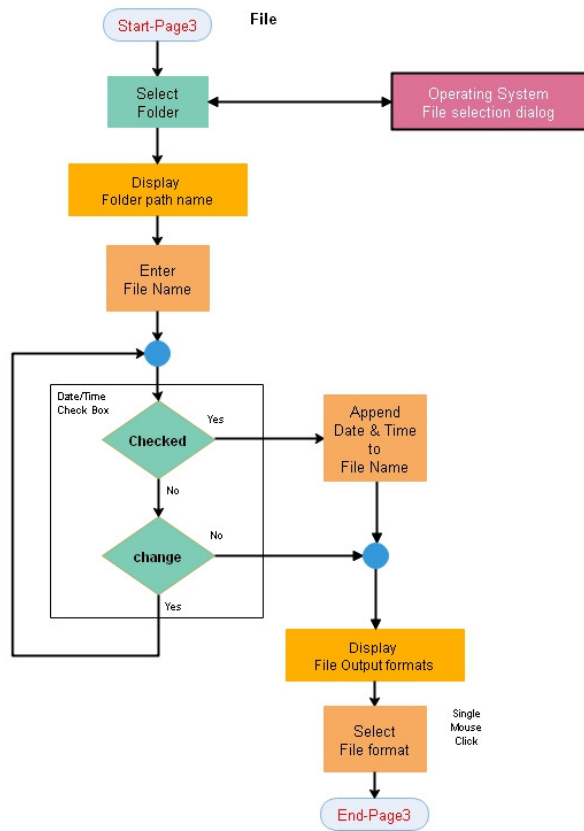


## PROCESS FLOW CHART









## USE CASES

- 1) Output to Printer
- 2) Output to File

Details below

Use Case 1 Output to Printer		
Target Window	Person Events	
Window Configuration Name	RT_Viewpoint1_Person Events4	
Target Data Origin type	Person Event Properties	
Printer	HP Universal Printing PL6	
Page Size	A4	
Page orientation	Portrait	
Top Margin Height	2	
Left Margin Width		(empty – use default)
Bottom Margin Height	2	
Right Margin Width		(empty – use default)

Use Case 2 Output to File		
Target Window	Person Events	
Window Configuration Name	RT_Viewpoint1_Person Events4	
Target Data Origin type	Person Event Properties	
Folder path	My Documents/HRE/Output	
File name	Aston family	
Append date and time	Yes	
File Output Format selection	CSV	

## 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	Viewpoints
2) Test Project database fileset	Project Open
	Project Close
	ExitHRE

## Process

- 1) Run HRE
  - a. Open HRE

- b. Open a Project
  - c. Select a DATA Window
  - d. Invoke the Select Configuration module by using the Configuration icon
  - e. Test the functionality of the module
  - f. Close the Project
  - g. Exit HRE
- 2) Check result (how?)  
See Test Plan document

See Test Plan document