DRAFT - ICT Project Guidance

Principles – Development of Graphical User Interfaces (GUI)

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## Description

This document describes Guiding Principles specific to the Development of the architecture of graphical user interfaces (GUI)s, excluding organisation and project specific style guidance.

## Synopsis

Interface developers are expected to adhere to these Principles, requiring Governance based Decisions to deviate from them.

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## Introduction

BOSSCARD/ RAID: Background [], Objective, Options, Scope[In/Out], Stakeholders [Users], Constraints, Assumptions, Risks, Dependencies, Decisions, Deliverables.

# Principles

The following are recommended guiding principles for the development of effective graphical user interfaces:

## From Any Current User Agent

The service

## Legal

The user interface must m

## Accessible

The solution must be developed to meet WCAG AA+ standards.

## BREAD organised Views

Use a predictable, repeatable, nestable pattern to rotate through the possible Actions applicable to Records.

## Single Purpose View Composition

Views are developed from components with a single purpose: either they are Input Components, Output components, or Collections Components that can contain a mix of Input or Output child components.

Examples include:

* A Browse View is a Collection of child components, comprised of an Output listing component, and an Search Parameters Input component.
* An Edit View is a Colleciton of a Single Record output display component, with an Actions Input

## Preferred Action

Each Input view presents a single preferred Action, with one to two Secondary Actions as necessary.

#### Notes

Examples of primary and secondary Actions on traditional views include:

* Browse view’s primary Outcome is to Search.   
  Secondary outcomes may only become available if select several records are selected (eg: Approve).
* A Record View’s primary Outcome is to Return (to the previous Browse View used to find the record).   
  Secondary outcomes are to Return to the previous Browse view, to Edit the Record, or Delete it.
* A Record Edit’s View’s primary Outcome is to Save the changes.   
  Secondary action’s would be to Cancel/return to the previous Record View.
* Etc.

## Avoid Flow Interruption

Avoid modal confirmation dialogues or similar interruptions that require user attention before the user can proceed with the flow of their intended action.

#### Notes

This implies that the system logic must only logically delete records, using a logical state flag (Active, Archived, Deleted, Removed) so that the state can be reversed if desired.

This also means that a Garbage/Pending Removal View needs developing to show previously Deleted Records that could be restored.

## Undo Over Cancel

In a similar vein to Avoid Flow Interruptions.

## Universal Discovery

## Avoid Ornament

Appendices

Appendix A - Document Information

### Images

[Figure 1: TODO Image 2](#_Toc144995112)

### Tables

[Table 1: TODO Table 3](#_Toc145048484)

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### References

**There are no sources in the current document.**

### Review Distribution

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### Audience

The document is technical in nature, but parts are expected to be read and/or validated by a non-technical audience.

### Structure

Where possible, the document structure is guided by either ISO-\* standards or best practice.

### Diagrams

Diagrams are developed for a wide audience. Unless specifically for a technical audience, where the use of industry standard diagram types (ArchiMate, UML, C4), is appropriate, diagrams are developed as simple “box & line” monochrome diagrams.

### Terms

Refer to the project’s Glossary.

##### IT

: acronym for Information, using Technology to automate and facilitate its management.

##### ICT

: acronym for Information & Communication Technology, the domain of defining Information elements and using technology to automate their communication between entities. IT is a subset of ICT.