Portrayal Catalogue Builder User Stories

supporting Alerts and Indications

Portrayal Catalogue / Alerts Overview

Portrayal Rules	Alert Catalog

• Feature / Attribute constraints
 	
• Alert id (optional)
   • Planning Viewing Group (optional)
   • Monitoring Viewing Group (optional)
	• Contents
	   • Alerts
	   • Highlights
	   • Messages

Alert Catalogue Components

(italics indicate optional component)

- Alerts
  - Id
  - Description
  - Route Planning
    - Priority / Priorities
    - *Message*
      (when activate)
    - *Highlight*
  - Route Monitoring
    - Priority / Priorities
    - *Message*
      (when activate)
    - *Highlight*

- *Highlights*
  - Id
  - Description
  - *Message*
    (when any viewing group is disabled)
  - Viewing Group Reference(s)

- *Messages*
  - Id
  - Description
  - *Icon*
    (reference to a PC symbol)
  - Text
    (English)
  - *Text*
    (National language)

Create Alert Catalogue

As a product developer, I need to be able to create an alert catalog because my product models at least one dangerous feature type

- Included with portrayal catalog
- Referenced from portrayal_catalog.xml
- Contains Alerts, Highlights, and Messages section

Add Alert to Alert Catalogue

As a PCB user, I need to be able to add an alert to the alert catalog so that it can be referenced by a portrayal rule

* Can be referenced by multiple rules

* Different behavior for Route Monitoring / Route Planning

Output Portrayal Rules

As a PCB user, I need to be able to associate alerts with feature types and attribute value constraints so that portrayal rules can be generated

* Output portrayal rules generate drawing instructions which reference an alert catalog entry

* Optionally allow rules to specify viewing group for monitoring and planning

Create Alert Message

As a PCB user, I may need to be able to associate an Alert Message with an Alert so that it can be displayed on the ECDIS whenever the safety check function triggers an alert

* Message in English

* Optional equivalent message in national language(s)

* Optional icon

Create Alert Highlight

As a PCB user, I may need to be able to associate an Alert Highlight with an Alert so that the ECDIS display can be decluttered

- Could have multiple viewing groups

Create Highlight Message

As a PCB user, I may need to be able to associate an Alert Message with an Alert Highlight so that it can be displayed on the ECDIS when the user disables a graphical highlight

* Message in English

* Optional equivalent message in national language(s)

* Optional icon

Validate Icons

As a PCB user, I need to be able to verify that all alert icons are included as symbols in the portrayal catalog, because otherwise the ECDIS may malfunction

* Symbol entry exists in PC

* Symbol file (SVG) exists

Validate Viewing Groups

As a PCB user, I need to be able to verify that all Alert Viewing Groups are included in the portrayal catalog, because otherwise the ECDIS may malfunction

* Viewing group exists

* Viewing group is included in viewing group layers

* Viewing group layer is included in Display Mode (Base / Std / Other)