BR_DataValidation – Project Data Validation Services

Revision history

2019-02-24	Rod Thompson	Original draft

SCOPE

This provides services associated with the Project files.

Some validation of data will occur during the process of manual entry.

As data entry is not always sequential, logical validations of every data entry is not possible, and requires the use of routines where checking rules can be added as the data entry process are developed, and Use Cases evaluated to check the processes developed.

It is anticipated that some data validation may be run in background mode.

User initiation of Data Validation action is provided for.

Issues:
1) Detail of data checking routines
2) Report (file type, filename, default location to be saved, format)

ACTIONS

On request, perform the following:
1. Check the project data according to a set of defined rules
2. Produce a report for User inspection (to determine further action).

ASSUMPTIONS

1. All Users will have the 'User Rights' to run the data validation process

USED BY

The following are presently identified:
1. ProjectClose (User activated button)

DATA UNDER CONTROL OF THIS MODULE

1. Data validation report

REQUIRED EXTERNAL DATA UNDER CONTROL OF ANOTHER MODULE

1. Project Database
2. Project Auxiliary file

REQUIRED SERVICES

First-Order Dependencies	Second-Order Dependencies	Higher-Order Dependencies

Needs details

APPLICATION PROGRAMMING INTERFACE (API)

1. Needs details

WARNING CONDITIONS

1. Need details of the condition that raised the warning, example message and possible next steps.

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

USE CASES
1) Project Close

Use Case 1
Project Close

A "Data Validation" button is provided on the Project Close window.
Connections are provided through the BR_Project module to the BR_DataValidation module.
The call initiates the routines to check the project data, and to produce a report which is saved to file, for User examination.

Block Diagram