

BR_FieldDefinition – Field Definition Services

Revision history

2017-03-24	Robin Lamacraft	Original draft
2018-04-13	John Lucas	Added query on string operation
2018-07-05	Rod Thompson	Update template

SCOPE

This module must be used to create, edit, delete and apply data entry field definitions. A data field definition specifies aspects of each data entry field:

- The GUI element ID to which it applies
- The data entry value storage type
- For integer values, the upper and lower bound values
- For decimal values, the upper and lower bound values
- For now-date values, the upper and lower bound values
- For historical-date values, the upper and lower bound values
- For string values:
 - The maximum size of the value
 - The encoding type
 - The syntax
 - The legal substitution definition set
 - The grammar rule set.
- For all value types, the set of value validation rules that apply to it.

METHODS

The fundamental operations are:

1. Create Field Definition table
2. Add a record to Field Definition table
3. Select a record in the Field Definition table
4. Edit a record in the Field Definition table
5. Delete a record in the Field Definition Table
6. Retrieve the properties for the selected record in the Field Definition table.

USED BY

- Sentence substitutions:
 - Any data entry field.

DATA UNDER CONTROL OF THIS MODULE

1. The database Field Definition table.

REQUIRED EXTERNAL DATA UNDER CONTROL OF ANOTHER MODULE

1. ID of requesting field.

REQUIRED SERVICES – Dependencies

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

1. 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.