



**MHHS
PROGRAMME**
Industry-led, Elexon facilitated

MHHS Guidance

Use of Boolean Data Type

Version 1.0



Objectives



Following a number of Defects identified in SIT, this guidance has been provided to clarify how Programme Participants should use the Boolean Data Types within the DIP routed JSON format messages.

DIN-1114 has been raised to capture the proposed updates to Design documentation and will be published as part of IR8.3

D Flows are referenced for completeness but are not subject to change as a result of the guidance provided within this document.

Issue Identified

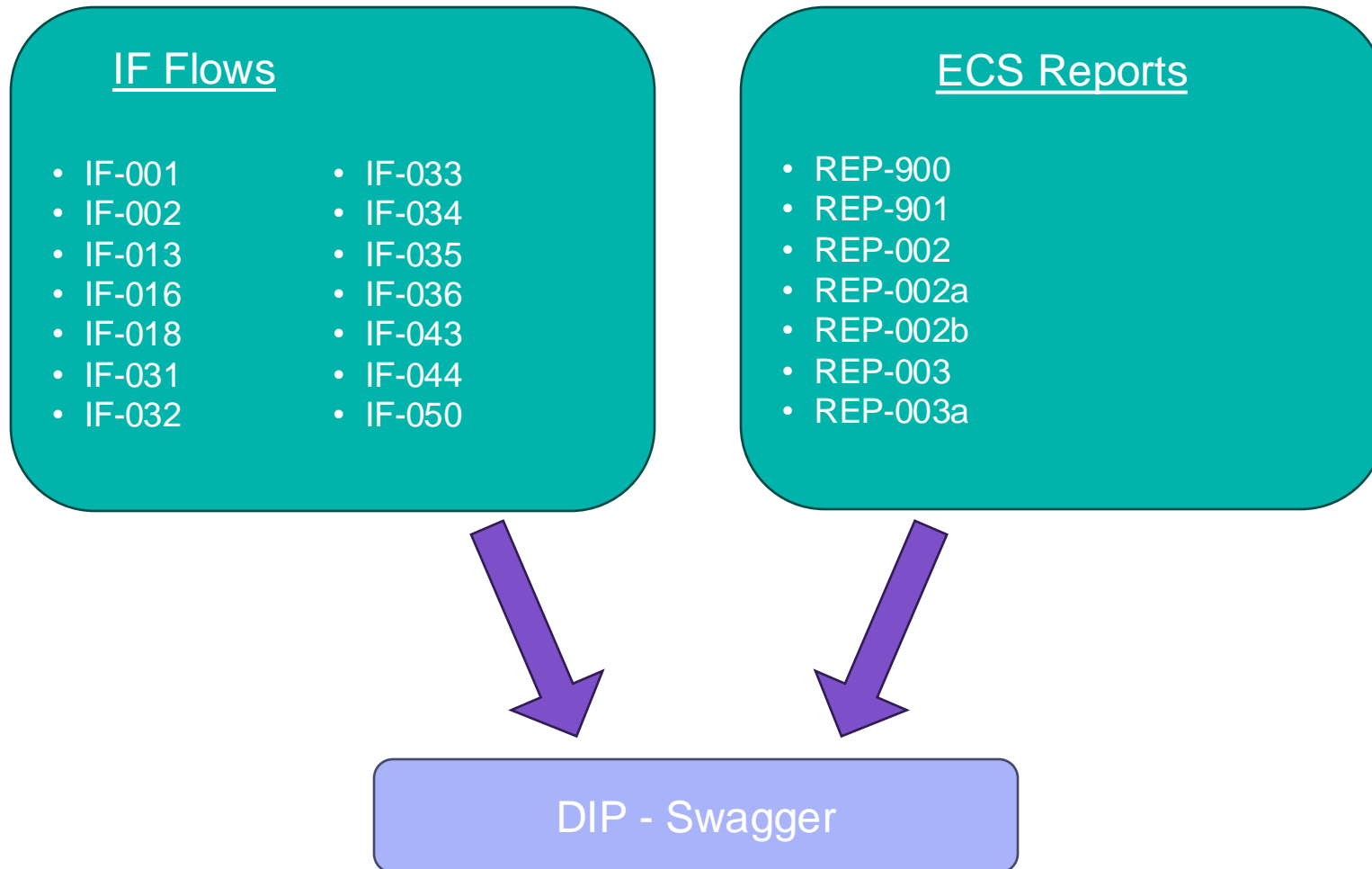
Boolean, as a Data Type, has been inconsistently documented across the MHHS Design. The lack of consistency is causing Programme Participant systems to be implemented differently.

Note – Previous guidance issued by MHHS Design team has confirmed that where differences are identified between the DES138 Interface Catalogues and DIP swagger schema then the latter should be used as the master definition.

Which Data Items are defined as Boolean Data Types?

DI-021 Customer Direct Contract Metering Service
DI-022 Customer Direct Contract Data Service
DI-030 Domestic Premise Indicator
DI-127 Metered Indicator
DI-357 Default BM Unit Flag
DI-486 DUoS Tariff Domestic Premise Indicator
DI-587 Misaligned Multi MPAN Site
DI-837 Supplier Proposed Domestic Indicator
DI-988 Replay Indicator

Which areas of the design are impacted?



Notes

The D0400 & D0404 are sent via the DTN and use J1631 (DI-357). These **DTN** D Flows have been referenced for completeness but are not subject to change as a result of the guidance provided within this document.

ISD data item definitions are also not subject to change as a result of the guidance provided within this document.

Data Items using Boolean values (DES-138 Interface Catalogue)

MHSP Data Item ID	Data Item	Nullable	Data Type	String Length Min	String Length Max	Type	ENUM Y/N	ENUM Vals	EXAMPLE
DI-021	Customer Direct Contract Metering Service	Mandatory no nulls	Boolean	1	1	Boolean~1	No		Y
DI-022	Customer Direct Contract Data Service	Mandatory no nulls	Boolean	1	1	Boolean~1	No		Y
DI-030	Domestic Premise Indicator	Mandatory no nulls	Boolean	1	1	Boolean~1	Yes	- T Domestic - F NonDomestic	T
DI-127	Metered Indicator	Mandatory no nulls	Boolean			Boolean~	Yes	True = M Metered False = U Unmetered	M
DI-837	Supplier Proposed Domestic Indicator	Mandatory no nulls	Boolean	1	1	Boolean~1	Yes	- T Domestic - F NonDomestic	Y
DI-988	Replay Indicator	Mandatory nullable	boolean	1	1	Y/N	No		

Before

Data Items using Boolean values (DES-138 Interface Catalogue)

MHSP Data Item ID	Data Item	Nullable	Data Type	String Length Min	String Length Max	Type	ENUM Y/N	ENUM Vals	EXAMPLE
DI-021	Customer Direct Contract Metering Service	Mandatory no nulls	Boolean			Boolean	No		true false
DI-022	Customer Direct Contract Data Service	Mandatory no nulls	Boolean			Boolean	No		true false
DI-030	Domestic Premise Indicator	Mandatory no nulls	Boolean			Boolean	No		true false
DI-127	Metered Indicator	Mandatory no nulls	Boolean			Boolean	No		true false
DI-837	Supplier Proposed Domestic Indicator	Mandatory no nulls	Boolean			Boolean	No		true false
DI-988	Replay Indicator	Mandatory no nulls	Boolean			Boolean	No		true false

After

Data Items using Boolean values (ERI011b – ECS Reports)

MHSP Data Item ID	Data Item	MHSP Data Type	Format	EXAMPLE	Business Validation Rule(s)	Comments
DI-030	Domestic Premise Indicator	Boolean		Y	True / False	
DI-357	Default BM Unit Flag	Boolean	T/F '±nnnnnnnnnn.nnnnnn	T = The BM Unit is the default BM Unit, F = The BM Unit is not the default BM Unit		
DI-486	DUoS Tariff Domestic Premise Indicator	Boolean	T/F	T or F		
DI-567	Misaligned Multi Mpan Site	Boolean	T/F	T/F		

Before

Data Items using Boolean values (ERI011b – ECS Reports)

MHSP Data Item ID	Data Item	MHSP Data Type	Format	EXAMPLE	Business Validation Rule(s)
DI-030	Domestic Premise Indicator	Boolean	true false	true false	true/false
DI-357	Default BM Unit Flag	Boolean	true = The BM Unit is the default BM Unit false = The BM Unit is not the default BM Unit	true false	
DI-486	DUoS Tariff Domestic Premise Indicator	Boolean	true false	true false	
DI-567	Misaligned Multi Mpan Site	Boolean	true false	true false	

After

For Note - DI-031 Load Shape Domestic Premise Indicator

This Data Item is **NOT** impacted by this guidance.

As part of IR8.2, the definition of this data item was updated to a STRING data type (max length = 1) to align with the equivalent ISD definition.

- The reason for this is that a *null* value must be supported, which means that it can't be a Boolean data type.

Therefore, this data item will not be subject to any further changes.

Where does this Data Item exist?

- IF-022
- IF-023

What is the solution?

No change to IR8.2 solution.

The only acceptable values are:

- "T"
- "F"
- null

Which Design Artefacts are impacted?

- None

Thank you