CFIHOS (JIP36)

**V1.5 Release Notes**

**October 2021**

# COntent Summary

The V1.5 release contains update to V.1.4

Some of the changes in this release were transferred from the old change request procedure (referenced as CR00XX numbers) to the new procedure implemented in 2020 (referenced as FRXX numbers). We have kept both references in these instances.

The original CR0032 covered V1.4 feedback for all elements of the issued Standard, during the transition this was split into 3 separate FRs, FR4 for RDL elements, FR5 for Narrative document elements and FR6 for Data Model elements

# **CFIHOS Data Model**

* FR3
  + Bringing the Entity and Entity Attributes from the Data Model into the RDL to support easier visibility of the full set of information requirement
* FR14
  + JIP33 - CFIHOS RDL portion (part of former CR0016)
* A set of Document and Data requirements identified by JIP33 added to both the CFIHOS data model and the CFIHOS Reference Data Library to make requirements clearer when a project includes Tags or Equipment belonging to some Class(es)
* FR15
* JIP33 Part 2 : Enable practical implementation of JIP33 via CFIHOS.
* Define information requirements to enable Purchasers and Vendors to agree on a clear definition of what information should be exchanged, the frequency and format of that information, to support the needs of specific purchase orders.
* Define information requirements to enable individual information content to be grouped together into documents, to agree on a delivery schedule and ensure the actual delivery of the information that supports the business need.
* FR16
  + Align CFIHOS Discipline Document Types with JIP33
    - Identify appropriate mapping to link document types being utilized in JIP33 to the document types being utilized in CFIHOS RDL. Recognize where new document types need to be added to the CFIHOS RDL to more fully reflect the appropriate typical deliverables and when the JIP33 typical deliverables are perhaps too detailed and specific and so should map to a more generic document type in the CFIHOS RDL.
* FR27
  + Changes to the structure of the Discipline Document Type file to reflect the new metadata requirements
* FR37
  + Changes to the data model to support a more flexible way of managing links between information requirements and other international standards
* FR43
  + Process activities and streams
* Add to the CFIHOS Data Model, and the CFIHOS Reference Data Library (RDL) , the concepts of process (Classes) and stream (Classes) in order to describe the process-related functional requirements that result in the definition of Tags performing these process activities. This benefits the OO, EPC and Software Vendors
* FR51
* Add CASE to Streams and Activities.
* FR51 in conjunction with FR43 – process activities and streams I is for them to also have CASEs. This will assist the OO with the EPC Process Engineer to view the ‘what if’ scenarios of the process streams
* FR60
* CFIHOS Release Candidate v1.4.1- Release Candidate Reviewer Feedback.
* Data Model updates with reference to issues arising from feedback on the V1.4 release.

# **Narrative Documents**

* FR16
  + Align CFIHOS Discipline Document Types with JIP33
* FR18
  + Align CFIHOS with EPIM
    - OO to have a robust Document to Equipment Class relationships requirement.
    - EPC to have a more clear Document to Equipment Class relationship for their equipment procurement packages.
    - Equipment Supplier to be able to deliver information that is appropriately classified to meet multiple Standards.
* FR27
  + Discipline Document Type Metadata Validation
    - 14 metadata fields reviewed against all Discipline Document Types to ensure they convey the quality required at Handover.
* FR48
  + Requirement for Text searchability in pdf files
    - Update the wording around the quality of scanned pdf’s to ensure end users in the supply chain are aware of the quality required.

# **Narrative Documents Known Issues**

* Comments received from JGC during member review will be addressed in the next version.

# **Reference Data Library**

* FR3 (CR0034)
  + Proposed changes to class properties arrangement
    - The merge of data requirements associated with Tag and Equipment currently stored in the ‘CFIHOS Data Dictionary’ to the ‘CFIHOS Reference Data Library (RDL)’ so users will see all information requirements for Tag, Equipment and Model Part in a single location.
  + 3 new output files
    - Entity
    - Entity Attribute
    - Entity Attribute relationships
* FR4 (CR0032)
* V1.4 feedback - RDL
* Outstanding RDL issues raised from the V1.4 release that include some changes that were not processed, or clarifications raised from CR0029. Includes:  
  + Editorial updates to property definitions and picklist names.
  + Correction of last minute CFIHOS ID change across mapping files.
  + SI Unit and Imperial Units columns updated in Class Property mapping file.
* FR7(CR0031)
* Proposed addition of missing classes and properties to CFIHOS RDL
* Missing Classes and Properties from V1.4 release reviewed and addressed
* FR14
  + Data model changes to support the JIP33 requirements. Resulting in the addition of 5 new output files
    - Application Condition
    - Application Condition group
    - Application Condition group member
    - Source Standard Document and Data requirement
    - Source Standard Document and Data requirement condition
  + The following new picklists were created
    - Comparison operator
    - Event type
    - Document and data requirement group
    - Document and data requirement type
* FR16
  + Updates to Document Type as a result of JIP33 alignment
* FR18
  + Updates to Document Type as a result of the EPIM alignment
* FR27
  + Discipline Document Type Metadata Validation
    - Updates to Document Type and Discipline Document Type files to reflect changes required to metadata
* FR37 (CR0032)
* Bug fix – inconsistency in the Source Standards
  + The Source Standard required to be implemented as a Pick List and the values used added to the Tag Class Property and the Equipment Class Properties. The Pick List was not created
  + The creation of the Pick List will improve consistency of the Source Standards being referred to in the tag or equipment class properties, therefore providing more clarity to the EPC
* 1 new output file
  + Standard Source
* Tag class properties and equipment class properties output files updated
  + Referenced standard column removed and replaced by:
    - Source standard
    - Source standard section
    - Property name in source standard
* Additional columns added to
  + Tag class
  + Tag class properties
  + Equipment class
  + Equipment class properties
* FR43
  + Process activities and Streams added to the Property Picklist and Property Picklist Values
* FR51
  + Process activity and stream addition of cases.
  + New entities and attributes added to the new files created in FR3
* FR52
* Enrich the RDL with new Tag and Equipment Classes for the Subsea equipment
  + This FR is also in connection to FR11, sought to add Tag and Equipment Classes proposed by owner operators into the CFIHOS, therefore creating a more robust and standardised RDL.
* New tag and equipment classes added
* New Property
* New Property Picklists
* New Property Picklist Values
* FR69
* Addition of ISO15926 RDL2 PCA IDs
  + Completion of the RDL relationships with the ISO 15926 numbers to make CFIHOS compliant with the ISO 15926 standard. The proposed improvements will enhance the quality of the RDL.
  + All Classes mapped to PCA Id’s (POSC CAESAR)
* RDS numbers updated against the following objects:
  + Tag Class
  + Equipment Class
  + Property
  + Property Picklist Value
  + Discipline
  + Document type
  + Unit of Measure
* 1 new output file
  + CFIHOS object equivalent mapping
* Mappings have only been added to non-Terminated items. Therefore there are some values from V1.4 that are not contained in this file.
* FR74
  + Feedback from 1.5 RC testing
  + See attached
    - Items that will not be addressed as part of v1.5 release
      * 
    - Items that were addressed in v1.5 release
      * 

# **RDL Known Issues**

## General RDL Known issues

* Using the CSV files. All Files are formatted as follows:
  + Comma Separated Values (CSV)\*
  + UTF-8
  + """ = Text Qualifier
* There are known issues with the way Excel converts csv files - relevant to both the desktop app and the online version via sharepoint. We recommend you export these files and then view them by importing them into Excel (or any other viewing tool) using the above settings to avoid any mis-handling of characters.

* Metadata against terminated items does not get updated if there are any changes to the related object. For example if a terminated property references a picklist called ‘picklist X’ and the name of the picklist changes to ‘pickist Y’ in subsequent RDL updates the terminated property will still refer to ‘picklist X. When any name changes are made we will put the old name in the Synonym column to assist with legacy users.
* RDL Master Objects file.
  + Entity Attributes and Properties. There are 32 properties (CFIHOS-1xxx series) that were terminated from the properties output file as they were not related to class property requirements. These properties are now defined in the Entity Attribute file maintaining their original CFIHOS ID. As the RDL Master object file can only have 1 instance of a CFIHOS object only the Entity Attribute version of these attributes are displayed. They are also visible in the property output file as terminated.
  + Property Picklist Values and Units of Measure. Units of measure were extracted from the property picklist values and created as an entity of their own but we maintained their original CFIHOS ID. Similar to the above, within the RDL Master objects file they are displayed once only as Units of Measure however in the individual output files they are also shown in the property picklist value file as terminated.

## V1.5 Known Issues

* Casing Consistency. The following consistent approach has been agreed for V1.5
  + Objects (class, property, property pick list, etc.) - lower case
  + Entity Attributes - lower case
  + Descriptions - first letter ONLY in upper case
  + UoM - upper or lower case per source standard (ISO 8000, EDIFACT)
  + Known exceptions to the above are:
    - any information that is related to standards (e.g. the new Source Standard files)
    - Property Picklist casing will be looked at as a separate FR as there are a large number of valid Acronyms and capitalisation so we cannot apply a programmatic approach to the casing
* Picklists defined in the Data Dictionary. There are a couple of Entities in the Data Dictionary that are identified as an RDL Picklist however the data that has been defined for that picklist do not comply with the structure for the RDL Picklist output. Therefore they have been created as their own output file for V1.5 A new FR will be raised post V1.5 to discuss and agree a better consistent approach for all picklists. Those affected are:
  + Handover Event
  + Submission Reference Date
* There were some Tag and equipment class relationships requested in FR7 that were queried during the QA of the RC feedback updates. The result was a proposal to change some relationships and add some new classes. Due to the timing and preference not to rush the creation of new classes it was agreed that this will not be completed for v1.5 but will be added to a new FR to process after release
* There are some properties that are not currently assigned to a class. There is an existing FR12 that will be addressing these in future
* Spell checking was completed across the object descriptions, however there are still some known spelling errors in other areas e.g. the entities file, notes/comments field. These will be corrected post 1.5 in alignment with the Data Model.

## V1.5 Notes for use

* Data Dictionary Entity Attribute name and description can be different from the master when used by certain entity attribute combinations.
  + For example entity attribute data type (CFIHOS-10000171) has description ‘An indication what are the type of values a data element can take’.
  + However when this attribute is used in the Property entity the attribute name is ‘property data type’ and the description is ‘An indication what are the type of values of the property can take’