CFIHOS (JIP36)

**V1.5.1 Release Notes (amended)**

**April 2023**

# Content Summary

The V1.5.1 contains updates to V1.5.

The updates via this release are content upgrades to the standard; no changes to the structure. The updates cover:

* Mandated use of the ISO 8601 date format.
* Suppressed the light version of the data dictionary.
* Improved visibility of the relationships between entity and entity attributes
* Standardised casing throughout the RDL.
* Amended equipment and tag class hierarchies.
* Expanded tag class and equipment class properties.
* Added class and properties to support use within the nuclear sector.
* Provided general formatting and content enhancements to the narrative documents.
* Updated tag equipment class relationships to improve their accuracy.
* Updated the property picklist values to align with IOGP Report 544 Standardization of barrier definitions - Supplement to Report 415.
* General Bug fixes.
* New bilingual version of the narrative documents with a Chinese translation provided.

# Notes for use

## General Use Notes

| # | CFIHOS V1.5.1 Use Note |
| --- | --- |
| 1 | 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 code (CFIHOS-10000171) has the 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’ |
| 2 | Using the CSV files. All Files are formatted as follows:   * Comma Separated Values (CSV)\* * UTF-8 * """ = Text Qualifier   If opening in Excel (relevant to both the desktop app and the online version via SharePoint), Excel automated format conversions can alter data in the csv files – e.g., drop leading zeros. 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 mishandling of characters. |
| 3 | 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 ‘picklist 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. |
| 4 | 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. |

## Updates Made in V1.5.1 to Correct Issues from V1.5

| # | CFIHOS V1.5.1 Use Note |
| --- | --- |
| 1 | There were 12 source standards that were processed in FR74 but did not appear in the V1.5.1 output files generated. We have included these as part of FR12 for tracking purposes so that they are clearly identified as new items in V1.5.1. |
| 2 | In V1.5, within property, the count of properties with a “unit of measure dimension code” defined was only 52. In V1.4, the count was 393. Via this V1.5.1 release this omission has been fixed. |

# Known Issues

## V1.5.1 Known Issues

| # | CFIHOS V1.5.1 Known Issue |
| --- | --- |
| 1 | RDL: Spell checking was completed across the object descriptions, however there are still some known spelling errors in other areas e.g., the entities file and notes/comments field. These will be corrected post 1.5.1 in alignment with the Data Model. |
| 2 | RDL/Data Model: Picklists are defined in the Data Dictionary. There are two 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 were created as their own output file for V1.5 (and this persists in V1.5.1). FR75 (FR75 – Alignment and Clarity of Picklists Used by the Data Model and RDL) is currently sitting on the CFIHIS approved backlog, so enhancements will be available in a future release. Those affected are:   * Handover Event * Submission Reference Date |
| 3 | RDL/Data Model: There is a discrepancy between the data model and the files that are generated from the RDL for ‘tag class property’ and ‘equipment class property’.   * The Data Model refers to these entities as ‘tag class property’ and ‘equipment class property’, while the RDL csv output (and thus Excel tabs) refers to ‘tag class properties’ and ‘equipment class properties’. * This misalignment will be corrected post 1.5.1 via a bug fix FR. |
| 4 | RDL: Inconsistency between the tag class “equipment installed” indicator and the tag to equipment class relationships. Some tag classes have the “equipment installed” set to no but there are still tag equipment class relationships defined. It is anticipated alignment between this indicator and relationships will be available via a future release. |
| 5 | RDL/Document: - Some of the “source standard document and data requirement” records reference a “source standard doc and data req typical deliverable” that shows a terminated document type status. This relates to 9 source standard (JIP33) requirements in total, 8 of which are not active/published in the latest JIP33 IRS. These have been picked up on as part of the JIP33/36 alignment work. The output of this alignment work will be included in a future CFIHOS release. |
| 6 | Data Model: There is a known issue in the C-DM-002 Data Dictionary related to the Relationship verb shown for the Equipment Entity Attributes Manufacturer company name and Model part name. On slides 13, 14 and 15 of the Data Model (C-DM-001) CDM PowerPoint pack you can see the relationships between the MODEL PART and the COMPANY (called “makes”) and the EQUIPMENT (called “is the model of”). In the Data Dictionary you will see the relationship verb against both attributes is “is the model of”. For Manufacturer company name there should also be a relationship verb “makes”. However we have a limitation at the moment in the software that generates the model that can only show one relationship. We are working to resolve this in a future CFIHOS release. |

# Feature Requests (FRs) included in V1.5.1

| FR# | Name | Feature Request Type | CFIHOS Standard section | RDL Element | Release Note |
| --- | --- | --- | --- | --- | --- |
| FR71 | Suppression of the Light Version of the Data Dictionary | Change to existing | Data Model |  | To make preparation, maintenance and consumption of the CFIHOS data dictionary more efficient there now exists only a single, complete data dictionary. |
| FR72 | Visibility of the relationships between Entity and Entity Attributes | Backlog Team Pre-Approved | Data Model |  | To support understanding and use of the CFIHOS data dictionary relationship associations between ‘entities’ and ‘entity attributes’ is now included in the output files via a ‘Relationship Verb’ field. |
| FR76 | JGC Comments on V1.5 Narrative Documents | Change to existing | Documentation |  | To provide general formatting and content enhancements to the narrative documents. |
| FR93 | UUID Bug Fix | Bug Fix | Documentation |  | To avoid confusion with the definition of ‘universally unique identifier’ (UUID), the reference within the ‘CFIHOS - Implementation Guide for Principal C-GD-001’ now refers to CFIHOS IDs as ‘CFIHOS unique identifiers’. |
| FR12 | CR0036-Proposed Tag Classes, Equip Classes and Class Properties in CFIHOS RDL | Change to existing | RDL Content | Tag Class, Property, Equipment Class, Property Picklist, Source Standards | To expand the tag class properties and equipment class properties to cover data requirements that owner/operators need to manage. |
| FR32 | Nuclear Sector Definitions | Change to existing | RDL Content | Equipment Class, Tag Class, Property, Property Picklist, Source Standards | To add tag classes and equipment classes, along with associated properties primarily from the civil discipline. Driven by changes to support the nuclear sector, the updates will also benefit users more generally (e.g., construction, engineering and owner/operators). |
| FR68 | Mandate ISO 8601 date format | Change to existing | RDL Content, Data Model, Documentation | Property Picklist | Mandates the use of date data in ISO 8601 format. |
| FR78 | Invalid Tag to Equipment Class Relationships | Bug Fix | RDL Content | Tag Class, Equipment Class | Updates to the tag equipment class relationships to improve their accuracy. |
| FR79 | Casing updates throughout the RDL | Bug Fix | RDL Content | Tag Class, Equipment Class, Property, Discipline Document Type, Source Standards, Application Conditions | Building on casing standardisation done in previous releases, updates were made across the majority of object types to implement rules such as object names in lower case, descriptions in sentence case and organisation names appearing in title case. |
| FR81 | Amend equipment and tag class hierarchies | Bug Fix | RDL Content | Tag Class, Equipment Class | To reduce risk of confusion when implementing the tag and equipment class hierarchies, the top node for both hierarchies was renamed to be ‘class’. |
| FR89 | Update CFIHOS property picklist values for safety critical item group | Bug Fix | RDL Content | Property Picklist, Source Standards | To update the property picklist values to align with IOGP Report 544 Standardization of barrier definitions - Supplement to Report 415 rather than being company specific. |
| FR106 | other mechanical equipment description bug | Bug Fix | RDL Content | Equipment Class, Tag Class | To correct a spelling error in the description against the tag and equipment class ‘other mechanical equipment’. |
| FR120 | V1.5.1 RC1 Bugs to be Fixed via V1.5.1 RC2 | Bug Fix | RDL Content | Tag Class, Equipment Class, Property, Property Picklist, Source Standards | A catch-all FR to cover general bug fixes identified during the development of the CFIHOS V1.5.1 release, including the V1.5.1 RC. |

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