Change Proposal

ID:	**AIXM-158**
target version:	**AIXM 5.1.1**
version:	**1.0**
last updated:	**21 APR 2015**
status:	**Implemented**

AIXM
Aeronautical Information Exchange Model

Change Control Board

Correct misspelled words and abbreviations

Description

Spelling errors that affect entries in list of values for data types are corrected.

Rationale for change

See https://aixmccb.atlassian.net/browse/AIXM-100

The following abbreviations are misspelled in the current model:

- <<codelist>> CodeLevelTableDesignatorType (both in UML and in the XML schema), the value "VFR_RVMS" is misspelled. It should be VFR_RVSM

This could cause difficulties for operational people that would be confronted with the misspelled abbreviation in a HMI or when working with an AIXM data set.

Impact assessment

After discussions in the AIXM CCB (see Change Proposal AIXM-139), it was decided that such editorial corrections will be done without deprecation. The wrongly spelled value is simply corrected, since 1:1 mapping is possible and will be supported with scripts provided with the new version.

AIXM 5.1 data providers are not affected by this change as long as they remain compliant with the AIXM 5.1 version.

AIXM 5.1.1 data providers shall consider the possibility to also provide AIXM 5.1 data to legacy users, who are not yet ready to process the corrected values of the AIXM 5.1.1 schema. This can be done with the AIXM 5.1 - AIXM 5.1.1 XSLT conversion scripts that will be part of the AIXM 5.1.1 Release.

Data users might have to deal with a mixed environment, in which they receive data from both AIXM 5.1 and AIXM 5.1.1 data providers. Straight-forward conversion in both directions will be possible with the AIXM 5.1 - AIXM 5.1.1 XSLT conversion scripts that will be part of the AIXM 5.1.1 Release.

Change Proposal details

In the UML model, the following data types values are modified:

- CodeLevelTableDesignatorType
  - the value "VFR_RVMS" is replaced by "VFR_RVSM"

The same corrections are propagated in the AIXM XML Schema.

Mapping AIXM 5.1 to AIXM 5.1.1 (forward)

The following algorithm shall be applied:

- For each StandardLevelTable.name that has the value "VFR_RVMS":
    - replace the value "VFR_RVMS" with "VFR_RVSM"
- For any other XML elements/attributes - copy identical in the output

This algorithm will be implemented in an XSLT script that will be provided together with the AIXM 5.1.1 Schema.

Mapping AIXM 5.1.1 to AIXM 5.1 (backward)

The following algorithm shall be applied:

- For each StandardLevelTable.name that has the value "VFR_RVSM":
    - replace the value "VFR_RVSM" with "VFR_RVMS"
- For any other XML elements/attributes - copy identical in the output

This algorithm will be implemented in an XSLT script that will be provided together with the AIXM 5.1.1 Schema.

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