

VC-6 Registers Submission notes — 2021-08-17

I used the 31FS pre-FCD Zip: `31FS-WD-ST-2117-10-Mapping-VC-6-into-MXF-2021-06-08(pre-FCD-pkg).zip`.

This contains the same XML as the Registers Submission

`101_BD_2021-03-30--ST2117-10-VC6-MXF` at `202105161722`

I think the Registers Submission will need to be reverted to `initial_draft` ASAP.

Some notes on issues are below. A full review will be needed between the XML and Word doc once updates have been made.

Word doc queries/issues

Picture Element Key

Also mention byte 14 (as well as byte 16) re being 7F? — YES

If byte 16 is being constrained to "1" doesn't that mean there can only be one VC6 Picture Element per GC? Is that the intention? Surely if this is being constrained then Byte 14 must be set to "1" as well? — YES

CONSTRAINED FOR NOW — could be amended later

Groups and Elements

The ULs of the three VC6EchelonProperties Elements are missing from the Word document

The parents of the two groups are not indicated – either state explicitly or add an extra row in each Group table (per the example in AG-24)

Including the Set UL in the Group but not the length (or inherited properties) could lead to confusion — perhaps list everything (per AG-24), or just the new Elements

(suggestion) A "Req ?" column (per AG-24 examples) would be clearer than including/omitting "[Req]" in the "Meaning" column

XML queries/issues

General

(suggestion) Remove the `master_commit_tag` line from the top of each XML file to prevent inadvertent Registers edits (as appears to have happened with Types)

Labels

Typo ("Typess") in name of MXFGCVC6BitstreamTypes (in fact, avoiding the word "Types" might not be a bad idea given the Types Register...)

Groups

The Names and Definitions are a bit inconsistent between the two groups (in terms of whether they include the Standard number or not)
Typo ("an"/"and") in the definition of VC6EchelonProperties (reproduced in Table 7 of the Word doc)
Incorrect Defining Document for VC6EchelonProperties
Incorrect Parent for VC6EchelonProperties (should be InterchangeObject probably)

Elements

Mismatch between Symbol and Name for VC6ShortcutVectorsBatch — SHOULD BE BATCH
Incorrect Name for VC6EchelonVector
Should two of the Elements use the Type IDRefStrongReferenceSet?
This looks like a typo...
VC6EchelonVector has a different ContextScope to all the other Elements
Incorrect DefiningDocument for VC6SampledWidth
The Elements in VC6EchelonProperties should have "[Req]" removed from their Definitions in the XML

Types

The Symbol (and DefiningDocument) of the existing Type KLVDDataDefinitionStrongReferenceSet has been edited – presumably

this is a mistake

- For VC6SubDescriptorEchelonStrongReferenceVector:

The UL nests it under an existing Type. A more appropriate UL would be: ``urn:smpte:ul:060e2b34.01040101.05061000.00000000``

More appropriate Symbols and Names for this Type would be:

VC6EchelonPropertiesStrongReferenceVector

Incorrect DefiningDocument

BaseType needs to be the UL of a new Type (which needs to be created) – it would be called VC6EchelonPropertiesStrongReference

Create the VC6EchelonPropertiesStrongReference Type