# Impact Analysis Report / RFC-Proposal

**Section 1: Meta-data**

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| **RFC ID** | **RFC\_DDCOM\_0029** (RTC-59787) |
| **Related Incident ID** | IM478320 |
| **RFC Initiator / Organization** | DG TAXUD/B3 |
| **CI** | DDCOM-20.3.0-v1.00 |
| **Type of Change** | **Standard** **Emergency** |
| **Nature of Change** | Justification for Evolutive   |  | | --- | |  | |
| **RFC Source** | |  |  | | --- | --- | | **Legal & Policy Change**  **Organisational Changes** | **Business Change**  **IT Change** | |
| **Review by Business User recommended?** | **Yes No** |

***Change Summary***

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| **DDCOM 20.3.0-v1.00 - Correction in "IV.6 Logic of Rules/T/TRT/BRT and Conditions validation sequence for NCTS-P5 and AES-P1".** |
| Correcting/clarifying the validation sequence of Rules/T/TRT/BRT and Conditions with a Sequencing Rule. |

**Section 2: Problem statement**

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| The section “IV.6 Logic of Rules/T/TRT/BRT and Conditions validation sequence for NCTS-P5 and AES-P1” describes, how validation is achieved when a sequencing rule is present or not.  The current change is proposed, since it was identified that some development teams could be confused regarding the implementation of the sequencing logic as it is currently stated in DDCOM-20.3.0.  The confusion was observed when a Sequencing Rule exists and contains only the conflicting R/C/T/TRT/BRT (as per its definition), while DDCOM-20.3.0 does not clearly specify in which order the remaining R/C/T/TRT/BRT should be validated.  The Figure 10 and the text in this section need to be updated to clarify the validation approach in all cases:   * when a Sequencing Rule exists or not (while the default validation order applies), or * when there is a need to override the default validation order of R/C/T/TRT/BRT. |

**Section 3: Description of proposed solution**

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| On the next release of DDCOM the following changes will be performed in the section "IV.6 Logic of Rules/T/TRT/BRT and Conditions validation sequence for NCTS-P5 and AES-P1" (addition of **text highlighted in yellow** – removal of ~~text with strikethrough~~ ):  (…)  The ~~recommended~~ applicable sequence for any validation, regardless the period that this is performed, is the following: Format Validation (XSD) → Codelist Validation → BRTs Validation → TRTs Validation → Conditions Validation → ~~Rules Validation →~~ Technical Rules Validation → Rules Validation.  Example #1:   |  |  |  | | --- | --- | --- | | **Attached S/R/C/T/TRT/BRT** | **Sequencing Rule exists?** | **Validation order** | | B1894  C0908  E1406  R0789 | No Sequencing Rule 🡪 Default order of validation | B1894  E1406  C0908  R0789 |   If a Sequencing Rule exists, then the textual description of the Sxxxx will contain (in the majority of cases) only the conflicting R/C/T/TRT/BRT applicable to the specific DI/DG to unambiguously define the sequence of validation. For the rest of R/C/T/TRT/BRT (that are not mentioned in Sxxxx) the default aforementioned sequence applies, i.e. Format Validation (XSD) → Codelist Validation → BRTs Validation → TRTs Validation →Conditions Validation → Technical Rules Validation → Rules Validation.  Example #2:   |  |  |  |  | | --- | --- | --- | --- | | **Attached S/R/C/T/TRT/BRT** | **Sequencing Rule exists?** | **Validation order1** | **Validation order2** | | B2222  C1234  C2345 | **No** | B2222  C1234  C2345 | B2222  C2345  C1234 |   Validation order has no importance on the final result > No Sequencing Rule is needed.  Example #3:   |  |  |  | | --- | --- | --- | | **Attached S/R/C/T/TRT/BRT** | **Sequencing Rule exists?** | **Validation order** | | S1011  B1854  C0191  C0812 | **S1011**: *The validation of a particular Data Group or Data Item shall be performed in the following sequence: C0812 > C0191* | S1011  B1854  C0812  C0191 |   **Important note:** In the very exceptional case where the validation must follow another sequencing pattern, alternative to the aforementioned default sequence, a full Sequencing Rule will be applied to the specific Data Item or Data Group, including all R/C/T/TRT/BRT (and not only the conflicting ones) to explicitly define the validation sequence of all Rules/T/TRT/BRT and Conditions attached.  Example #4:   |  |  |  | | --- | --- | --- | | **Attached S/R/C/T/TRT/BRT** | **Sequencing Rule exists?** | **Validation order** | | S1111  B1999  C0999  C0888  R0999 | **S1111**: *The validation of particular Data Group/Item shall be performed in the following sequence: C0888 > B1999 > C0999 > R0999* | S1111  C0888  B1999  C0999  R0999 |   The above logic is reflected in the Figure 10.  ~~Validation should be performed, reporting at least the first error found and as many errors as possible that can be reported as well.~~  The message validation process must report at least the first error found and it should report as many errors as possible that can be reported.  In addition, the existing figure    will be replaced by:    Figure 10: Logic of validations sequence in NCTS-P5 and AES-P1  **Impacted CIs**:   * DDCOM-20.3.0-v1.00: **Yes;** * DDNTA-5.14.1-v1.00: No; * DDNXA-5.14.1-v1.00: No; * CSE-v51.6.0: No; * DMP Package-5.6.0 SfA-v1.00: No (incl. update of file Rules and Conditions\_v0.43): No; * CS/MIS2-v2.0.0: No; * UCC IA/DA Annex B: No; * Functional Specifications (FSS/BPM)-v5.30: No; * CTS-5.6.1-v1.00: No; * ACS-v5.5.0 & ACS-Annex-NCTS: 5.5.0: No; * NCTS\_CTP-5.7.0-v1.00: No; * NCTS\_TRP-5.7.5: No; * ieCA 1.0.2.0: No; * CRP-5.5.0-v1.00: No; * CS/MIS2\_DATA: No; * CS/RD2\_DATA: No; * AES-P1 and NCTS-P5 Long-Lived “Legacy” (L3) Movements Study v1.40: No   **IMPACT ASSESSMENT**  **No impact on External Domain.**  This RFC-Proposal is considered as **likely purely documentary correction, at this stage** (unless implemented differently by some NAs), with no impact on the business continuity (if all the NAs have already the same understanding of the Sequencing Rules specifications).  **Proposed** date of applicability in Operations (T-Ops): Flexible date - Before the NA starts operations with NCTS-P5 or AES-P1.  **Proposed** date of applicability in CT (T-CT): N/A (NCTS\_TRP-5.7.x is already aligned to this RFC-Proposal)  **Expected** date of approval by ECCG (T-CAB): February 2022  **Impact on transition Legacy/To-Be**: None  **Consequence of not approving the RFC-Proposal**: Minor inconsistencies remain, causing possible confusion when defining Sequencing Rules in the future.  **Risk of not implementing the change**: Possible confusion when defining Sequencing Rules. |

**Impact on CI artefacts**

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| DDCOM 20.3.0-v1.00 | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | Updates as described in section 3. | |

**Estimated impact on National Project**

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| Cosmetic?  Low  Medium  High  Very High  Short description   |  | | --- | | * **No impact if already correctly implemented.** * **Else, to be assessed by each NA.** | |

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| **Document History** | | | |
| **Version** | **Status** | **Date** | ***Comment*** |
| v0.10 | Draft by CUSTDEV | 19/01/2022 |  |
| v0.20 | Update by DG TAXUD | 24/01/2022 |  |
| v0.21 | Update by CUSTDEV | 26/01/2022 |  |
| v0.30 | Update by CUSTDEV | 27/01/2022 |  |
| v0.31 | Reviewed by DG TAXUD/B3 | 27/01/2022 |  |
| v0.32 | Reviewed by DG TAXUD/B3 | 31/01/2022 | *“The recommended sequence” replaced by “The applicable sequence”* |
| v1.00 | SfA to NPMs | 03/02/2022 |  |