# Impact Analysis Report / RFC-Proposal

**Section 1: Meta-data**

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| **RFC ID** | **RFC\_NCTS\_0125** (RTC-58385) |
| **Related Incident ID** | - |
| **RFC Initiator / Organization** | DG TAXUD |
| **CI** | **NCTS-P5 (DDNTA-v5.14.1 – CSE-v51.6.0)** |
| **Type of Change** | **Standard** **Emergency** |
| **Nature of Change** | Justification for Evolutive   |  | | --- | | **Re-evaluation of the optionality DG Transport Document.** | |
| **RFC Source** | |  |  | | --- | --- | | **Legal & Policy Change**  **Organisational Changes** | **Business Change**  **IT Change** | |
| **Review by Business User recommended?** | **Yes No** |

***Change Summary***

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| **NCTS-P5: (DDNTA-v5.14.1 - CSE-v51.6.0) - Re-evaluation of the optionality DG Transport Document** |
| The main issue of this IAR, raised by DG TAXUD, is related to the optionality of the DG Transport Document.  More specifically, based on the current technical specifications, the optionality of the ‘Transport Document’ Data Group is configured as “Optional” with G0825. As per the applied guideline, the information in the specific Data Group shall be provided at the appropriate level (CONSINGMENT and/or HOUSE CONSIGNMENT LEVEL) in all cases. Thus, despite the fact that the Transport Document is optional, the information is expected to be always filled in taking also into consideration that as per UCC ANNEX B ver. 10.2, Data Group “TRANSPORT DOCUMENT (12 05 000 000)” in columns D1/D2/D3 is “Mandatory”. This approach was adopted, following several discussions with MS Forerunners.  In terms of this IARs, re-evaluation of the Optionality of the Data Group <Transport Document> is proposed post transitional period. It is suggested to implement a stricter approach by validating technically that the Data Group <Transport Document> shall be always provided either at Master Consignment or/and at House consignment level.  Thus, the optionality of the <HOUSE CONSIGNMENT.TRANSPORT DOCUMENT> data group will be updated to ‘Dependent’ by applying a new condition in both Common and External Domain messages. |

**Section 2: Problem statement**

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| In UCC ANNEX B ver. 10.2, Data Group “TRANSPORT DOCUMENT (12 05 000 000)” in columns D1/D2/D3 is “Mandatory”.  In the appendix Q2 (ver. 5.14.1), the optionality of the specific Data Group is configured as “Optional” by applying G0825 (content is provided below). The information for the specific Data Group shall be provided at the appropriate level (CONSINGMENT and/or HOUSE CONSIGNMENT LEVEL) in all cases (regardless of the value of Data Item Security). This approach was adopted, following several discussions with MS Forerunners, since it is considered that this information will always be provided.  In the latest version of the CSE deliverable (NCTS-P5 DDNTA-v5.14.1 based on CSE-v51.6.0), TRANSPORT DOCUMENT Data Group has the following structure (current):   * In **Common Domain** Messages: CD001C, CD003C, CD012C, CD038C, CD050C, CD115C, CD160C, CD165C   ---CONSIGNMENT 1x R  (…)  ------TRANSPORT DOCUMENT 99x O E1301 G0825  (…)  ------HOUSE CONSIGNMENT 999x R E1406  (…)  --------TRANSPORT DOCUMENT 99x O E1301 G0825   * In **Common Domain** Message: CD018C   ---CONSIGNMENT 1x D C0930 G0360  (…)  ------TRANSPORT DOCUMENT 99x O E1301 G0360  (…)  ------HOUSE CONSIGNMENT 999x O E1406 G0360  (…)  --------TRANSPORT DOCUMENT 99x O E1301 G0360   * In **External Domain** Messages: CC013C, CC015C   ---CONSIGNMENT 1x R  (…)  ------TRANSPORT DOCUMENT 99x O E1301 G0825  (…)  ------HOUSE CONSIGNMENT 999x R E1406  (…)  --------TRANSPORT DOCUMENT 99x O E1301 G0825   * In **External Domain** Message: CC029C   ---CONSIGNMENT 1x R  (…)  ------TRANSPORT DOCUMENT 99x O G0825  (…)  ------HOUSE CONSIGNMENT 999x R  (…)  --------TRANSPORT DOCUMENT 99x O G0825   * In **External Domain** Message: CC043C   ---CONSIGNMENT 1x D C0027  (…)  ------TRANSPORT DOCUMENT 99x O G0825  (…)  ------HOUSE CONSIGNMENT 999x R  (…)  --------TRANSPORT DOCUMENT 99x O G0825   * In **External Domain** Message:CC017C   ---CONSIGNMENT 1x D C0930 G0360  (…)  ------TRANSPORT DOCUMENT 99x O G0360  (…)  ------HOUSE CONSIGNMENT 999x O G0360  (…)  --------TRANSPORT DOCUMENT 99x O G0360  The existing conditions/rules assigned are the following:        In terms of this IAR, in order to restrict technically that the instance of the Data Group TRANSPORT DOCUMENT shall be provided **either** at CONSIGNMENT **and/or** HOUSE CONSIGNMENT level the following amendments will be performed:   * In Common Domain Messages CD001C, CD003C, CD012C, CD038C, CD050C, CD115C, CD160C, CD165C: a new condition will be applied in the data group HOUSE CONSIGNMENT.TRANSPORT DOCUMENT and its’ optionality will be updated to Dependent**.** * In Common Domain Message: CD018C: the data group HOUSE CONSIGNMENT.TRANSPORT DOCUMENT will remain as is and neither addition of the new condition nor update of the data group optionality will occur (due to guideline G0360). * In External Domain Messages: CC013C, CC015C, CC029C, CC043C: the condition will be applied in the data group HOUSE CONSIGNMENT.TRANSPORT DOCUMENT and its’ optionality will be updated to **Dependent**: * In **External Domain** Message: CC017C, the data group HOUSE CONSIGNMENT.TRANSPORT DOCUMENT will remain as is and neither addition of the new condition nor update of the data group optionality will occur (due to guideline G0360). |

**Section 3: Description of proposed solution**

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| The **DDNTA-v5.14.1 (incl. Appendix Q2) and the CSE-v51.6.0** shall be corrected as follows (addition of **text highlighted in yellow and removal with** ~~red strikethrough~~):  A **new** condition (**C0003**) shall be created to be apply to <HOUSE CONSIGNMENT.TRANSPORT DOCUMENT> data group in both Common AND External Domain messages. In addition, the optionality of the aforementioned data group (under House Consignment Level) will be updated to **Dependent**.  **C0003:**  **Technical Description:**  IF /\*/Consignment/TransportDocument is PRESENT  THEN /\*/Consignment/HouseConsignment/TransportDocument = "O"  ELSE /\*/Consignment/HouseConsignment/TransportDocument = "R"  **Functional Description:**  IF <CONSIGNMENT-TRANSPORT DOCUMENT> is PRESENT  THEN <CONSIGNMENT-HOUSE CONSIGNMENT-TRANSPORT DOCUMENT> = "O"  ELSE <CONSIGNMENT-HOUSE CONSIGNMENT-TRANSPORT DOCUMENT> = "R"  *Validation for Common Domain messages:*  Validated by Sender: ‘R’  Validated by Recipient: ‘SR’  *Validation for External Domain messages:*  Validated by Sender: ‘-’  Validated by Recipient: ‘-’   * **In Common Domain Messages:**   **In CD001C, CD003C, CD012C, CD038C, CD050C, CD115C, CD160C, CD165C:**  ….  ------HOUSE CONSIGNMENT 999x R E1406  ….  ---------TRANSPORT DOCUMENT 99x ~~O~~ D E1301 G0825 C0003  ….  In **CD018C,** the aforementioned data group will remain as is and neither addition of the new condition nor update of the data group optionality will occur (due to guideline G0360).   * **In External Domain Messages:**   **In CC013C, CC015C:**  ….  ------HOUSE CONSIGNMENT 999x R E1406  ….  ---------TRANSPORT DOCUMENT 99x ~~O~~ D E1301 G0825 C0003  ….  **In CC029C, CC043C:**  ….  ------HOUSE CONSIGNMENT 999x R  ….  ---------TRANSPORT DOCUMENT 99x ~~O~~ D G0825 C0003  ….  In **CC017C,** the aforementioned data group will remain as is and neither addition of the new condition nor update of the data group optionality will occur (due to guideline G0360).   * NCTS-Data Mapping- v0.43 file: NCTS-Data Mapping- v0.43” file will be updated to depict the change regarding the rules and conditions of the messages CD001C, CD003C, CD012C, CD038C, CD050C, CD115C, CC013C, CC015C, CC029C, CC043C described above.   **IMPACT ASSESSMENT:**  This RFC-Proposal concerns changes at semantic level in Common Domain messages.  It is considered that the change proposed via the current RFC-Proposal has impact on business continuity and therefore shall be deployed in a **Big Bang** approach. More specifically:    **Changes at semantic level**  The changes at the semantic level, namely concern the creation of new Condition C0003 which will be applied in CD001C, CD003C, CD012C, CD038C, CD050C, CD115C, CD160C, CD165C, CC013C, CC015C, CC029C and CC043C messages.     * *With respect to the creation of the C0003*   + If the sender is aligned with the proposed changes (DDNTA 5.15.0) and the receiver is not aligned with the proposed changes (DDNTA 5.14.1), then no semantic error shall be caused as the optionality of Transport Document data group in 5.14.1 (House Consignment level) is Optional.   + If the sender is not aligned with the proposed changes (DDNTA 5.14.1) and the receiver is aligned with the proposed changes (DDNTA 5.15.0), then a semantic error shall be caused (IE906) due to the violation of C0003 for the case where data group Transport Document is not present neither at Consignment nor at House Consignment level.     **Movement initiated under the previous DDNTA (5.14.1) release which continues its flow under the new DDNTA (5.15.0) release (open movement):**  An issue is identified if a movement was initiated under the previous DDNTA (DDNTA 5.14.1) release and continues its flow under the new DDNTA (DDNTA 5.15.0) release (open movement). More specifically, in case an NA is initially not aligned with the proposed changes, if Transport Document data group is not Present at Consignment level, then Transport Document data group at House Consignment level is Optional ‘O’. In case later on and while the movement remains open, the NA becomes aligned with the proposed changes (DDNTA 5.15.0), if Transport Document data group is not Present at Consignment level, then Transport Document data group at House Consignment level is Required ‘R’. In such case, an issue is identified.  **Changes at syntactic level**  N/A  **Impact in case of no Implementation**  In case of not implementing this change, errors can possibly occur as the optionality of Transport Document data group (House Consignment level) changes from “O” to “D” which may cause semantic errors if the value is missing as indicated in the above analysis.  **Proposed** date of applicability in Operations (**T-Ops**):   1.12.2022  **Proposed** date of applicability in CT (**T-CT**):                     July 2022  **Expected** date of approval by ECCG (**T-CAB**):                  January 2022  **Impact on transition**: None  **Risk of not implementing the change:** Yes  **Impacted Messages:**   * Common Domain Messages: CD001C, CD003C, CD012C, CD038C, CD050C, CD115C, CD160C, CD165C * External Domain Messages: CC013C, CC015C, CC029C, CC043C   Impacted CI Artefacts:   * **CSE-v51.6.0: Yes;** * **DDNTA-5.14.1-v1.00 (Appendix Q2\_R\_C, PDFs): Yes;** * **DMP Package-v5.6.0 SfA-v1.00: Yes (incl. update of file Rules and Conditions\_v0.43): Yes;** * **CTS-5.6.1-v1.00: Yes;** * **CTP-5.7.0-v1.00: Yes;** * **CRP-v5.5-v1.00: Yes;** * **ACS - v5.5.0 & ACS-Annex-NCTS: 5.5.0: Yes;** * **TRP-5.7.3: Yes;** * DDNTA-5.14.1-v1.00 (Main Document): No; * Functional Specifications (FSS/BPM): No; * UCC IA/DA Annex B: No; * DDCOM v20.3.0-v1.00: No; * ieCA 1.0.1.0: No; * CS/MIS2\_DATA: No; * CS/RD2\_DATA: No; * AES-P1 and NCTS-P5 Long-Lived “Legacy” (L3) Movements Study v1.40: No. |

**Impact on CI artefacts**

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| **DDNTA-v5.14.1 (Appendices)** | Cosmetic  Low  Medium  High  Very High   |  | | --- | | Appendices generated by CSE + Appendix Q2, Q2\_R\_C, K | |
| **CSE-v51.6.0** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | Updates as described in section 3. | |
| **DMP-v5.6.0** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | Updates as described in section 3. | |
| **CTS-5.6.1** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | Alignment of XSLT files according to the updates of specifications | |
| **CTP-v5.7.0** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | Alignment of scenarios according to the updates of specifications | |
| **CRP-v5.6.0** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | A new version of CRP will be published due to the updates of its components. | |
| **ACS-v5.5.0** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | Alignment of scenarios according to the updates of specifications | |
| **TRP-v5.7.3** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | Alignment of messages according to the updates of specifications. | |

**Estimated impact on National Project**

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|  | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | |  | |

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| **Document History** | | |  |
| **Version** | **Status** | **Date** | ***Comment*** |
| v0.10 | Draft by CUSTDEV | 11/11/2021 |  |
| v0.11 | Updates by CUSTDEV | 15/12/2021 | *Version Update* |
| V0.11\_withdrawn | Updates by CUSTDEV | 28/01/2022 | *RFC withdrawn* |