# Impact Analysis Report / RFC-Proposal

**Section 1: Meta-data**

|  |  |
| --- | --- |
| **RFC ID** | **RFC\_NCTS\_0127** (RTC-58700) |
| **Related Incident ID** | - |
| **RFC Initiator / Organization** | TAXUD/B3 |
| **CI** | **NCTS-P5 (DDNTA-v5.14.1 – CSE-v51.6.0)** |
| **Type of Change** | **Standard** **Emergency** |
| **Nature of Change** | Justification for Evolutive   |  | | --- | | **NCTS.P5: Structural changes for external domain messages due to Transitional Data Groups** | |
| **RFC Source** | |  |  | | --- | --- | | **Legal & Policy Change**  **Organisational Changes** | **Business Change**  **IT Change** | |
| **Review by Business User recommended?** | **Yes No** |

***Change Summary***

|  |
| --- |
| **NCTS.P5: Structural changes for external domain messages due to transitional Data Groups** |
| In the latest version of the CSE deliverable (NCTS-P5 DDNTA-v5.14.1 based on CSE-v51.6.0), for all External Domain messages (except for CC013C and CC015C), the To-Be message structure is presented with no Transitional Data Groups (which are used to facilitate the Transition from NCTS-P4 to NCTS-P5).  In order to ensure consistency with the CC013C and CC015C, the following updates shall be performed in all applicable External Domain messages (except for IE013 and IE015), in order to introduce the Transitional Data Groups which are currently missing.  More specifically, it is proposed to introduce the following Transitional Data Groups under the CONSINGMENT. HOUSE CONSINGMENT. CONSINGMENT ITEM level:   * CONSIGNEE in CC017C, CC029C, CC043C messages * TRANSPORT DOCUMENT in CC017C, CC029C, CC043C, CC044C messages * TRANSPORT CHARGES in CC017C, CC029C, CC043C messages   These Data Groups will be applied as Optional.  It shall be noted that after the end of transitional period, these Transitional Data Groups shall be removed via a new RFC. |

|  |
| --- |
| Please note that indeed in terms of RFC list 36 the following RFCs are related to the update of the Data Group TRANSPORT DOCUMENT, and for this reason shall be read together.  • RFC\_NCTS\_0125\_CUSTDEV3-IAR-RTC58385  • RFC\_NCTS\_0126\_CUSTDEV3-IAR-RTC57392  • RFC\_NCTS\_0127\_CUSTDEV3-IAR-RTC58700  • RFC\_NCTS\_0128\_CUSTDEV3-IAR-RTC55196 |

**Section 2: Problem statement**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| In the latest version of the CSE deliverable (NCTS-P5 DDNTA-v5.14.1 based on CSE-v51.6.0), the Transitional Data Groups <CONSIGNEE>, <TRANSPORT DOCUMENT> and <TRANSPORT CHARGES> are presented at CONSIGNMENT. HOUSE CONSIGNMENT. CONSIGNMENT ITEM level in the Common Domain messages and in the IE013 and IE015, in order to facilitate the conversion from NCTS-P4 to NCTS-P5. However, in the remaining applicable External Domain messages the Transitional Data Groups are missing from the <CONSIGNMENT-HOUSE CONSIGNMENT- CONSIGNMENT ITEM> level. As a result, this can cause an information inconsistency/loss during the movement lifecycle (e.g., during the transitional period, in case different Consignees are declared in CC015C at Consignment item level, this information is not communicated to the trader at destination in CC043C message).  More specifically:  The message structure of **CC015C** is the following:  …  …  ---CONSIGNMENT 1x R  ------CONSIGNOR 1x D C0542 G0123  ---------ADDRESS 1x D C0250  ---------CONTACT PERSON 1x O G0105  ------CONSIGNEE 1x D B1823 C0001 G0001  ---------ADDRESS 1x D C0250  ------ADDITIONAL SUPPLY CHAIN ACTOR 99x O G0825  …  ------SUPPORTING DOCUMENT 99x O E1301G0825  ------TRANSPORT DOCUMENT 99x O E1301 G0825  -----ADDITIONAL REFERENCE 99x O E1301 G0825  ------ADDITIONAL INFORMATION 99x O E1301 G0825  ------TRANSPORT CHARGES 1x D C0186  ------HOUSE CONSIGNMENT 999x R E1406  ---------CONSIGNOR 1x D C0542 E1301 G0123 R0506  ------------ADDRESS 1x D C0250  ------------CONTACT PERSON 1x O G0105  ---------CONSIGNEE 1x D C0001 E1301 G0001 R0506  ------------ADDRESS 1x D C0250  ---------ADDITIONAL SUPPLY CHAIN ACTOR 99x O G0825  …  ---------SUPPORTING DOCUMENT 99x O E1301 G0825  ---------TRANSPORT DOCUMENT 99x O E1301 G0825  ---------ADDITIONAL REFERENCE 99x O E1301 G0825  ---------TRANSPORT CHARGES 1x D C0186 C0337 E1301 R0506  ---------CONSIGNMENT ITEM 9999x R E1402  ------------CONSIGNEE 1x O B1820 B1877 B2400 G0001  ---------------ADDRESS 1x O B1821  ------------ADDITIONAL SUPPLY CHAIN ACTOR 99x O G0825  …  ------------SUPPORTING DOCUMENT 99x O E1407 G0068  ------------TRANSPORT DOCUMENT 99x O B1896 B2400 E1407  ------------ADDITIONAL REFERENCE 99x O E1407 G0825  ------------ADDITIONAL INFORMATION 99x O G0825  ------------TRANSPORT CHARGES 1x O B1875 B1877 B2400  Similar structure is applicable in **CC013C** message.  The following BRTs, TRTs and Guidelines are presented in the message structure of CC013C and CC015C in order to define the optionality of the transitional Data Groups <CONSIGNEE>, <TRANSPORT DOCUMENT> and <TRANSPORT CHARGES> at the Consignment Item level and verify the way these Data Groups shall be filled in. More specifically:  **on <CONSIGNMENT- HOUSE CONSIGNMENT- CONSIGNMENT ITEM-CONSIGNEE>**  **G0001:** is in place in order to define how the information regarding the Consignee shall be filled in throughout the declaration in case at least one <CONSIGNMENT-HOUSE CONSIGNMENT-ADDITIONAL INFORMATION.Code> is EQUAL to ’30600’. This Guideline will also be introduced in CC017C, CC029C and CC043C.  **B1820:** is in place to define the optionality of the Data Group during the Transitional Period.  **B1877:** is in place to replicate the functionality of R0507 during the Transitional Period and defines that in case the ‘C. HC. CI Consignee’ is present for all /\*/Consignment/HouseConsignment/ConsignmentItem, then at least one occurrence of /\*/Consignment/HouseConsignment/ConsignmentItem/Consignee must be different from the others.  **B2400:** disable the Data Groups post Transitional Period.  **B1821**: is assigned on <CONSIGNMENT-HOUSE CONSIGNMENT- CONSIGNMENT ITEM-CONSIGNEE. Name> and <CONSIGNMENT-HOUSE CONSIGNMENT- CONSIGNMENT ITEM-CONSIGNEE. ADDRESS> in order to define the optionality during the Transitional Period. More specifically, the optionality of the Data Elements is “O” (Optional).  **on <** **CONSIGNMENT-HOUSE CONSIGNMENT- CONSIGNMENT ITEM- TRANSPORT DOCUMENT >**  **B2400:** disable the Data Groups post Transitional Period.  **B1896:** defines the optionality of the Data Group During transitional period  **E1407:** is assigned on <CONSIGNMENT-HOUSE CONSIGNMENT- CONSIGNMENT ITEM- TRANSPORT DOCUMENT> in order to define that during the Transitional Period for each Goods Item, the cumulated number of all instances of  /\*/Consignment/HouseConsignment/ConsignmentItem/SupportingDocument AND  /\*/Consignment/HouseConsignment/ConsignmentItem/TransportDocument AND  /\*/Consignment/HouseConsignment/ConsignmentItem/AdditionalReference  shall be LESS OR EQUAL to 99x  **on <** **CONSIGNMENT-HOUSE CONSIGNMENT- CONSIGNMENT ITEM- TRANSPORT CHARGES >**  **B1877:** is in place to replicate the functionality of R0507 during the Transitional Period and defines that in case the ‘C. HC. CI Transport Charges’ is present for all /\*/Consignment/HouseConsignment/ConsignmentItem, then at least one occurrence of /\*/Consignment/HouseConsignment/ConsignmentItem/TransportCharges must be different from the others.  **B2400:** disable the Data Groups post Transitional Period.  **B1875:** is assigned on <CONSIGNMENT-HOUSE CONSIGNMENT-CONSIGNMENT ITEM-TRANSPORT CHARGES> to define the optionality of the Data Group during transitional period (by replacing C0186 C0337) in messages: CC013C and CC015C  Based on the current message structure of **CC017C, CC029C and CC043C,** the level where Data groups <CONSIGNEE>, <TRANSPORT DOCUMENT> and <TRANSPORT CHARGES> are applied are presented below:   |  |  |  | | --- | --- | --- | | CC017C- DEPARTURE CONTROL RESULTS | CC029C- RELEASE FOR TRANSIT | CC043C- UNLOADING PERMISSION | | ---CONSIGNMENT 1x D C0930 G0360 | **---CONSIGNMENT 1x R** | **---CONSIGNMENT 1x D C0027** | | ------CONSIGNEE 1x D C0001 G0001  G0042  ---------ADDRESS 1x D C0250 | **------CONSIGNEE 1x D C0001**  **G0001**  **---------ADDRESS 1x D C0250** | **------CONSIGNEE 1x D C0001**  **G0001**  **---------ADDRESS 1x D C0250** | | ------TRANSPORT DOCUMENT 99x O G0360 | **------TRANSPORT DOCUMENT 99x O G0825** | **------TRANSPORT DOCUMENT 99x O G0825** | | ------TRANSPORT CHARGES 1x D C0186  G0042 | **------TRANSPORT CHARGES 1x D C0186** |  | | ------HOUSE CONSIGNMENT 999x O G0360 | **------HOUSE CONSIGNMENT 999x R** | **------HOUSE CONSIGNMENT 999x R** | | ---------CONSIGNEE 1x D C0001  G0001  G0042  ------------ADDRESS 1x D C0250 | **---------CONSIGNEE 1x D C0001**  **G0001**  **------------ADDRESS 1x D C0250** | **---------CONSIGNEE 1x D C0001**  **G0001**  **------------ADDRESS 1x D C0250** | | ---------TRANSPORT DOCUMENT 99x O G0360 | **---------TRANSPORT DOCUMENT 99x O G0825** | **---------TRANSPORT DOCUMENT 99x O G0825** | | ---------TRANSPORT CHARGES 1x D C0186  C0337 | **---------TRANSPORT CHARGES 1x D C0186**  **C0337** |  | | ---------CONSIGNMENT ITEM 9999x O G0360 | **---------CONSIGNMENT ITEM 9999x R** | **---------CONSIGNMENT ITEM 9999x R** | | - | - | - | | - | - | - | | - | - | - |   In order to resolve the above-described inconsistency, it is proposed to apply the following structural additions under the CONSIGNMENT. HOUSE CONSIGNMENT. CONSIGNMENT ITEM level:   * Data Group <CONSIGNEE> in CC017C, CC029C, CC043C messages; * Data Group <TRANSPORT DOCUMENT> in CC017C, CC029C, CC043C, CC044C messages (Transport Document has been introduced in CC044C in terms of ***IAR-57392***of RFC list .36); * Data Group <TRANSPORT CHARGES> in CC017C, CC029C messages.   These Transitional Data Groups will be introduced as Optional - resolving the structural need to fill-in the information in all applicable External Domain Messages, until the completion of the movement- without violating the existing validation principles presented below:   * No BRT1/ TRT/ BRT2 will be applied in External Domain messages (different than IE013 and IE015); * Based on the ‘Introduction’ section of Appendix Q2, each NA is invited to apply their own transition rules on External Domain messages for these Data Groups, in order to re-assure that the additional transitional Data Groups will be filled in considering the validation of declaration and common domain messages. (e.g., in case Consignee is present at Master level, then consignee shall not be reported under Consignment item level).   It shall be noted that after the end of transitional period, these Transitional Data Groups shall be removed via a new RFC.  In addition, a new Guideline will be assigned to the newly introduced Transitional Data Groups (in Consignment Item level) of the abovementioned External Domain message, for clarity purposes, and in order to re-assure that the additional Transitional Data Groups will be filled in taking into account the validation of declaration/amendment message and Common Domain messages. Based on DDCOM-v20.3.0 SfA in section “IV.4-Numbering Convention for Rules & Conditions (R/C/T/TRT/BRT/S/G) for NCTS-P5 and AES-P1”, the proposed numbering for the new Guideline will be **G0989.** |

**Section 3: Description of proposed solution**

|  |
| --- |
| 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** – removal of ~~text with strikethrough~~ ):  A new Guideline (G0989) shall be introduced under the CONSIGNMENT. HOUSE CONSIGNMENT. CONSIGNMENT ITEM level in the following:   * Data Group <CONSIGNEE> in CC017C, CC029C, CC043C messages; * Data Group <CONSIGNEE.ADDRESS> in CC017C, CC029C, CC043C messages; * Data Group <TRANSPORT DOCUMENT> in CC017C, CC029C, CC043C, CC044C messages; and * Data Group <TRANSPORT CHARGES> in CC017C, CC029C messages.   The proposed wording for this new Guideline is the following:  **G0989**:  **Technical description:**  N/A  **Functional description:**  This Data Group is inserted as transitional but without any transitional measure applied to it. The Data Group is present in this message, in order to ensure consistency of the structure across the lifecycle of the movements during the Transitional Period.  This Guideline aims to draw the attention on the potential need for Technical Rules for Transition (Exxxx) or Business Rules for Transition (B1xxx and B2xxx) as defined in the section “1. Introduction” of DDNTA APPENDIX Q2.  Validated by Sender: ‘-’  Validated by Recipient: ‘-’  The message structure of **CC017C** will be updated as follows:  (…)  ---------CONSIGNMENT ITEM 9999x O G0360  ------------CONSIGNEE 1x O G0001 G0042 G0989  Identification number O an..17 R0851  Name O an..70  ---------------ADDRESS 1x O G0989  Street and number R an..70  Postcode O an..17  City R an..35  Country R a2 CL248  ------------ADDITIONAL SUPPLY CHAIN ACTOR 99x O G0042 G0825  (…)  ------------SUPPORTING DOCUMENT 99x O G0360  ------------TRANSPORT DOCUMENT 99x O G0989 G0360  Sequence number R n..5 R0054  Type R an4 CL754 G0057 G0360  Reference number R an..70 G0321 G0360  ------------ADDITIONAL REFERENCE 99x O G0360  -----------ADDITIONAL INFORMATION 99x O G0042 G0825  ------------TRANSPORT CHARGES 1x O G0989 G0042  Method of payment R a1 CL116  The message structure of **CC029C** will be updated as follows:  (…)  ---------CONSIGNMENT ITEM 9999x R  ------------CONSIGNEE 1x O G0001 G0989  Identification number O an..17 R0851  Name O an..70  ---------------ADDRESS 1x O G0989  Street and number R an..70  Postcode O an..17  City R an..35  Country R a2 CL248  ------------ADDITIONAL SUPPLY CHAIN ACTOR 99x O G0825  (…)  ------------SUPPORTING DOCUMENT 99x O G0825  ------------TRANSPORT DOCUMENT 99x O G0825 G0989  Sequence number R n..5 R0987  Type R an4 CL754 G0057  Reference number R an..70 G0321  ------------ADDITIONAL REFERENCE 99x O G0825  -----------ADDITIONAL INFORMATION 99x O G0825  ------------TRANSPORT CHARGES 1x O G0989  Method of payment R a1 CL116  The message structure of **CC043C** will be updated as follows:  (…)  ---------CONSIGNMENT ITEM 9999x R  ------------CONSIGNEE 1x O G0001 G0989  Identification number O an..17 R0851  Name O an..70  ---------------ADDRESS 1x O G0989  Street and number R an..70  Postcode O an..17  City R an..35  Country R a2 CL248  (…)  ------------SUPPORTING DOCUMENT 99x O G0825  ------------TRANSPORT DOCUMENT 99x O G0825 G0989  Sequence number R n..5 R0987  Type R an4 CL754 G0057  Reference number R an..70 G0321  ------------ADDITIONAL REFERENCE 99x O G0825  (…)  The message structure of **CC044C** will be updated as follows:  ---------CONSIGNMENT ITEM 9999x O G0360  (…)  ------------SUPPORTING DOCUMENT 99x O G0360  ------------TRANSPORT DOCUMENT 99x O G0360 G0989  Sequence number R n..5 R0054  Type R an4 CL754 G0057 G0360  Reference number R an..70 G0321 G0360  ------------ADDITIONAL REFERENCE 99x O G0360  **NCTS-Data Mapping- v0.43 file:** NCTS-Data Mapping- v0.43” file will be updated to depict the change regarding the messages CC029C, CC043C and CC044C described above.  ***Note:*** *The present proposed change needs to be considered together with the change proposed via* *IAR-57392 of RFC list .36 (where Transport Document has been introduced in CC044C).*  **IMPACT ASSESSMENT:**  This RFC-Proposal concerns changes at semantic and syntactic level in External Domain messages. More specifically, it concerns the introduction of Transitional Data Groups in External Domain messages CC017C, CC029C, CC043C, CC044C. Thus, the implementation of this part of the RFC shall be examined at national level by the MSAs. It is considered that the change proposed via the current RFC-Proposal has no impact on business continuity and can therefore be deployed in a **flexible way** approach.  **Movement initiated under the previous DDNTA (5.14.1) release which continues its flow under the new DDNTA (5.15.0) release (open movement):**  No issues will occur because the newly inserted data groups in the aforementioned external domain messages have optionality ‘O’.  **Impact in case of no Implementation**  In case of not implementing this change, errors will not occur because the newly inserted data groups have optionality ‘O’. In addition, the changes introduced affect solely the External Domain and consequently shall be examined at national level.  **Proposed** date of applicability in Operations (**T-Ops**):   As soon as possible, at latest 1.12.2023  **Proposed** date of applicability in CT (**T-CT**):                     July 2022  **Expected** date of approval by ECCG (**T-CAB**):                  January 2022  **Impact on transition**: Yes  **Risk of not implementing the change:** No  **Impacted messages:**   * External Domain Messages: CC017C, CC029C, CC043C, CC044C   Impacted CI Artefacts:   * **CSE-v51.6.0: Yes;** * **DDNTA-5.14.1-v1.00; (Appendix Q2\_R\_C, PDFs): Yes;** * **DDNTA-5.14.1-v1.00; (Main Document): Yes;** * **DMP Package-5.6.0 SfA-v1.00: Yes (incl. update of file Rules and Conditions\_v0.43): Yes;** * **CTP-5.7.0-v1.00: Yes;** * **ACS: 5.4.0-v1.00 & ACS-Annex-AES/NCTS: 5.5.0-v1.00: Yes;** * **TRP-5.7.5: Yes;** * CTS-5.6.1-v1.00: No; * Functional Specifications (FSS/BPM): No; * UCC IA/DA Annex B: No; * CRP-5.5.0-v1.00: No; * DDCOM 20.3.0-v1.00: No; * ieCA 1.0.2.1: 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**

|  |  |  |
| --- | --- | --- |
| **CSE-v51.6.0** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | **As described in section 3** | |
| **DDNTA-5.14.1-v1.00 (Appendices)** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | **Appendices generated by CSE + Appendix Q2, K** | |
| **DMP Package-v5.6.0** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | **NCTS- Data Mapping- v0.43 file on conversion resolution fields.** | |
| **TRP- 5.7.5** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | **Alignment of messages according to the updates of specifications.** | |
| **CRP v5.5-v1.00** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | **A new version of CRP will be published due to the updates of its components.** | |
| **ACS: 5.4.0-v1.00 & ACS-Annex-AES/NCTS: 5.5.0-v1.00** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | **Alignment of scenarios according to the updates of specifications.** | |

**Estimated impact on National Project**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Document History** | | |  |
| **Version** | **Status** | **Date** | ***Comment*** |
| v0.10 | Draft by CUSTDEV | 18/11/2021 | *Draft by CUSTDEV* |
| v0.20 | Updated by CUSTDEV | 01/12/2021 | *Updated by CUSTDEV* |
| v0.30 | Updated by CUSTDEV | 08/12/2021 | *Updated by CUSTDEV* |
| V0.31 | Updates by CUSTDEV | 15/12/2021 | *Version Update* |
| v1.00 | SfA to NPMs | 27/01/2022 | *Extra implementation details in green* |