# Impact Analysis Report / RFC-Proposal

**Section 1: Meta-data**

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| **RFC ID** | **RFC\_NCTS\_0131** (RTC-54867) |
| **Related Incident ID** | IM443710 |
| **RFC Initiator / Organization** | TAXUD/B3, CD3, NA-DE |
| **CI** | **NCTS-P5 (DDNTA-v5.14.1 – CSE-v51.6.0)** |
| **Type of Change** | **Standard** **Emergency** |
| **Nature of Change** | Justification for Evolutive   |  | | --- | | Mapping issue regarding the values CL013(830) > CL214(N830), Net Mass’ Optionality (ieCA PROD - Legacy exercise) | |
| **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): Optionality issue regarding the Data Item ‘Net Mass’ (ieCA PROD - Legacy exercise)** |

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| During the ieCA PROD - Legacy exercise, issue identified regarding the optionality of the Data Item ‘Net mass’ in case of Export Followed by transit (where the value <NCTS.P4 - PRODUCED DOCUMENTS/CERTIFICATES.Document type> = "830" (included in CL013-Document Type Common) is mapped with the value “N830” in NCTS.P5 in the Data Group “NCTS.P5. CONSIGNMENT.HOUSE CONSIGNMENT.CONSIGNMENT ITEM.PREVIOUS DOCUMENT”.)  In NCTS.P4 (e.g. message CD050B) the optionality of the Data Item ‘Net mass’ is Optional- ‘O’. On the other hand, during Transitional Period, based on B1805, the optionality of the Data Item /\*/Consignment/HouseConsignment/ConsignmentItem/Commodity/GoodsMeasure/netMass in case of Export Followed by Transit is Required- ‘R’.  According to IM443710, in CD050C message, in the 1st CONSIGNMENT ITEM the /\*/Consignment/HouseConsignment/ConsignmentItem/PreviousDocument/type is EQUAL TO ‘N830’ and the 17th character of /\*/Consignment/HouseConsignment/ConsignmentItem/PreviousDocument/referenceNumber is ‘A’ although the /\*/Consignment/HouseConsignment/ConsignmentItem/Commodity/GoodsMeasure/netMass is not provided and as a result, the conversion failed at the step of "Business validation during output validation" (rejected with CD906A) regarding the B1805. This issue has also impact in NCTS-P5, DDNTA-v5.14.1 - CSE-v51.6.0. As a result, the BRT-B1805 shall be updated accordingly in order to resolve the optionality issue.  Furthermore, due to the aforementioned change the following updates shall be performed:   * ~~New Guideline for Transition (BRT)-B1001, should be introduced~~ * B1827 shall me removed from the Data Group /\*/Consignment/HouseConsignment/ConsignmentItem/Commodity/GoodsMeasure |

**Section 2: Problem statement**

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| In the latest version of the CSE deliverable (NCTS-P5 DDNTA-v5.14.1 based on CSE-v51.6.0), the following issues was raised during the ieCA PROD - Legacy exercise.  Ιn NCTS.P4 the optionality of the Data Item ‘Net mass’ is Optional- ‘O’. … … ---GOODS ITEM Net mass O n..11,3 … …  On the other hand, during Transitional Period, based on B1805 (applicable to NCTS.P5), the optionality of the Data Item /\*/Consignment/HouseConsignment/ConsignmentItem/Commodity/GoodsMeasure/netMass in case of **Export Followed by Transit** is Required- ‘R’ (IF (there is (are) ‘Consignment Item(s)’ with one ‘Previous Document’ reporting an Export MRN) /\*/Consignment/HouseConsignment/ConsignmentItem/PreviousDocument/type is EQUAL TO  ‘N830’ AND the 17th character of  /\*/Consignment/HouseConsignment/ConsignmentItem/PreviousDocument/ referenceNumber is in SET  {A, B, E}). … … ---------------GOODS MEASURE Gross mass O n..16,6 B1860 B2101 E1109 R0021 R0221 Net mass D n..16,6 B1805 B1862 C0837 E1109 R0223 … …  The wording of **B1805** is the following (in NCTS-P5, DDNTA-v5.14.1 - CSE-v51.6.0.):    According to IM443710, in CD050C message, in the 1st CONSIGNMENT ITEM the /\*/Consignment/HouseConsignment/ConsignmentItem/PreviousDocument/type is EQUAL TO ‘N830’ and the 17th character of /\*/Consignment/HouseConsignment/ConsignmentItem/PreviousDocument/referenceNumber is ‘A’ although the /\*/Consignment/HouseConsignment/ConsignmentItem/Commodity/GoodsMeasure/netMass is not present and as a result, the conversion failed at the step of "Business validation during output validation" (rejected with CD906A) regarding the B1805.  As a result, the BRT-B1805 will be updated by removing the part that is related to “Export Followed by Transit”. This part is the following:  *" IF (there is (are) ‘Consignment Item(s)’ with one ‘Previous Document’ reporting an Export MRN) /\*/Consignment/HouseConsignment/ConsignmentItem/PreviousDocument/type is EQUAL TO ‘N830’ AND the 17th character of /\*/Consignment/HouseConsignment/ConsignmentItem/PreviousDocument/ referenceNumber is in SET {A, B, E} THEN (for that Consignment Item(s)) /\*/Consignment/HouseConsignment/ConsignmentItem/Commodity/GoodsMeasure/netMass = "R" ELSE"*  In Addition, in Common Domain messages, the BRT- B1805 will be validated **only by Sender**, and this change will be included in Appendix K.  Furthermore, due to the aforementioned change the following updates shall be performed:   * ~~New Guideline for Transition (BRT)-B1001, should be introduced~~ * B1827 shall me removed from the Data Group /\*/Consignment/HouseConsignment/ConsignmentItem/Commodity/GoodsMeasure   More specifically:   * **BRT-B1827** shall me removed from the Data Group /\*/Consignment/HouseConsignment/ConsignmentItem/Commodity/GoodsMeasure. The wording of B1827 is the following:      * Based on B2101 that is assigned on /\*/Consignment/HouseConsignment/ConsignmentItem/Commodity/GoodsMeasure, the optionality of the Data Group during the Transitional Period is Optional-‘O’. ~~Although, a new Guideline for Transition (BRT) will be introduced in the declaration messages where B1827 was applicable in order to define the necessity of the Data Group "GOODS MEASURE" in case of Export Followed by Transit during Transitional Period.~~   ~~The proposed numbering for the new Guideline for Transition (BRT), based on DDCOM-v20.3.0 SfR in section “IV.4-Numbering Convention for Rules & Conditions (R/C/T/TRT/BRT/S/G) for NCTS-P5 and AES-P1”, will be~~ **~~B1001~~**~~.~~  ~~Furthermore, the same Guideline for Transition (BRT) will be introduced in all messages where B1805 is applicable in order to define the necessity of "Net Mass" in case of Export Followed by Transit.~~ |

**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** – removal of ~~text with strikethrough~~ ):  **Updates regarding the BRT-B1805:**  BRT- B1805 will be updated by removing the following part:  *" IF (there is (are) ‘Consignment Item(s)’ with one ‘Previous Document’ reporting an Export MRN) /\*/Consignment/HouseConsignment/ConsignmentItem/PreviousDocument/type is EQUAL TO ‘N830’ AND the 17th character of /\*/Consignment/HouseConsignment/ConsignmentItem/PreviousDocument/ referenceNumber is in SET {A, B, E} THEN (for that Consignment Item(s)) /\*/Consignment/HouseConsignment/ConsignmentItem/Commodity/GoodsMeasure/netMass = "R" ELSE"*  The wording of **B1805** will be updated as follows:  **Technical Description:**  IF <Decisive Date> is LESS than or EQUAL to <TPendDate>  THEN C0837 will be disabled AND  ~~IF (there is (are) ‘Consignment Item(s)’ with one ‘Previous Document’ reporting an Export MRN)~~  ~~/\*/Consignment/HouseConsignment/ConsignmentItem/PreviousDocument/type is EQUAL TO~~  ~~‘N830’~~  ~~AND~~  ~~the 17th character of~~  ~~/\*/Consignment/HouseConsignment/ConsignmentItem/PreviousDocument/ referenceNumber is in SET~~  ~~{A, B, E}~~  ~~THEN (for that Consignment Item(s))~~  ~~/\*/Consignment/HouseConsignment/ConsignmentItem/Commodity/GoodsMeasure/netMass =~~  ~~"R"~~  ~~ELSE~~ IF /\*/ TransitOperation/reducedDatasetIndicator is EQUAL TO ‘1’  THEN  /\*/Consignment/HouseConsignment/ConsignmentItem/Commodity/GoodsMeasure/netMass = "N"  ELSE  /\*/Consignment/HouseConsignment/ConsignmentItem/Commodity/GoodsMeasure/netMass  = "O"  **Functional Description:**  N/A  **Updates in App. K regarding B1805:**  In Addition, in Common Domain messages, the BRT- B1805 will be validated only by the Sender. The validation by Recipient will be ‘N’ (Not allowed/applicable validation). This change will be included in Appendix K as follows:    **Changes regarding B1827:**  The BRT-B1827 shall me removed from /\*/Consignment/HouseConsignment/ConsignmentItem/Commodity/GoodsMeasure in messages CD001C, CD003C, CC013C, CC015C, CD038C, CD050C, CD115C, CD160C and CD165C.  **NCTS-Data Mapping- v0.43 file:** “NCTS-Data Mapping- v0.43” file will be updated to depict the change that is described above, regarding the messages CC013C, CC015C, CD001C, CD003C, CC013C, CC015C, CD038C, CD050C and CD115C.  Furthermore, the Resolution of Upgrade and Downgrade for the following Data Elements will be updated as follows:  **CONSIGNMENT.HOUSE CONSIGNMENT.CONSIGNMENT ITEM.COMMODITY.GOODS MEASURE:**  **Upgrade:**  No issue for Upgrade, since during Transitional period C0837 is disabled and the optionality of the DG applied on NCTS.P5 will be Optional due to B2101.  **Downgrade:**  No issue for Downgrade, since during Transitional period C0837 is disabled and optionality of the DG applied on NCTS.P5 will be Optional due to B2101.  **CONSIGNMENT.HOUSE CONSIGNMENT.CONSIGNMENT ITEM.COMMODITY.GOODS MEASURE.Net mass:**  **Upgrade:**  During Transitional Period:  a. technical rules will be applied to disable R0223.  b. technical rules will be applied to disable C0837 and change the data item optionality as following: IF /\*/ TransitOperation/reducedDatasetIndicator is EQUAL TO ‘1’ THEN /\*/Consignment/HouseConsignment/ConsignmentItem/Commodity/GoodsMeasure/netMass = "N" ELSE /\*/Consignment/HouseConsignment/ConsignmentItem/Commodity/GoodsMeasure/netMass = "O"  **Downgrade:**  During Transitional Period:  a. technical rules will be applied to disable R0223.  b. a technical rule will be applied to restrict format to an..11,3.  c. technical rules will be applied to disable C0837 and change the data item optionality as following: IF /\*/ TransitOperation/reducedDatasetIndicator is EQUAL TO ‘1’ THEN /\*/Consignment/HouseConsignment/ConsignmentItem/Commodity/GoodsMeasure/netMass = "N" ELSE /\*/Consignment/HouseConsignment/ConsignmentItem/Commodity/GoodsMeasure/netMass = "O"  **IMPACT ASSESSMENT:**  This RFC proposal concerns changes at sematic level in Common Domain messages.    It is considered that the change proposed via the current IAR 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 corrections regarding B1805 and the removal of B1827 in common domain messages.    *With respect to the updated B1805:*   * 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 a semantic error shall be caused during Transitional Period (IE906) due to the violation of B1805, in case there is a Consignment Item with one ‘Previous Document’ reporting an Export MRN (‘N830’) and with the 17th character of <ConsignmentItem/PreviousDocument/referenceNumber> in SET {A, B, E}. In this case, for the recipient the Data Item ‘Net Mass’ is mandatory, although for the sender the optionality of the aforementioned Data Item is Optional, meaning that there is a probability not to be present in the message structure. * 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 no semantic rejection shall be caused because for the receiver the Optionality of ‘Net Mass’ will always be Optional AND in addition based on the change in the Appendix K no validation will be performed by the Recipient regarding the BRT B1805.   *~~With respect to the updated B1001:~~*   * ~~There is no implementation impact, as it concerns the introduction of a new Guidelines for Transition. Thus, the implementation of this part of the RFC shall be examined at national level by the MSAs.~~   The implementation of the above described BRTS in the External Domain messages shall be examined at national level by the MSAs.    **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 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), because in DDNTA 5.15.0 the optionality of ‘Net Mass’ is always ‘Optional’.      **Changes at syntactic level**  N/A      **Impact in case of no Implementation**  In case of not implementing this change, rejections can possibly occur in common domain messages due to the validation failure of B1805.      **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**: Yes  **Risk of not implementing the change:** Yes      **Impacted Messages:**   * Common Domain Messages: CD001C, CD003C, CD038C, CD050C, CD115C, CD160C, CD165C * External Domain Messages: CC015C, CC013C     Impacted Rules, Conditions, BRTs & Guidelines:   * B1805 * B1827       Impacted CI Artefacts:   * **CSE-v51.6.0: Yes;** * **DDNTA-5.14.1-v1.00; (Appendix Q2\_R\_C, K, PDFs): Yes;** * **DMP Package-v5.6.0 SfA-v1.00: Yes(incl. update of file Rules and Conditions\_v0.43): Yes;** * **NCTS\_TRP-5.7.5: Yes;** * **NCTS\_CTP-5.7.0-v1.00: Yes;** * **ACS - v5.5.0 & ACS-Annex-NCTS: 5.5.0: Yes;** * CTS-5.6.1-v1.00: No; * CRP-v5.5-v1.00: No; * ieCA 1.0.1.0: No; * CS/MIS2\_DATA: No; * CS/RD2\_DATA: No; * UCC IA/DA Annex B: No; * Functional Specifications (FSS/BPM): No; * DDNTA-5.14.1-v1.00 (Main Document): No; * DDCOM v20.3.0-v1.00: No; * AES-P1 and NCTS-P5 Long-Lived “Legacy” (L3) Movements Study v1.40: No; |

**Impact on CI artefacts**

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| **CSE- v51.6.0** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | **As described in section 3** | |
| **DDNTA-v5.14.1 -v1.00 (Appendices)** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | **Appendices generated by CSE + Appendix Q2, Q2\_R\_C, K** | |
| **DMP Package- v5.6.0 SfA-v1.00** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | **Rules and Conditions\_v0.43 file to be updated** | |
| **TRP- 5.7.5** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | **Alignment of messages according to the updates of specifications.** | |
| **CTP-5.7.0-v1.00** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | **Alignment of scenarios according to the updates of specifications.** | |
| **CTS-5.6.1-v1.00** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | **Alignment of XSLT files 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 | 07/07/2021 | *Draft by CUSTDEV* |
| v0.20 | Updates by CUSTDEV | 09/11/2021 | *Draft by CUSTDEV* |
| v0.21 | Updates by CUSTDEV | 08/12/2021 | *Draft by CUSTDEV* |
| v0.22 | SfR to NPMs | 15/12/2021 | *Version Update* |
| v1.00 | SfA to NPMs | 25/02/2022 | *Updates in blue based on APO (Removal of the guideline B1001 that was proposed to be inserted in DDNTA-5.15.0 with the following wording: "During the Transitional Period, in case of “Export Followed by Transit” the Data Group “Goods Measure” and the Data Item "Net Mass" are mandatory.”)* |