# Impact Analysis Report / RFC-Proposal

**Section 1: Meta-data**

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| **RFC ID** | **RFC\_NCTS\_0128** (RTC-55196) |
| **Related Incident ID** | IM443714 |
| **RFC Initiator / Organization** | TAXUD/B3, CD3, ieCA PROD - Legacy exercise, NA-PL |
| **CI** | **NCTS-P5 (DDNTA-v5.14.1 – CSE-v51.6.0)** |
| **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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| **NCTS-P5 (DDNTA-v5.14.1 - CSE-v51.6.0): ieCA PROD - Legacy exercise - message IE001B- failure due to B1896** |
| In the context of ieCA Real Time Exercise, rejections in several messages regarding the BRT-B1896 were identified during the upgrade conversion. This issue impacts DDNTA-SFA v5.13.1 and DDNTA-v5.14.1 - CSE-v51.6.0.  The issue is regarding the mapping of value ‘N952’. Based on the current mapping of codelists CL013 and CL754, the value ‘952’ of CL013 is mapped with the value ‘N952’ of CL754 (TIR carnet)  The mapping regarding the value ‘952 / N952’-TIR is defined only for ‘Downgrade’.  During Transitional Period, in case of ‘Upgrade’, an XSLT function does the following:   * If 'P4. PRODUCED DOCUMENTS/CERTIFICATES.Document type' is '952’, then the content of Data Element 'P4. PRODUCED DOCUMENTS / CERTIFICATES.Document reference' is transferred to the ‘P5.TIR Carnet Number’.   In the rejected messages during the ieCA Real Time Exercise the two Condition C547 and C903 were not violated in NCTS.P4 messages. Therefore, the conclusion was the following:   * the messages were considered as valid in NCTS.P4 * the related information based on the mapping was transferred to ‘P5.TIR Carnet Number’ * instance of ‘Transport Document’ was not created in NCTS.P5 messages   Based on the BRT-B1896, after the Transitional Period, the Data Group ‘Transport Document’ in NCTS.P5 is Optional- ‘O’. Although, during the Transitional Period, the Data Group ‘Transport Document’ NCTS.P5 is Optional in all cases EXCEPT if  - security = 1 or 3 (includes ENS data) and  - referenceNumberUCR is not present (neither at CONSIGNMENT nor CONSIGNMNET ITEM levels). In this case the Data Group is ‘Required’.  As a result, the BRT-B1896 was violated in the upgrade, because the Data Group ‘Transport Document’ should be mandatory in this case although the instance of the Data Group was not created.  For this reason, the BRT will be updated to include the case where the <TRANSIT OPERATION.Declaration type> is TIR. |

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| 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\_0126\_CUSTDEV3-IAR-RTC57392 * RFC\_NCTS\_0127\_CUSTDEV3-IAR-RTC58700 * RFC\_NCTS\_0128\_CUSTDEV3-IAR-RTC55196 * RFC\_NCTS\_0152\_CUSTDEV3-IAR-RTC56793 |

**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 updates shall be performed:  In the context of ieCA Real Time Exercise, rejections in several messages regarding the BRT-B1896 were identified during the upgrade conversion. This issue impacts DDNTA-SFA v5.13.1 and DDNTA-v5.14.1 - CSE-v51.6.0.  The DDNTA-v5.13.1/v5.14.1 defines that CL754(TransportDocumentType) is assigned on the Data Item ‘TRANSPORT DOCUMENT.Type’ in NCTS-P5.  The DDNTA-v20.00 defines that the CL013 (DocumentTypeCommon) is assigned on the ‘PRODUCED DOCUMENTS/CERTIFICATES. Document type’ in NCTS-P4.  The Data Group “NCTS.P4-GOODS ITEM. PRODUCED DOCUMENTS/CERTIFICATES” is mapped with the following Data Groups according to the value of <GOODS ITEM-PRODUCED DOCUMENTS/CERTIFICATES.Document type> (include in CL013- Document Type Common):  •NCTS.P5-CONSIGNMENT.HOUSE CONSIGNMENT. CONSIGNMENT ITEM. PREVIOUS DOCUMENT  or  •NCTS.P5-CONSIGNMENT.HOUSE CONSIGNMENT. CONSIGNMENT ITEM. SUPPORTING DOCUMENT  or  •NCTS.P5-CONSIGNMENT.HOUSE CONSIGNMENT. CONSIGNMENT ITEM. TRANSPORT DOCUMENT  or  •NCTS.P5-CONSIGNMENT.HOUSE CONSIGNMENT. CONSIGNMENT ITEM. ADDITIONAL REFERENCE  **In case of downgrade:**  A function is already applied so in case that P5.TIR Carnet Number has value, THEN 'P4. PRODUCED DOCUMENTS/CERTIFICATES.Document type' = '952' and the content of P5.TIR Carnet Number data item will be transferred in 'P4. PRODUCED DOCUMENTS/CERTIFICATES.Document reference'.  **In case of upgrade:**  An XSLT function is in place in order to perform the following: If 'P4. PRODUCED DOCUMENTS/CERTIFICATES.Document type' = '952’, then the content of Data Element 'P4. PRODUCED DOCUMENTS / CERTIFICATES.Document reference' is transferred to the ‘P5.TIR Carnet Number’.  Although, a new instance of the Data Group ‘Transport Document’ is not created in NCTS.P5.  The issue is regarding the mapping of value ‘N952’. Based on the current mapping of codelists CL013 and CL754, the value ‘952’ of CL013(DocumentTypeCommon) is mapped with the value ‘N952’(TIR carnet) CL754(TransportDocumentType).  Moreover, it shall be noted that value ‘N952’ is currently valid in CL754 and in CL214. In terms of the RFC list.36, value ‘N952’will be removed from CL754. The code ‘N952’ will be part of CL214, only.  Furthermore, in NCTS.P4 the following conditions are present:  **C547:**    **C903:**    In the rejected messages during the ieCA Real Time Exercise the two Condition C547 and C903 were not violated in NCTS.P4 messages. Therefore, the conclusion is the following:   * The messages were considered as valid in NCTS.P4 * The related information based on the mapping was transferred to ‘P5.TIR Carnet Number’ * A new instance of ‘Transport Document’ was not created in NCTS.P5 messages   The wording of **B1896** in DDNTA-v5.13.1/v5.14.1 is the following:    Furthermore, the message structure regarding the Data Group ‘Transport Document’ in NCTS.P5 is the following:  **Part of CD001C message:**  …  …  ---------CONSIGNMENT ITEM 9999x R E1402  ------------TRANSPORT DOCUMENT 99x O B1896 B2400 E1407  …  …  Based on the aforementioned message structure and the wording of the BRT-B1896, after the Transitional Period, the Data Group ‘Transport Document’ in NCTS.P5 is Optional- ‘O’. Although, during the Transitional Period, the Data Group ‘Transport Document’ NCTS.P5 is Optional in all cases EXCEPT if  - security = 1 or 3 (includes ENS data) and  - referenceNumberUCR is not present (neither at CONSIGNMENT nor CONSIGNMNET ITEM levels). In this case the Data Group is Required.  As a result, the **BRT-B1896** was violated in the upgrade, because the Data Group ‘Transport Document’ should be mandatory in this case although the instance of the Data Group was not created.  Taking into consideration the aforementioned analysis, the following updates shall be performed in terms of this RFC:   * For NCTS.P5, the value “N952” will be invalidated from CL754(TransportDocumentType) and will be included only in CL214-PreviousDocumentType * BRT-B1896 will be updated to include the case where the <TRANSIT OPERATION.Declaration type> is TIR. |

**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~~ ):   1. The wording of **B1896** will be updated as follows:   **Technical Description:**  IF <Decisive Date> is LESS than or EQUAL to <TPendDate> ~~AND~~ THEN  IF /\*/TransitOperation/security is in SET {1, 3}  THEN  IF /\*/Consignment/referenceNumberUCR is NOT PRESENT AND  /\*/Consignment/HouseConsignment/ConsignmentItem/referenceNumberUCR is NOT PRESENT AND /\*/TransitOperation/declarationType is NOT EQUAL to ‘TIR’  THEN /\*/Consignment/HouseConsignment/ConsignmentItem[1]/TransportDocument = ''R''  ELSE /\*/Consignment/HouseConsignment/ConsignmentItem/TransportDocument = ''O''  **Functional Description:**  N/A  Note: B1896 is also updated in terms of RFC: RFC\_NCTS\_0152\_CUSTDEV3-IAR-RTC56793.  In both RFCs the final wording of B1896 is presented.  **NCTS-Data Mapping- v0.43 file:** ~~No impact.~~ Resolution of updated and Resolution for downgrade will be updated for the Data Group CONSIGNMENT.HOUSE CONSIGNMENT.CONSIGNMENT ITEM.TRANSPORT DOCUMENT in messages IE001, IE003, IE013, IE015, IE038, IE050, IE0115.   1. Updates in CS/RD2  * Value “N952” will be invalidated from CL754(TransportDocumentType) * Value “N952” will be included only in CL214(PreviousDocumentType)   **IMPACT ASSESSMENT:**  This RFC-Proposal concerns changes at semantic level in Common Domain messages.    It is considered that the change proposed via the 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 update of B1896 in Common Domain messages in order to define the optionality of Transport Document data group (In Consignment Item level) during the Transitional Period.    *With respect to the update of B1896:*   * 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 semantic rejection may be caused, because in case UCR reference number is not present and declaration type is TIR, then the value is considered as ‘R’ in the recipient. * If the sender is not aligned with the proposed changes (DDNTA 5.14.1), then a semantic error will not be caused because the sender in case UCR reference number is not present, will consider the Transport Document as ‘R’, and the recipient whether the declaration type is ‘TIR’ or not, will consider it as either ‘O’ or ‘R’.       **Movement initiated under the previous DDNTA (5.14.1) release which continues its flow under the new DDNTA (5.15.0) release (open movement):**  Issues are not expected, because the sender in case UCR reference number is not present, will consider the Transport Document as ‘R’, and the recipient whether the declaration type is ‘TIR’ or not, will consider it as either ‘O’ or ‘R’.  **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 if UCR is not present, and the declaration type is TIR since the Transport Document data group (In Consignment Item level) is set to ‘R’ instead of ‘O’. This 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**: Yes  **Risk of not implementing the change:** Yes  Impacted Rules, Conditions & BRTs:   * B1896   Impacted Messages:   * Common Domain: CD001C, CD003C, CD050C, CD038C, CD115C, CD165C, CD160C * External Domain: CC013C, CC015C   Impacted CI Artefacts:   * **CSE-v51.6.0: Yes;** * **DDNTA-v5.14.1(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;** * **CTP-5.7.0-v1.00: Yes;** * **ACS: 5.5.0 & ACS-Annex-NCTS: 5.5.0: Yes;** * **TRP-5.7.5: Yes;** * **CS/RD2\_DATA: Yes;** * DDNTA-5.14.1-v1.00 (Main Document): No; * Functional Specifications (FSS/BPM): No; * UCC IA/DA Annex B: No; * CTS-5.6.1-v1.00: No; * CRP-v5.5-v1.00: No; * DDCOM v20.3.0-v1.00: No; * ieCA 1.0.1.0: No; * CS/MIS2\_DATA: 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**  **(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   |  | | --- | | **Impact in Drools due to changes in messages BRT- B1896** | |
| **CTP-5.7.0-v1.00** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | **Alignment of scenarios according to the updates of specifications.** | |
| **CSRD2\_DATA** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | **Updates regarding the Codelists:**   * Value “N952” will be invalidated from CL754(TransportDocumentType) * Value “N952” will be included only in CL214(PreviousDocumentType) | |

**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 | 27/10/2021 | *Draft by CUSTDEV* |
| v0.11 | Updates by CUSTDEV | 15/12/2021 | *Version Update* |
| v1.00 | SfA to NPMs | 25/02/2022 | *Updates in blue based on APO* |