# Impact Analysis Report/ RFC-Proposal

**Section 1: Meta-data**

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| **RFC ID** | **RFC\_NCTS\_0162** (RTC-54345) |
| **Related Incident ID** | IM443677 & IM444681 |
| **RFC Initiator / Organization** | ITSM TES (ieCA Real Time Exercise) |
| **CI** | **NCTS - P5 (DDNTA-v05.14.0-v1.00 – CSE-v51.60)** |
| **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-5.14.0-v1.00 CSE-v51.60): Update of the wording of B1894 and B1806 to relax the transition in case the mode of transport at the border is ‘Rail’.** |
| During the ieCA Real Time Exercise (i.e. UPGRADE), the wording of B1894 was responsible for some message rejections (when the ‘Mode of transport at the border’ was ‘Rail’).  B1894, assigned on DG “CONSIGNMENT.ACTIVE BORDER TRANSPORT MEANS” disables the C0908 during the Transitional Period.  The upgrade NCTS.P4 🡪 NCTS.P5 is the following:   * Identity of means of transport crossing border ( with C011) 🡪 ACTIVE BORDER TRANSPORT MEANS. Identification number * Nationality of means of transport crossing border (with C010) 🡪 ACTIVE BORDER TRANSPORT MEANS. Nationality * Conveyance reference number (with C531) 🡪 ACTIVE BORDER TRANSPORT MEANS. Conveyance reference number   B1894defines that in case the /\*/Consignment/modeOfTransportAtTheBorder is ‘2’ (Rail), the Data Group /\*/Consignment/ActiveBorderTransportMeans is Required.  But in NCTS-P4, the Data Items “Nationality of means of transport crossing border” (C010) and “Identity of means of transport crossing border” (C011) can be not presented and lead to the violation of B1894.  This happens because:   * Based on C010, the "Nationality crossing border" (box 21) is "Optional" when the "Transport mode at border" is "2" (Rail). * Due to C011, the ' Specific Circumstance Indicator’ is “Optional” when the Security is ‘0’ and the ‘Identity of means of transport crossing border’ is also ‘Optional’.   B1894 is applied on CD. B1806 is similar to B1894 and is applicable to CC013C and CC015C.  This RFC-Proposal also defines updates on DMP and CTS artefacts. |

**Section 2: Problem Statement**

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| In the latest version of the DDNTA-v05.14.1 (based on CSE-v51.60) the Data Group “CONSIGNMENT. ACTIVE BORDER TRANSPORT MEANS” has the following structure:      With **B1894** defined as follows:    In NCTS-P4 DDNTA-v20.00, the messages CD001B, CD050B etc. are presented with the following structure:    With **C010** defined as follows:    And with **C010** defined as follows:    The value ‘D’ of CL096 (SpecificCircumstanceIndicator) mans “Rail mode of Transport”. This information is duplicate and not mapped directly to any value of NCTS-P5 CL296 (SpecificCircumstanceIndicatorCode).  According to **C186**, the ‘Specific Circumstance Indicator’ in NCTS-P4 is not used, if the Data Item Security= ‘0’. The wording of **C186** is the following:    Some Data Items included in the Data Group <ACTIVE BORDER TRANSPORT MEANS> are mapped with Data Items in NCTS-P4 as follows:   |  |  | | --- | --- | | NCTS.P4 | NCTS.P5 | | Identity of means of transport crossing border  D an..27 C011 | Identification number  O an..35 B1811 B1838 B2101 E1103 R0076 | | Nationality of means of transport crossing border  D a2 CL008 C010  R036 | Nationality  O a2 CL165 B1850 B2101 | | Conveyance reference number.  D an..35 C531 | Conveyance reference number  D an..35 B2200 C0531 G0002 R0315 |   Based on the current wording of B1894, in case the /\*/Consignment/modeOfTransportAtTheBorder is ‘2’ (Rail), the Data Group /\*/Consignment/ActiveBorderTransportMeans is **Required**.  But,   * Based on C010, the "Nationality crossing border" (box 21) is "Optional" when the "Transport mode at border" is "2" (Rail). * Due to C011, the ' Specific Circumstance Indicator’ is “Optional” when the Security is ‘0’ and the ‘Identity of means of transport crossing border’ is also ‘Optional’.   As a result, the wording of **B1894** should be updated, in case of Rail as ‘Mode of transport at the border’ in order to avoid rejections during the Transitional Period.  In addition, **B1806** should also be updated, it is similar to B1894 but used in the External Domain messages (CC013C & CC015C).  The current wording of **B1806** is the following:    In the **NCTS Data Mapping file (DMP Package-5.6.0-SfA-v1.00)**, the Downgrade conversion resolution for:   * **CONSIGNMENT.Mode of transport at the border** * **CONSIGNMENT.Inland mode of transport**   should be corrected in case the mode of transport is ’Rail’.  In addition, in the following Data Elements, the conversion resolution should be updated in case the “CONSIGNMENT.Inland mode of transport”=’2’:   * **TRANSIT OPERATION.Specific circumstance indicator** * **TRANSIT OPERATION. CONSIGNMENT.DEPARTURE TRANSPORT MEANS.Type of identification** * **CONSIGNMENT.DEPARTURE TRANSPORT MEANS.Identification number** * **CONSIGNMENT.ACTIVE BORDER TRANSPORT MEANS.Identification number**   Finally, the note included in “DDNTA\_APP\_C-v05·14.1-(RD\_FullMapping\_P4-P5)”- column V related to the value ‘D’ of CL096 (SpecificCircumstanceIndicator) should be update accordingly. |

**Section 3: Description of proposed solution**

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| The **DDNTA-v05.14 (based on CSE-v51.60)** shall be corrected as follows (addition of **text highlighted in yellow**, removal of ~~text with strikethrough~~):  1.  **B1894** will be updated as follows:  **Technical Description**  IF <Decisive Date> is LESS than or EQUAL to <TPendDate>  THEN C0908 will be disabled AND  IF /\*/Consignment/modeOfTransportAtTheBorder is PRESENT  THEN  IF /\*/Consignment/modeOfTransportAtTheBorder is EQUAL to '5' or '2'  THEN /\*/Consignment/ActiveBorderTransportMeans = “O”  ELSE /\*/Consignment/ActiveBorderTransportMeans = “R”  ELSE /\*/Consignment/ActiveBorderTransportMeans = “O”  **Functional Description**  N/A  2.  **B1806** will be updated as follows:  **Technical Description**  IF <Decisive Date> is LESS than or EQUAL to <TPendDate>  THEN C0806 will be disabled AND  IF /\*/Consignment/modeOfTransportAtTheBorder is PRESENT  THEN  IF /\*/Consignment/modeOfTransportAtTheBorder is EQUAL to '5' or '2'  THEN /\*/Consignment/ActiveBorderTransportMeans = “O”  ELSE /\*/Consignment/ActiveBorderTransportMeans = “R”  ELSE /\*/Consignment/ActiveBorderTransportMeans = “O”  **Functional Description**  N/A  **DMP (NCTS Data Mapping file)**  The **NCTS Data Mapping file (DMP Package-5.6.0 SfA-v1.00)** shall be adapted accordingly.  1/ The conversion resolution for the Data Item **“CONSIGNMENT.Mode of transport at the border”** should be enhanced with the below statement.  The updates will be performed in the conversion resolution of messages CC015C, CD001C, CD003C, CD012C, CD038C, CD050C, CD115C.  **Resolution for Upgrade:**  The Resolution of Upgrade will remain as is.  **Resolution for Downgrade:**  During Transitional Period, a XSLT function will be used so:   * If NCTS-P5\_‘CONSIGNMENT.Mode of transport at the border’ is present AND = '2' (Rail Transport) and Security is different from ‘0’ AND ‘Active border transport means’ is PRESENT   then   * NCTS-P4\_‘HEADER.Specific Circumstance Indicator’ is set to 'D' (Rail mode of transport) and * the NCTS-P4\_‘HEADER.Identity of means of transport crossing border’ can be filled in with the data from NCTS-P5 (The C011 makes the D.I. required). * If NCTS-P5\_‘CONSIGNMENT.Mode of transport at the border’ is present AND = '2' (Rail Transport) and Security is equal to ‘0’   then   * NCTS-P4\_‘HEADER.Specific Circumstance Indicator’ is NOT set to 'D' (Rail mode of transport) and * the NCTS-P4\_‘HEADER.Identity of means of transport crossing border’ can be filled in if available in NCTS-P5 or can remain empty (based on C011 that makes the D.I. optional).   In case Security = “0” then the NCTS-P5\_‘CONSIGNMENT.Mode of transport at the border’ is inserted in  P4\_’Transport mode at border’ if available.  In case Security is different from “0” then the NCTS-P5\_‘CONSIGNMENT.Mode of transport at the border’ must be inserted in P4\_’Transport mode at border’.  2/ The conversion resolution for the Data Item **“CONSIGNMENT.Inland mode of transport”** remains unchanged for the CC015C and adapted for the Common Domain messages CD001C, CD003C, CD012C, CD038C, CD050C, CD115C:  **Resolution for Upgrade:**  The Resolution of Upgrade remains immediate.  **Resolution for Downgrade:**  The Data Item is re-used in CC015B.  Loss of information during the downgrade of Common Domain messages.  The existing XSLT function is removed from the CTS package. ~~During Transitional Period, a XSLT function will be used so:  in case of <NCTS.P5-CONSIGNMENT.Inland mode of transport> is EQUAL to '2' (Rail Transport) THEN <NCTS.P4 HEADER.Specific Circumstance Indicator> is EQUAL to 'D' (Rail mode of transport). in case of <NCTS.P5-CONSIGNMENT.Inland mode of transport> is NOT EQUAL to '2' (Rail Transport) THEN Loss of information is acceptable.~~  3/ The conversion resolution for the Data Item **“TRANSIT OPERATION.Specific circumstance indicator”** should be updated for the downgrade as follows:  **Resolution for Upgrade:**  The Resolution of Upgrade will remain as is.  **Resolution for Downgrade:**  No issue for Downgrade. During Transitional Period,  1. NCTS-P5 value 'A20' remains mapped with NCTS-P4 value 'A'. 2. If NCTS-P5\_‘Consignment. ~~Inland mode of transport~~ Mode of transport at the border’ = '2' and security is different from ‘0’ AND ‘Active border transport means’ is PRESENT then value ‘D’ is assigned on NCTS-P4\_‘HEADER.Specific circumstance indicator’.  Furthermore, in the file “*DDNTA\_APP\_C-5·14·1-(RD\_FullMapping\_P4-P5)\_(2022-05-01)-v1·18.xlsx*” (from RDP-NCTS\_TP#02(2022M01)), the below statement in column V should be updated as follows:  “Converter to insert P5 data from the ~~Inland~~ ~~mode of Transport~~ Mode of transport at the border into P4 Specific circumstance indicator. P4 info not needed when Converter upgrades.”    **IMPACT ASSESSMENT:**  The correction of B1894 and B1806 should be applied as urgently as possible, to avoid the kind of rejections observed during the ieCA Real Time Exercice.    **Proposed** date of applicability in Operations (**T-Ops**):   01.12.2022 (or when starting NCTS-P5 operations)  **Proposed** date of applicability in CT (**T-CT**):                     July 2022  **Expected** date of approval by ECCG (**T-CAB**):                  February 2022  **Impact on transition**:  Yes (ieCA/CRP to be corrected)  **Risk of not implementing the change:** Significant rejections could be observed on the Common Domain and on the External Domain.    **Impacted BRTs:**   * B1894 and B1806   **Impacted CIs:**   * **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;** * **TRP-5.7.5: Yes;** * **DMP Package-5.6.0 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;** * **ACS: 5.4.0-v1.00 & ACS-Annex-AES/NCTS: 5.5.0-v1.00: Yes;** * 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**

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| **DDNTA-5.14.1-v1.00 (Appendices)** | Cosmetic  Low  Medium  High  Very High   |  | | --- | | Update of: Appendix Q2. | |
| **CSE-v51.60** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | Updates as described in section 3. | |
| **NCTS\_TRP-5.8.1-v1.01** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | Alignment of messages according to the updates of specifications. | |
| **DMP-v5.6.0** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | Update of 'NCTS-Data Mapping-v0.43.xls' file on conversion resolution fields. Rules and Conditions\_v0.43 file to be updated. | |
| **CTP-5.8.0-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   |  | | --- | | XLSTs updates due to section 3. | |

**Estimated impact on National Project**

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|  | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | Exact impact to be assessed by each NA. | |

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| **Document History** | | |  |
| **Version** | **Status** | **Date** | ***Comment*** |
| v0.10 | Draft by CUSTDEV | 04/08/2021 |  |
| v.011 | Updates by CUSTDEV | 15/12/2021 | *Version Update* |
| v1.00 | SfA to NPMs | 02/07/2022 | *Implementing APO on comment from NA-DE.* |