# Impact Analysis Report / RFC-Proposal

**Section 1: Meta-data**

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| **RFC ID** | **RFC\_NCTS-P6\_0294** (UCCNCTSP6-213) |
| **Related Incident ID** | - |
| **RFC Initiator / Organization** | **DG TAXUD IT** |
| **CI** | **NCTS-P5 (DDNTA-6.3.0-v1.00 – CSE-v60.4.4)** |
| **Type of Change** | **Standard  Emergency** |
| **Nature of Change** | Justification for Evolutive   |  | | --- | | DDNTA Appendices, and CSE needed modifications due to the change of the suffix from ‘D’ to ‘C’ in NCTS-P6 **Common Domain** messages. | |
| **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-P6 (DDNTA-6.3.0-v1.00 - CSE-v60.4.4): Necessary updates on Common Domain messages (non-declaration) to support the change of suffix from ‘D’ to ‘C’.** |
| Documenting the required (minor) modifications to the NCTS-P5 Common Domain ‘non-declaration’ messages (with suffix ‘C’) to join NCTS-P6. Moreover, it also documents how the DDNTA 6.3.0-v1.00 is impacted by the change of suffix from ‘D’ to ‘C’. It covers all the Common Domain messages, except the messages related to the declaration (i.e. not the IE001 and similar). See other related RFC-Proposals for the other messages. |

**Section 2: Problem statement**

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| Based on the experience with the migration from NCTS-P4 to NCTS-P5, DG TAXUD has highlighted key risks and challenges for the migration to NCTS-P6. Therefore, to facilitate the transition from NCTS-P5 to NCTS-P6, most of the NCTS-P6 messages should continue to use the suffix ‘C’. This Request for Change (RFC) documents the modifications on the following Common Domain messages: IE018, IE024, IE059, IE063, IE094, IE095, IE142, IE143, IE144, IE145, IE150, IE151, IE152, IE200C, IE201, IE203, IE204, IE205, and IE209. It offers traceability to the NCTS-P5 National Administrations, between DDNTA-5.15.2-v2.00 (used in operations before and after the TPendDate) and DDNTA-6.4.0 (under development for NCTS-P6).  Please refer to the **RFC\_NCTS-P6\_0295** for further information regarding the justification of changes. |

**Section 3: Description of proposed solution**

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| In this Section, addition of **text is highlighted in yellow** and removal of ~~text with strikethrough~~.  In summary, regarding the suffix change of the ‘non-declaration’ Common Domain messages:   1. **CD070C, CD071C, CD078C, CD971C, CD974C** and **CD975C** (i.e. CS/MIS2 related messages) will have the suffix ‘C’ in NCTS P6; 2. **CD119D (**new message introduced in NCTS-P6)will have the suffix ‘D’ in NCTS-P6; 3. **CD411D, CD903D** (i.e. CS/MIS2 related messages) will have the suffix ‘D’ in NCTS-P6; 4. **CD917C** for the Common Domain message exchanges between National Transit Applications (NTAs), will have the suffix ‘C’ in NCTS-P6; 5. **CD917D** for the Common Domain message exchanges between the National Transit Application (NTA) and ieCA/TED, will have the suffix ‘D’ in NCTS-P6; 6. **CD906C** for the Common Domain message exchanges between National Transit Applications (NTAs), will have the suffix ‘C’ in NCTS-P6; 7. **CD906D** for the Common Domain message exchanges between the National Transit Application (NTA) and ieCA/TED, will have the suffix ‘D’ in NCTS-P6; 8. **CD002D, CD006D, CD010D, CD024D, CD027D, CD049D, CD059D, CD063D, CD094D, CD095D, CD114D, CD118D, CD144D, CD145D, CD164D, CD168D, CD180D and CD181D, CD200D, CD201D, CD203D, CD204D, CD205D and CD209D** will have their suffix changed to ‘C’ in NCTS-P6 (no other changes are needed than the suffix change); 9. **CD018D, CD142D, CD143D, CD150D, CD151D, CD152D,** will have their suffix changed to ‘C’ in NCTS-P6 with a few minor adjustments.   From the above list of messages, the change (or no change) is only related to the suffix (bullets a-h above) **with no further changes**. For the remaining messages (bullet i), the small adjustments of the NCTS-P5 messages (with suffix ‘C’) are described below to reach the appropriate structure for NCTS-P6.  **NOTE: For the below analysis, DDNTA 5.15.2-v3.00 from NCTS-P5 and DDNTA 6.3.0-v1.00 from NCTS-P6 are used as the baseline.**   1. **Changes in NCTS-P5 ‘C’ messages (DDNTA-5.15.2-v3.00) to make their structure appropriate for NCTS-P6 (new DDNTA-6.4.0)**   Considering that all NCTS-P6 NAs (**Opt-in and Opt-out**) will use Common Domain messages with suffix ‘C’ (instead of ‘D’), an NCTS-P5 NA can **re-use the existing XSDs** from the DDNTA-5.15.2-v3.00 to be considered ‘NCTS-P6 ready’ (in terms of Common Domain messages). For this purpose, the steps, outlined below, should be considered **by all NCTS-P5 NAs** for implementation for the ‘non-declaration’ Common Domain messages.  The following “cleaning" actions should be applied in a flexible way (best before 01.09.2025) on messages CD018D, CD142D, CD143D, CD150D, CD151D, CD152D:  ***NOTE: The final structure of those messages can be found in the Excel file embedded at the end of this paragraph A, in which all proposed changes are outlined.***   1. **Removing TRTs (Exxxx) applicable to the NCTS-P4/NCTS-P5 from the message structure of the NCTS-P5 messages**   TRTs (Exxxx) are only applicable during the transition period of P4/P5. These transitional rules are not needed for NCTS-P6 and thus they must be removed without the need applying further changes to the XSDs.  An example message (CD018C) follows where the TRTs (Exxxx) are removed:  **Extract from CD018C:**  **------HOUSE CONSIGNMENT**  **Sequence number R n..5 R0054**  **Gross mass O n..16,6 G0021**  **G0360**  **Reference number UCR O an..70 E1301**  **G0002**  **G0360**    *NOTE: In light of the fact that BRT-1s (B1xxx) continue to apply for open movements following the end of the P4/P5 transitional period, the BRT-1s (B1xxx) pertaining to the CD018C, CD063C, CD094C, CD142C, CD143C, CD150C, CD151C and CD152C messages should remain in place as they can be exchanged for open movements after the end of the P4/P5 transition period. Since TRTs (Exxxx) are not applicable to NCTS-P6, they can be removed from these messages. For the sake of consistency, the BRT-02s (B2xxx) pertaining to the CD018C, CD063C, CD094C, CD143C, CD150C, CD151C and CD152C messages should also be kept (along with their BRT-1s) without applying any structural updates in the optionality/format (XSD changes).*  The Excel file, attached below, depicts the changes in the structure of the messages: CD018D, CD142D, CD143D, CD150D, CD151D, CD152D, that should be performed by an NCTS-P5 NA to successfully migrate to NCTS-P6 for the ‘non-declaration’ Common Domain messages. The excel file contains:   * A tab per message with the highlighted changes proposed to be implemented by the NCTS-P5 NA before migrating to NCTS-P6; * A tab per message with the final version of the message structure.      1. **Changes in NCTS-P6 ‘D’ messages (DDNTA-6.3.0-v1.00) to make their structure appropriate for NCTS-P6 (new DDNTA-6.4.0)**   The **DDNTA-6.3.0-v1.00** and **CSE-v60.4.4** should be updated as follows (addition of **text highlighted in yellow** – removal of ~~text with strikethrough~~):  *IMPORTANT NOTE: The modifications are documenting how a NTA aligned to DDNTA 6.3.0 should be modified to become aligned to the DDNTA 6.4.0, even though the NTA.P6 are not yet developed.*  The following messages: *CD002D, CD006D, CD010D, CD018D, CD024D, CD027D, CD049D, CD059D, CD063D, CD094D, CD095D, CD114D, CD118D, CD142D, CD143D, CD144D, CD145D, CD150D, CD151D, CD152D, CD164D, CD168D, CD180D, CD181D, CD200D, CD201D, CD203D, CD204D, CD205D, CD209D* should have:   1. their suffix changed from ‘D’ to ‘C’, 2. their NCTS-P5/NCTS-P6 BRT-1s removed from the message structure (applies only to the CD095D message). 3. **Changing the suffix from ‘D’ to ‘C’**  * **Appendix A** should be updated to change the suffix from CDXXX~~D~~ to CDXXX**C** for CD002D, CD006D, CD010D, CD018D, CD024D, CD027D, CD049D, CD059D, CD063D, CD094D, CD095D, CD114D, CD118D, CD142D, CD143D, CD144D, CD145D, CD150D, CD151D, CD152D, CD164D, CD168D, CD180D, CD181D, CD200D, CD201D, CD203D, CD204D, CD205D, CD209D, as follows:  |  |  |  |  | | --- | --- | --- | --- | | **IE Number** | **NCTS-P6 IE Version** | **NCTS-P6 IE Name** | **NCTS-P6 IE Reference** | | IE002 | ~~CD002D~~**CD002C** | ANTICIPATED ARRIVAL RECORD  REQUEST | (C\_AAR\_REQ) | | IE006 | ~~CD006D~~**CD006C** | ARRIVAL ADVICE | (C\_ARR\_ADV) | | IE010 | ~~CD010D~~**CD010C** | INVALIDATION NOTIFICATION | (C\_INV\_NOT) | | IE018 | ~~CD018D~~**CD018C** | DESTINATION CONTROL RESULTS | (C\_DES\_CON) | | IE024 | ~~CD024D~~**CD024C** | FORWARDED ARRIVAL ADVICE | (C\_FWD\_ARR) | | IE027 | ~~CD027D~~**CD027C** | MOVEMENT QUERY | (C\_MVT\_QUE) | | IE049 | ~~CD049D~~**CD049C** | DISCREPANCIES SOLVED NOTIFICATION (C\_DIS\_NOT) | DISCREPANCIES SOLVED NOTIFICATION (C\_DIS\_NOT) | | IE059 | ~~CD059D~~**CD059C** | CANCEL ENQUIRY NOTIFICATION | (C\_CAN\_ENQ) | | IE063 | ~~CD063D~~**CD063C** | RECOVERY COMMUNICATION | (C\_REC\_COM) | | IE094 | ~~CD094D~~**CD094C** | STATUS REQUEST | (C\_STD\_REQ) | | IE095 | ~~CD095D~~**CD095C** | STATUS RESPONSE | (C\_STD\_ RSP) | | IE114 | ~~CD114D~~**CD114C** | ANTICIPATED TRANSIT RECORD  REQUEST | (C\_ATR\_REQ) | | IE118 | ~~CD118D~~**CD118C** | NOTIFICATION CROSSING FRONTIER | (C\_NCF\_NOT) | | IE142 | ~~CD142D~~**CD142C** | ENQUIRY REQUEST | (C\_ENQ\_REQ) | | IE143 | ~~CD143D~~**CD143C** | ENQUIRY RESPONSE | (C\_ENQ\_NEG) | | IE144 | ~~CD144D~~**CD144C** | ENQUIRY INFORMATION | (C\_ENQ\_INF) | | IE145 | ~~CD145D~~**CD145C** | ENQUIRY INFORMATION REQUEST | (C\_INF\_REQ) | | IE150 | ~~CD150D~~**CD150C** | RECOVERY REQUEST | (C\_REC\_REQ) | | IE151 | ~~CD151D~~**CD151C** | RECOVERY ACCEPTANCE  NOTIFICATION | (C\_REC\_ACC) | | IE152 | ~~CD152D~~**CD152C** | RECOVERY DISPATCH NOTIFICATION | (C\_REC\_DIS) | | IE164 | ~~CD164D~~**CD164C** | ANTICIPATED EXIT FOR TRANSIT  RECORD REQUEST | (C\_AXR\_REQ) | | IE168 | ~~CD168D~~**CD168C** | NOTIFICATION LEAVING SECURITY  AREA | (C\_LSA\_NOT) | | IE181 | ~~CD181D~~**CD181C** | FORWARDED INCIDENT NOTIFICATION  TO CD | (C\_INC\_FWD) | | IE200 | ~~CD200D~~**CD200C** | GUARANTEE CHECK | (C\_GUA\_CHESS) | | IE201 | ~~CD201D~~**CD201C** | GUARANTEE CHECK RESULT | (C\_GUA\_RES) | | IE203 | ~~CD203D~~**CD203C** | GUARANTEE USE | (C\_GUA\_USE) | | IE204 | ~~CD204D~~**CD204C** | GUARANTEE USE CANCELLATION | (C\_GUA\_CAN) | | IE205 | ~~CD205D~~**CD205C** | GUARANTEE USE RESULT | (C\_GUA\_USR) | | IE209 | ~~CD209D~~**CD209C** | CREDIT REFERENCE AMOUNT | (C\_GUA\_CRE) |  * **Appendix Q2** should be updated as follows:   Change the suffix of CD002D, CD006D, CD010D, CD018D, CD024D, CD027D, CD049D, CD059D, CD063D, CD094D, CD095D, CD114D, CD118D, CD142D, CD143D, CD144D, CD145D, CD150D, CD151D, CD152D, CD164D, CD168D, CD180D, CD181D, CD200D, CD201D, CD203D, CD204D, CD205D, CD209D from CDXXX~~D~~ to CDXXX**C:**    Similarly for the other Common Domain messages presented above.   1. **Removing NCTS-P5/NCTS-P6 BRT-1 (B1940) from the message structure of the CD095D**   The B1940 is the only BRT1 applied on the messages listed above It will be removed from the message CD095D (and will not be present at all in DDNTA-6.4.0) as follows:  **Extract from CD095D:**  ---TRANSIT OPERATION  MRN R an18 G0002  R0028  Status R an3 CL258 ~~B1940~~  R0019  (…)  **~~B1940:~~**  **~~Technical Description:~~**  ~~IF <Decisive Date> is LESS than or EQUAL to <TPendDateP5P6>~~  ~~THEN the state values for the Office of Transit “Arrival accepted at OoTra”  AND “Under control” shall not be used under /CD095D/TransitOperation/status~~  ~~AND value “ATR created” should be used instead.~~  **~~Functional Description:~~**  ~~N/A~~  The below embedded MS-Excel file summarises the structure of the ‘CD095D’ message.       1. **Replacing CL180 with CL437 in CD906D**   Since **CD906D** will be used to reject messages **between Opt-in NAs and ieCA/TED**, the values of CL723 used by ICS2 must be also used by NCTS-P6. Currently, CL180 is attached to D.I. ‘Error code’ in CD906D. The same Code list is also attached to the respective D.I. in CD906C (used by both Opt-in and Opt-out NAs) and does not contain ICS2-related values.  In order not to impact the Opt-out NAs, **CL180** will be replaced by **CL437** in CD906D.   * CL437 is also used in CD056D and contain values related to both NCTS-P6 and ICS2.   **Extract from CD906D:**  ---FUNCTIONAL ERROR  Error pointer R an..512 G0009  Error code R n2 ~~CL180~~**CL437**  Error reason R an..7 G0010  Original attribute value O an..512  **Appendix K**  For all the above changes the Appendix K shall be updated due to the removal of BRTs, thus the relevant paths (and messages) shall be removed.  **DMP Impact**  Since the CD messages will have suffix 'C', no conversion is needed, thus DMP package will focus on the conversion between NCTS-P6 and ICS2-CR. **The DMP file with NCTS-P5/NCTS-P6 mapping is obsolete and will not be maintained. Please refer to the RFC\_NCTS-P6\_0290 for more details.**  **CTS Impact**  Since no conversion is needed, the NCTS-P6 CTS package is obsolete and will not be maintained.  **IMPACT ASSESSMENT:**  This RFC proposal concerns changes in Common Domain messages (‘non-declaration’) applicable for the **Opt-In** and **Opt-Out** NAs. It is proposed to be implemented before the start of the NCTS-P6 operations (T-Ops) so that the NAs will be able to join NCTS-P6.  **Proposed** date of applicability in Operations (**T-Ops**):  Before the country effectively starts its NCTS-P6 operations (at earliest 01.03.2025, at latest 01.09.2025)  **Proposed** date of applicability in CT (**T-CT**):                     Start of CT campaign (provisionally on 01.12.2024)  **Expected** date of approval by ECCG (**T-CAB**):                  Together with DDNTA-6.4.0  **Risk in case of non-implementation:**  Message rejections, blocked movements and business continuity issues will occur in case of not implementing the proposed change.  **Impacted messages:**   * CD002C, CD006C, CD010C, CD018C, CD024C, CD027C, CD049C, CD059C, CD063C, CD094C, CD095C, CD114C, CD118C, CD142C, CD143C, CD144C, CD145C, CD150C, CD151C, CD152C, CD164C, CD168C, CD180C, CD181C, CD119C, CD200C, CD201C, CD203C, CD204C, CD205C, CD209C; * CD002D, CD006D, CD010D, CD018D, CD024D, CD027D, CD049D, CD059D, CD063D, CD094D, CD095D, CD114D, CD118D, CD142D, CD143D, CD144D, CD145D, CD150D, CD151D, CD152D, CD164D, CD168D, CD180D, CD181D, CD119D, CD200D, CD201D, CD203D, CD204D, CD205D, CD209D.   **Impacted Rules, Conditions & BRTs etc.:**   * See section 3   **Impacted CI Artefacts:**   * DDNTA-6.3.0-v1.00 (Main Document): No. * Functional Specifications NCTS-P6 (FSS/BPM): 7.10.0: No. * **CSE-v60.4.4: Yes.** * **DDNTA-6.3.0-v1.00 (Appendices ‘A’, ‘K’, ‘D’, ‘Q2’, ‘P’, ‘X’):** **Yes.** * NCTS-P6 DMP-6.3.0-v1.00 Package: No. * CTP-6.2.0-v1.00:No. * **TRP-6.2.0-v1.01: Yes.** * DDCOM-21-3.0-v1.00: No. * ieCA/TED 2.0.0.0: No. * ICS2-CR-CTS-1.1.0-v1.01: No. * ICS2-CR-CRP-1.1.0-v1.00: No. * CS/MIS2\_DATA: No. * CS/RD2\_DATA: No. * UCC IA/DA Annex B: No. |

**Impact on CI artefacts**

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| **DDNTA-6.3.0-v1.00**  **(Appendices A, K, D, Q2, X)** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | **DDNTA Appendices ‘A’, ‘K’, ‘D’, ‘Q2’, ‘P’, ‘X’ should be updated as described in section 3.** | |
| **CSE-v60.0.4** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | **Common Domain Messages (non-declaration) should be updated as described in section 3.** | |
| **TRP-6.2.0-v1.01** | Cosmetic  Low  Medium  High  Very High  Short description   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | **Update TC (Partially Passed or Failed if NA not aligned):** | **Yes** | **All Test Cases that contain Common Domain non-declaration messages i.e IE018, IE024 etc. will be updated to support the suffix change from D to C.** | | **Deleted Test Cases:** | **None** |  | | **New Test Cases:** | **None** |  | | **Updated Drools:** | **Yes** | **Updated R/Cs that have the aforementioned messages with suffix D will be updated to suffix C.** | | **Other:** | **None** |  | | |

**Estimated impact on National Project**

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| None Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | Positive impact, reducing the effort to develop the NTA.P6 applications. | |

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| **Document History** | | | |
| **Version** | **Status** | **Date** | ***Comment*** |
| v0.10 | Draft by SOFTDEV | 03/04/2024 | *Draft by SOFTDEV* |
| v0.11 | Draft by SOFTDEV | 25/04/2024 | *Draft by SOFTDEV* |
| v0.12 | Commented draft | 18/06/2024 | *Comment by DG TAXUD IT (tds) with TC.* |
| v0.20 | SfR to DG TAXUD | 26/06/2024 | *Version implementing DG TAXUD’s comments* |
| v1.00 | SfA to DG TAXUD | 15/07/2024 | *Final Version implementing DG TAXUD’s comments* |
| v1.01 | SfA-NPM\_IMPL | 18/12/2024 | *Watermark and Document history (status) updated for info \_ Part of RFC-List.42 \_ Included in DDNTA-6.4.0-v2.00.* |