# Impact Analysis Report / RFC-Proposal

**Section 1: Meta-data**

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| **RFC ID** | **RFC\_NCTS\_0190** (JIRA:UCCNCTS-2478) |
| **Related Incident ID** | **IM522500 / PM24829 / KE22775** |
| **RFC Initiator / Organization** | **NA-LU** |
| **CI** | **NCTS-P5 (DDNTA-5.15.0-v1.00 – CSE-v51.8.0)**  **NCTS-P6 (DDNTA-6.2.0-v1.00 – CSE-v60.4.0)** |
| **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-5.15.0-v1.00 Appendix X stypes.xsd file): ‘CommunicationLanguageAtDestination’ based on 'LanguageCodeType' having pattern extended to lower-case letters.** |
| In the file **stypes.xsd**, the simple type 'LanguageCodeType' allows only upper-case letters. The correction will allow also the use of lower-case letters, as defined in CS/D2 for the CL192 (the ISO 639-1:2002 defines codes with lower case). |

**Section 2: Problem statement**

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| NA-LU reported an inconsistency between the pattern used in codelist CL192 (LanguageByCustoms) and the pattern defined in the file **stypes.xsd** for the xml type ‘**CommunicationLanguageAtDepartureContentType**’ (based on '**LanguageCodeType**'), included in Appendix X of DDNTA-5.15.0-v1.00 (CSE-v51.8.0)).  The '**LanguageCodeType**' is used in ‘**CommunicationLanguageAtDepartureContentType**’ and relevant for the Data Items ‘**Communication language at departure**’ and ‘**Communication language at destination**’.  The CL192 contains lowercase values (see below the extract from CS/RD2 PROD):    The pattern attached to’ CommunicationLanguageAtDepartureContentType’ through 'LanguageCodeType' base, accepts only 2 upper case characters causing invalidation errors when lower case characters are used in the message e.g. CC015C.      Hence, the 'LanguageCodeType' pattern should be updated to allow both lower- and upper-case characters and to avoid unnecessary invalidation issues.  If the pattern of LanguageCodeType is extended, then the restriction and pattern of ‘CommunicationLanguageAtDestination’ should be defined like for ‘CommunicationLanguageAtDeparture’, to ensure consistency in the file **stypes.xsd**. |

**Section 3: Description of proposed solution**

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| The file **stypes.xsd** of **DDNTA-5.15.0-v1.00 Appendix X** shall be updated as follows (addition of **text highlighted in yellow** – removal of ~~text with strikethrough~~ ):  <!--=======================================================================-->  <!--===== LanguageCodeType -->  <!--=====================================================================-->  <xs:simpleType name="LanguageCodeType">  <xs:annotation>  <xs:documentation>Language Code (format: a2) </xs:documentation>  </xs:annotation>  <xs:restriction base="AlphaType">  <xs:length value="2"/>  ~~<xs:pattern value="[A-Z]{2}"/>~~  <xs:pattern value="[A-Za-z]{2}" />  </xs:restriction>  </xs:simpleType>  <!--======================================================================-->  <!--===== CommunicationLanguageAtDestination -->  <!--=====================================================================-->  <xs:simpleType name="CommunicationLanguageAtDestinationContentType">  <xs:annotation>  <xs:documentation>  <usedBy>Used by 1/117 messages: CC007D</usedBy>  </xs:documentation>  </xs:annotation>  ~~<xs:restriction base="xs:token">~~  ~~<xs:pattern value="[A-Za-z]{2}" />~~  <xs:restriction base="LanguageCodeType" />  </xs:restriction>  </xs:simpleType>  **IMPACT ASSESSMENT:**  This change affects ONLY the External Domain (messages CC007C, CC015C, CC013C, CC029C).    **Risk in case of non-implementation:**  If not implemented, invalidation (based on codelist validation) can occur for messages CC007C, CC015C, CC013C and CC029C.  **NCTS-P5**  **Proposed** date of applicability in Operations (**T-Ops**):   Before the NTA (P5) is opened to External Domain  **Proposed** date of applicability in CT (**T-CT**):                     Not applicable  **Expected** date of approval by ECCG (**T-CAB**):                  21.12.2022    **Impacted Messages:**   * CC007C, CC013C, CC015C, CC029C     **Impacted CI Artefacts:**   * **CSE-v51.8.0: Yes.** * **DDNTA-5.15.0-v1.00 (Appendix X): Yes.** * Functional Specifications NCTS-P5 (FSS/BPM): 5.30.2: No. * DDCOM-20.4.0-v1.00: No. * DDNTA-5.15.0-v1.00 (Main Document): No. * DMP Package-v5.7.0-v1.00: No. * CTS-5.7.1-v1.00: No. * ACS Main Document: v5.8.0-v1.00 & ACS Annex for NCTS: 5.8.0-v1.00: No. * CTP-5.10.0-v1.00: No. * TRP-5.11.1: No. * CRP-5.7.4-v1.00: No. * ieCA 1.0.4.1: No. * AES-P1 and NCTS-P5 Long-Lived “Legacy” (L3) Movements Study v1.50-v1.00: No. * CS/MIS2\_DATA: No. * CS/RD2\_DATA: No. * UCC IA/DA Annex B: No.   **NCTS-P6:**   * **CSE-v6**0**.4.0: Yes.** * **DDNTA-6.2.0-v1.00 (Appendix X): Yes.** (partially implemented) * DDNTA-6.2.0-v1.00 (Main Document): No. * DDCOM-21-3.0-v1.00: No. * Functional Specifications NCTS-P6 (FSS/BPM): 7.10.0: No. |

**Impact on CI artefacts**

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| **CSE-v51.8.0 & CSE-v60.4.0** | Cosmetic  Very Low  Medium  High  Very High  Short description   |  | | --- | | **See section 3. Only few characters added in two types.** | |
| **DDNTA-5.15.0-v1.00**  **(Appendices)**  **& DDNTA-6.2.0-v1.00**  **(Appendices)** | Cosmetic  Very Low  Medium  High  Very High  Short description   |  | | --- | | **See section 3. Only few characters to be added in one file of Appendix X. (generated from SpecsManager).** | |
| **TRP-5.11.1 (and related version of CTP-Explorer) (CONF only)** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | The TRP package shall be updated with the corrected XSD file in Appendix X (not blocking for the conformance testing with CTA). | |

**Estimated impact on National Project**

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| Cosmetic  Very Low  Medium  High  Very High  Short description   |  | | --- | | Low impact. Changing pattern attached to data item. | |

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| **Document History** | | | |
| **Version** | **Status** | **Date** | ***Comment*** |
| v0.10 | Draft by SOFTDEV | 05/10/2022 | *Draft by SOFTDEV* |
| v0.20 | Updates by SOFTDEV | 09/11/2022 | *Implementing Comments by DG TAXUD* |
| v0.30 | Updates by SOFTDEV | 22/11/2022 | *PM&KE num have been added* |
| v0.31 | Draft commented | 08/12/2022 | *Various corrections applied* |
| v1.00 | SfR to NPMs | 13/12/2022 | *For emergency review by NPMs* |
| v1.00a | SfR2 to NPMs | 20/12/2022 | *Correction of the CRP version.*  *CRP-5.7.2-v1.00 > CRP-5.7.4-v1.00* |
| v1.10 | SfA to NPM | 08/01/2023 | ***Considered as accepted following CAB on 21.12.2022.  No change applied compared to v1.00a.*** |