# Impact Analysis Report / RFC-Proposal

**Section 1: Meta-data**

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| **RFC ID** | **RFC\_NCTS\_0224** (JIRA: UCCNCTS-4308) |
| **Related Incident ID** | **N/A** |
| **RFC Initiator / Organization** | **DG TAXUD IT** |
| **CI** | **NCTS-P5 (DDNTA-5.15.1-v1.00 – CSE-v51.8.2)** |
| **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-5.15.1-v1.00 - CSE-v51.8.2): the guideline G0021 is added in the D.I. ‘Gross Mass’ under ‘House Consignment’ level, for messages CD018C and CC044C. The XSD is updated accordingly, to accept the value ‘0’ (zero).** |
| In message CD018C & CC044C, the D.I. ‘Gross Mass’ can have the value ‘0’ (zero) at ‘Consignment’ and ‘House Consignment Item’ levels, but not at ‘House Consignment’ level. To eliminate this inconsistency, the Guideline G0021 will be attached at ‘Gross Mass’, allowing the value ‘0’ (zero) to be valid in this data item. The applicable XSD pattern will be updated accordingly to be aligned with this change. |

**Section 2: Problem statement**

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| In the **NCTS-P5 DDNTA-v5.15.1-v1.00** (based on CSE-v51.8.2), the guideline G0021 is attached to the 'Gross Mass' Data Item at the 'CONSIGNMENT' level and 'HOUSE CONSIGNMENT ITEM' level for messages CD018C and CC044C, but not at the 'HOUSE CONSIGNMENT' level, even though both Data Items share the same implementation during the control at the Office of Destination. For instance, the officer is obliged to report a zero 'Gross Mass' when either the 'CONSIGNMENT' or the 'HOUSE CONSIGNMENT' is empty."  Extract of CD018C      Guideline G0021 is applied to the 'Gross Mass' at the 'CONSIGNMENT' level to clarify that the value ‘0’ (zero) is considered as a valid number, as defined byy the DDCOM-Main Document-20.4.1-v1.00 requirements as defined in section V.2.1.1.1:  “By default, only the strictly positive values are valid and the numeric value ‘0’ (zero) is not considered as positive integer (idem for ‘0.0’ or 0.000 or similar, not a positive decimal value).  If the value ‘0’ (zero) can be (exceptionally) included in a numerical Data Item, then these exceptions are highlighted by a guideline in Appendix Q2.”    In conclusion, G0021 should also be added to the 'Gross Mass' at the 'HOUSE CONSIGNMENT' level, and the XSD pattern should be adapted accordingly. |

**Section 3: Description of proposed solution**

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| In **DDNTA-5.15.1-v1.0.0 (incl. Appendix Q2)** and the **CSE-v51.8.2**, the following updates should be performed (addition of **text highlighted in yellow** – removal of ~~text with strikethrough~~):  CD018C & CC044C messages will be updated as follows:  (…)  ------HOUSE CONSIGNMENT  Sequence number R n..5 R0054  Gross mass O n..16,6 **G0021**  G0360  (…)  Moreover, in Appendix X (**stypes.xsd** and **ctypes.xsd**) the XSD types of  /IE018/Consignment/HouseConsignment/grossMass & /IE044/Consignment/HouseConsignment/grossMass  will be changed to **DecimalWithZero\_16\_6**.  **Extract from stypes.xsd**  (…)  <xs:complexType name=”HouseConsignmentType13”>  <xs:annotation>  <xs:documentation>  <usedBy>Used by 1/91 messages: CD018C</usedBy>  </xs:documentation>  </xs:annotation>  <xs:sequence>  <xs:element name=”sequenceNumber” type=”SequenceNumberContentType”>  <xs:annotation>  <xs:documentation>  <description value=”Sequence number” />  <format value=”n..5” />  <optionality value=”R” />  </xs:documentation>  </xs:annotation>  </xs:element>  <xs:element name=”grossMass” minOccurs=”0” type=”GrossMassContentType01”>  <xs:annotation>  <xs:documentation>  <description value=”Gross mass” />  <format value=”n..16,6” />  <optionality value=”O” />  <xsdBaseType value=”**DecimalWithZero\_16\_6**~~DecimalWithoutZero\_16\_6~~” />  </xs:documentation>  </xs:annotation>  (…)  **IMPACT ASSESSMENT:**  This RFC-Proposal presents a very low risk of business continuity during the Transitional Period. Indeed, during TP, there is only one HC and the /IE018/Consignment/**HouseConsignment**/grossMass is **optional**.  If the gross mass of the single HC is equal to ‘0’ (zero), it shall be recommended to report that the /IE018/**Consignment**/grossMass is equal to ‘0’ (zero).  This RFC must be implemented **at the latest** on TPendDate, and **ideally on TPendDate or close to TPendDate, to avoid some possible few exceptional rejections on the Common Domain**.  **Proposed** date of applicability in Operations (T-Ops): **TPendDate**, as defined in CS/RD2-CL990.  **Proposed** date of applicability in CT (T-CT): 2024Q2 (precise date to be confirmed)  **Expected** date of approval by NPMs (T-CAB): Together with DDNTA-5.15.2.  **Risk in case of non-implementation**:   * In case of not implementing this change, some exceptional rejections will be observed when the mass of one or multiple HC is equal to ‘0’ (zero).   **Impacted Messages:**   * Common Domain: CD018C, CC044C   **Impacted Rules/Conditions, BRTs:**   * G0021     **Impacted CI Artefacts:**   * **CSE-v51.8.2: Yes.** * **DDNTA-5.15.1-v1.00 (only Appendices Q2, Appendix Q2\_R\_C, K, X): Yes.** * Functional Specifications NCTS-P5 (FSS/BPM): 5.30.2: No. * DDCOM-20.4.0-v1.00: No. * DDNTA-5.15.1-v1.00 (Main Document): No. * DMP Package-v5.8.0-v1.00: No. * CTS-5.8.4-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-5.13.5-v1.01: No. * CRP-5.8.3 (DROOLS): 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: Yes**   * **CSE-v60.4.1: Yes.** * **DDNTA-6.2.0-v1.00 (only Appendix Q2 &** **Appendix Q2\_R\_C, K, X): Yes.** * DDNTA-6.2.0-v1.01 (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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| **DDNTA-5.15.1-v1.00 (Appendices) & DDNTA-6.2.0-v1.00 (Appendices)** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | **See section 3. The Appendix Q2 (PDF) is generated by SpecsManager.** | |
| **CSE-v51.8.2 & CSE-v60.4.1** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | **G0021 will be introduced in messages CD018C & CC044C as described in section 3.** | |

**Estimated impact on National Project**

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| Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | To be assessed by each NA. | |

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| **Document History** | | | |
| **Version** | **Status** | **Date** | ***Comment*** |
| v0.10 | Draft by SOFTDEV | 14/11/2023 | *Draft by SOFTDEV* |
| v0.20 | Updates by SOFTDEV | 15/11/2023 | *G0021 will also be attached at IE044/Consignment/HouseConsignment/grossMass* |
| v0.21 | Commented by TAXUD | 21/11/2023 | *With TC.* |
| v1.00 | SfA version | 24/11/2023 | *Final version implemented in DDNTA-5.15.2-v2.00* |