# Impact Analysis Report / RFC-Proposal

**Section 1: Meta-data**

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| **RFC ID** | **RFC\_DDCOM\_0021** (RTC-58775) |
| **Related Incident ID** | IM473569 |
| **RFC Initiator / Organization** | NA-FI & DG TAXUD/B3 |
| **CI** | DDCOM-20.3.0-v1.00 |
| **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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| **DDCOM-20.3.0-v1.00: No CorrelId for CD411D, CD071C, CD971C** |
| DDCOM defines how to fill in the CorrelID. This specification must be corrected. It appears that for some messages (e.g. CD411D), the CorrelId must remain empty (no MRN used, no rejection, no request) in the new systems.  A |

**Section 2: Problem statement**

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| In DDCOM 20.3.0-v1.00, two points are related to the correlation of messages:   1. There is a need to correct the section ***VII.7.5 Correlation Identifier*** where there is a confusion between ‘*response* message’ vs. ‘*request* message’. 2. The section “**VIII.2.1 The message descriptor**”, specifies how the **CorrelId** is defined in the new systems (AES-P1 and NCTS-P5), based on three categories. However, there should be a fourth category: the DDNxA messages without header, i.e. the messages that do not include an MRN inside their payload (those sent to/from CS/MIS2).   The list of messages without header are kept in **CL385 - MessageTypeWithoutHeader** (in CS/RD2) and includes the following entries: CD411D, CD070C, CD071C, CD971C.  It should be clarified that the **CorrelId of CSIMQMD** of the above messages must be kept empty, since no MRN is considered related to their content. |

**Section 3: Description of proposed solution**

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| The following updates will be performed into the **DDCOM-20.3.0-v1.00** (~~deleted text strikethrough and red colour~~ and added text in yellow).   1. Correlation Identifier in the XML message:   **VII.7.5 Correlation Identifier**  ~~In case of Functional error (e.g. CD906C), XML error (e.g. CD917C) and response message (e.g. CD503C), the “Message identification” of the response request or rejected message must be filled in the “Correlation identifier” data item of the XML header of the control or response message, to facilitate the correlation of messages at business level. Furthermore, the “Correlation identifier” data item of the XML header shall not be filled in the messages without “Header” (CL385).~~  ~~The correlation of messages at network level for use by external application (e.g. CS/MIS) is performed at CCN/CSI envelope and it is described in VIII.2.1.~~  “The content of the correlation identifier will be filled in as depicted in the following cases:  1. In case of message rejections, the “Correlation identifier” data item of the XML header must be filled in with “Message identification” of the rejected message, for the messages CD906C and CD917C;  2. In case of response message responding to a request message, the “Correlation identifier” data item of the XML header must be filled in with the “Message identification” of the corresponding request message (e.g. “Message identification” of CD502C is present in the “Correlation identifier” of the CD503C).  For point 1 and 2, the list of response/rejection messages is maintained in CS/RD2 in CL610;  3. The “Correlation identifier” shall not be filled in for the messages included in CL385 (these messages are without “Header” and are neither a response nor a rejection);  4. The “Correlation identifier” is optional for all the other messages not covered by the points 1, 2 or 3.  The purpose of “Correlation identifier” is to facilitate the correlation of messages at business level. The correlation of messages at network level for use by external application (e.g. CS/MIS2) is performed at CCN/CSI envelope and it is described in section VIII.2.1.”     1. CorrelId in the CCN envelope:   **VIII.2.1 The message descriptor**  (…)    Extract from the updated Table 57: MQ Message Descriptor  8. (…)  In order to support MRN nursing, the following conventions regarding CorrelId in CCN/CSI message are defined:   * For legacy systems (ECS-P2, NCTS-P4 and ICS-P1) the CorrelId should be filled in as follows:   1. For the CD906A, CD906B, CD907A and CD917B the message ID (MSGID) of the corresponding erroneous message should be filled in and this will enable the correlation of an error message to the erroneous message;   2. For all other messages (or for all messages if the point 1 above is not implemented by the NA for the rejections), the CorrelId must equal to the MRN (in an ASCII format). * For new systems (AES-P1 and NCTS-P5) the CorrelId is defined as follows:   1. the *CorrelId* must be filled in with *Message ID* (MSGID) of the rejected message, for the messages CD906C and CD917C (i.e. in case of message rejections);   2. the *CorrelId* must be filled in with the *Message ID* (MSGID) of the corresponding request message, i.e. for the *response message* responding to a *request message*. The list of messages with Correlation ID is maintained in CS/RD2 in CL610;   3. the CorrelId shall not be filled in for the messages included in CL385 (these messages do not include an MRN inside their payload and are neither a response nor a *rejection*);   ~~3.~~ 4. the *CorrelId* must be filled in with the *MRN* (in an ASCII format), for all the other messages not covered by the points 1, 2 or 3.  (…)  **IMPACT ASSESSMENT**  **No impact on External Domain.**  This RFC-Proposal is considered as an ***almost*** ***documentary* change**, as the content of the CorrelId for IE411, IE070, IE071, IE971 remains unchanged between Legacy and To-Be (i.e. it remains empty).  This RFC-Proposal has no impact on the business continuity and must be applied before starting Conformance Testing with CS/MIS2 (if CD070C and CD411D are sent by the NA to CS/MIS2 via CCN queue and not uploaded manually in CS/MIS2).  **Proposed** date of applicability in Operations (T-Ops): As soon as applicablebefore CT of CS/MIS2.  **Proposed** date of applicability in CT (T-CT): N/A  **Expected** date of approval by ECCG (T-CAB): January 2022  **Impact on transition Legacy-ToBe**: None.  **Consequence of not approving the RFC-Proposal**: Incorrect specification, confusion of National development teams.  **Risk of not implementing the change**: No risk for CS/MIS2. ~~Possible rejection by CS/MIS2 if the CorrelId is incorrect.~~  Impacted IEs:   * CD070C, CD411D (if sent via CCN/CSI)   Impacted CI Artefacts:  **-** DDCOM-20.3.0-v1.00**: Yes;**  **-** CS/MIS2-v2.0.0**: tbc;**  - UCC IA/DA Annex B: No;  - Functional Specifications (FSS/BPM)-v5.30: No;  - DDNTA-5.14.1-v1.00 (Appendix Q2, Q2\_R\_C): No;  - DDNXA-5.14.1-v1.00 (Appendix Q2, Q2\_R\_C): No;  - CSE-v51.6.0: No;  - DMP Package-5.6.0 SfA-v1.00: No (incl. update of file Rules and Conditions\_v0.43): No;  - CTS-5.6.1-v1.00: No;  - ACS-v5.5.0 & ACS-Annex-NCTS: 5.5.0: No;  - NCTS\_CTP-5.7.0-v1.00: No;  - NCTS\_TRP-5.7.5: No;  - ieCA 1.0.2.0: No;  - CRP-5.5.0-v1.00: 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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| DDCOM 20.3.0-v1.00 | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | Updates as described in section 3. | |

**Estimated impact on National Project**

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| Cosmetic  Low?  Medium  High  Very High  Short description   |  | | --- | | * **Only if CD411D and CD070C are sent by NA to CS/MIS2 via CCN/CSI queues.** * **The value of the CorrelId in CD411D is expected to remain the same as in CD411B or CD411C sent for the legacy applications. (Worse case it should be a change of configuration in NTA and NECA).** * **No impact from CD071C and CD971C sent by CS/MIS2 to NAs.** | |

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| **Document History** | | |  |
| **Version** | **Status** | **Date** | ***Comment*** |
| v0.10 | Draft by CUSTDEV | 22/11/2021 |  |
| v0.11 | Update by DG TAXUD | 06/12/2021 |  |
| v0.12 | Update by CUSTDEV | 10/12/2021 |  |
| v0.13 | SfR to NPMs | 13/12/2021 |  |
| v1.00 | SfA to NPMs | 06/04/2022 | *Implementing comments #6 7 8 9 from FI and PL.* |
| v1.10 | SfA to NPMs | 06/04/2022/ | *Implementing NA-DE DDCOM SfR Review comment #7* |