# Impact Analysis Report / RFC-Proposal

**Section 1: Meta-data**

|  |  |
| --- | --- |
| **RFC ID** | **RFC\_NCTS\_0101** (RTC-50006) |
| **Related Incident ID** | IM425233, IM400693 |
| **RFC Initiator / Organization** | NA-AT, ITSM3 TES |
| **CI** | NCTS-P5 (DDNTA-5.14.1-v1.00 Main Document) |
| **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***

|  |
| --- |
| **DDNTA-5.14.1-v1.00 (Main Document): IE094/IE095 with Office of Exit for Transit & update Tables 11 & 13 with „Reported to Requested NCTS Office“.** |
| In **section III.II.6.2 T-TRA-EXC-A-007-Status request/response** it is mentioned that an Office of Departure can *at any time* request the state of a movement at the Office of Destination or at the Office of Transit. However, since the Information Exchange Map of NCTS-P5 (Section II.II, Fig. 1) shows that the exchange of messages IE094/IE095 **also takes place between the Office of Departure and the Office of Exit for Transit**, then Section III.II.6.2.should also be adapted accordingly to mention the Office of Exit for Transit as well.  Based on the above, the column „Reported to Requested NCTS Office“ - that is present for the Office of Departure and Office of Destination states (**Tables 10 & 12**) - should also be added for the Office of Transit and for the Office of Exit for Transit states (**Tables 11 & 13**). It represents the status that should be reported to the requesting Office through the IE094/IE095 messages or to the IE038 message. |

**Section 2: Problem statement**

|  |
| --- |
| The **Steps 10** and **11** of the scenario **T-TRA-EXC-A-007-Status request/response** mention:  **[Step 10]** The Office of Departure sends the ‘Status Request’ C\_STD\_REQ (IE094) message to the Office of Destination in the depicted case [the Office of Departure may also send the IE094 to the Office of Transit].  **[Step 11]** The Office of Destination then replies with the ‘Status Response’ C\_STD\_RSP (IE095) message, which contains a state from the set of possible required MRN states at an Office of Destination [or the Office of Transit may also reply with the IE095 to the Office of Departure], as specified in the State Transition Diagrams in paragraphs III.V.3 or III.V.2 respectively.  Therefore, the above two (2) steps will be updated to mention the Office of Exit for Transit as well for the exchange of the IE094/IE095 messages with the Office of Departure.  Additionally, there is the column **„Reported to Requested NCTS Office“** in the following Tables:      Nevertheless, the column **„Reported to Requested NCTS Office“** alsoneeds to be added to the respective tables for the Office of Transit and Office of Exit for Transit as well (i.e. Tables 11 &13) as it is currently missing. This column is used to provide information about the status that should be reported to the requesting Office through the usage of the IE094/IE095 and IE038 messages. |

**Section 3: Description of proposed solution**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| The following update will be performed into the **DDNTA Main Document v5.14.1-v1.00** (changes are depicted in red colour):   1. **In section III.II.6.2 *T-TRA-EXC-A-007-Status request/response*, the introductory first sentence needs to be amended as follows:**   An Office of Departure can at any time request the state of a movement at the Office of Destination, ~~or~~ at the Office of Transit or at the Office of Exit for Transit.  **In the same section, the Steps 10 and 11 of this scenario will be updated as follows:**  **[Step 10]** The Office of Departure sends the ‘Status Request’ C\_STD\_REQ (IE094) message to the Office of Destination in the depicted case [the Office of Departure ~~may also send the IE094 to the Office of Transit~~ may also need to get informed about the current status of the movement at the Office of Transit or at the Office of Exit for Transit (those involved into the transit movement) and thus ‘manually’ triggers the sending of the IE094 message to any of these Offices].  **[Step 11]** The Office of Destination then replies with the ‘Status Response’ C\_STD\_RSP (IE095) message, which contains a state from the set of possible required MRN states at an Office of Destination [~~or~~ the Office of Transit or the Office of Exit for Transit ~~may~~ also repl~~y~~ies with the IE095 message to the Office of Departure that has previously sent the IE094 message], as specified in the State Transition Diagrams in paragraphs III.V.1 or III.V.2 or III.V.3 or III.V.~~2~~4 respectively (i.e. the appropriate state to be used in the IE094/IE095 messages is indicated into the column “Reported to Requested NCTS Office” at the end of each aforementioned paragraph that displays in tabular format the applicable states of an Office).  […]  NOTE: It is up to the national decision whether the Office of Departure sends at the same time the ‘Status Request’ C\_STD\_REQ (IE094) message to the involved Office(s) into the transit movement (i.e. Office of Transit and/or Office of Exit for Transit and/or Office of Destination), but it should be stressed that only one (1) ‘Status Request’ C\_STD\_REQ (IE094) message can be processed at a time by any receiving Office (i.e. to reply to the Office of Departure with the ‘Status Response’ C\_STD\_RSP (IE095) message).   1. **In section III.V.2 *Office of Transit STD*, the Table 11: *States of an MRN at the Office of Transit* will be updated as follows:**  | **Name** | **Status** | **Final** | **Reported to Requested NCTS Office** | | --- | --- | --- | --- | | None | R | No | N/A | | Invalidated | R | Yes | Invalidated | | ATR created | R | No | ATR created | | ATR requested | R | No | ATR requested | | ATR rejected | R | Yes | ATR rejected | | Arrived | R | Yes | Arrived | | NCF registered | R | Yes | NCF registered | | Movement turned back | R | Yes | Movement turned back | | Movement stopped | R | Yes | Movement stopped | | Under recovery procedure | R | No | Under recovery procedure | | Recovery requested | R | No | Recovery requested | | Recovery request rejected | R | No | Recovery request rejected | | Recovery completed | R | Yes | Recovery completed |   Additionally, in section **III.V.4 Office of Exit for Transit STD,** the **Table 13: States of an MRN at the Office of Exit for Transit** will be updated:   | **Name** | **Status** | **Final** | **Reported to Requested NCTS Office** | | --- | --- | --- | --- | | None | R | No | N/A | | AXR requested | R | No | AXR requested | | AXR rejected | R | Yes | AXR rejected | | AXR created | R | No | AXR created | | Arrived | R | Yes | Arrived | | Movement stopped | R | Yes | Movement stopped | | Movement left Security Area | R | Yes | Movement left Security Area | | Invalidated | R | Yes | Invalidated | | Recovery requested | R | No | Recovery requested | | Recovery request rejected | R | No | Recovery request rejected | | Under recovery procedure | R | No | Under recovery procedure | | Recovery completed | R | Yes | Recovery completed |  1. **In section III.II.6.2 T-TRA-EXC-A-007-Status request/response will be updated as follows:**   *NOTE: the re-synchronisation mechanism with the smart ‘Status Response’ C\_STD\_RSP (IE095) can be used to automatically re-send the ‘Notification Leaving Security Area’ C\_LSA\_NOT (IE168) and ‘Notification Crossing Frontier’ C\_NCF\_NOT (IE118) messages which have been rejected but can later be processed once the NTA (e.g. at Departure) has been fixed to avoid rejection. The re-synchronisation mechanism can also be used to resend the ‘Notification Leaving Security Area’ C\_LSA\_NOT (IE168) and ‘Notification Crossing Frontier’ C\_NCF\_NOT (IE118) messages whenever this is possible in case these messages are lost.*  **IMPACT ASSESSMENT**  **No impact on External Domain.**  This RFC-Proposal concerns change of the **DDNTA Main Document** only to also specify the exchange of the IE094/IE095 messages between the Office of Departure and the Office of Exit for Transit.  It is considered that the change proposed has **no impact on business continuity** and can therefore be deployed in a **flexible way**,since the exchange of the IE094/IE095 is performed for informational purposes and is manually triggered by the Office of Departure.  More specifically:   * If the NTA(NCTS-P5) at Office of Departure is not aligned with the RFC-Proposal,   then no IE094 will be sent to the Office of Exit for Transit. [**LOW impact**]   * If the Office of Exit for Transit (NCTS-P5) is not aligned with this RFC-Proposal,   then the incoming IE094 will not be replied with a IE095, but possibly with a IE906 (‘92’ - out of sequence). [**LOW impact**]   * If a movement was initiated under the previous DDNTA (DDNTA 5.14.1-v1.00) release and continues its flow under the new DDNTA (DDNTA 5.15.0) release (open movement), no major issue other than what is mentioned in the previous bullet (i.e. where the sender (Office of Departure) or the receiver (Office of Exit for Transit) has not implemented the change).   **NOTE:** This change is already implemented in the [Functional Specifications as published on CIRCABC](https://circabc.europa.eu/w/browse/6982652d-80c5-4706-987d-ff1a43469243).  **Proposed** date of applicability in Operations (T-Ops): As soon as possible, at latest 1.12.2023  **Proposed** date of applicability in CT (T-CT): July 2022  **Expected** date of approval by ECCG (T-CAB): January 2022  **Impact on transition P4-P5**: None  **Consequence of not approving the RFC-Proposal**: Limited control by OoDEP on the possible desynchronization of movement status. No possible implementation of the smart IE095 at Office of Exit for Transit. More manual work for the National Helpdesks.  **Risk of not implementing the change**: LOW, please see above the section “IMPACT ASSESSMENT”    Impacted IEs:  - None  Impacted CI Artefacts:  **- DDNTA-5.14.1-v1.00 (Main Document): Yes;**  - UCC IA/DA Annex B: No;   * Functional Specifications (FSS/BPM)-v5.30: No;   - DDCOM-20.3.0-v1.00: No;  - DDNTA-5.14.1-v1.00 (Appendix Q2\_R\_C, PDFs): 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 1.0.1.0: 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**

|  |  |  |
| --- | --- | --- |
| **DDNTA-v5.14.1-v1.00, Main Document** | Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | **As described in Section 3 - Proposed Solution** | |

**Estimated impact on National Project**

|  |  |
| --- | --- |
| Cosmetic  Low  Medium  High  Very High  Short description   |  | | --- | | **Impact on the Office of Departure (manual sending of IE094 to OoTRA and OoTXT), Office of Transit (responding with IE095) and Office of Exit for transit (responding with IE095).**  **The smart ‘Status Response’ is extended.** | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Document History** | | | |
| **Version** | **Status** | **Date** | ***Comment*** |
| v0.10 | Draft by CUSTDEV | 24/11/2021 |  |
| v0.11 | SfR to NPMs | 26/11/2021 |  |
| v0.12 | SfR to NPMs | 01/12/2021 | *Updating also the first sentence of section III.II.6.2, as per NA-DE comment.* |
| v1.00 | SfA-NPM + IMP | 01/03/2022 | *New updates are highlighted in green based on extra implementation details* |