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| SPEC 2000M | Request for Clarification | 1 | Request No. RC03/P/21-1 Date: 07-09-2021 |
| 2 | Originator: <u>MTU Aero Engines AG</u> | | To: PWG |
| Date: 07-09-2021 | | | |
| 3 | <u>SPEC 2000M Reference:</u> S2000M Issue 2.1, Segment description (Section 1A-7 Annex A Segment code: PCS). | | |
| 4 | <u>Description of Request for Clarification:</u> <ol style="list-style-type: none"> 1. Situation: Through an IP Update Message, a non-definitive UOI changes into another non-definitive UOI (e.g. CN → DR) without a value change for the UOM and QUI. 2. In the description of the Segment in messages for the segment code PCS is written that the segment needs to be provided. On the other hand it is written in the data elements in segment, that the data elements needs only to be provided, when there are changes in the UOM and/or QUI. 3. The problem is, that some systems requested the PCS segment regardless if the UOM and/or QUI change or not, when the UOI changes as in the example described. 4. Is my assumption correct, that this interpretation is incorrect? | | |
| 5 | <u>Answer Provided:</u> <p>The UOI is included in the PBS-segment whereas the UOM and QUI are included in the PCS-segment. Both PBS- and PCS-segments are level 2 segments that hang below the PAS-segment (level 1). In other words, the UOM and QUI do not hang below the UOI.</p> <p>The rules for segment transmission (including their updates) are included in section 1A-7, §3.5 of S2000M (Issue 2.1). These rules, that are unchanged in Issue 3.0, Issue 4.0 and Issue 5.0, refer to the Branching Diagrams included in the Annexes to section 1A-7. These rules also indicate that transmission of a level 2 segment must always be accompanied by its related level 1 segment from which it "hangs" in the Branching diagram.</p> <p>As per these Branching Diagrams, the following applies in relation to updates of the UOI, UOM and QUI:</p> <ul style="list-style-type: none"> • PAS-segment: This is the level 1 segment thus will always be present when UOI, UOM or QUI are updated. • PBS-segment (UOI): Segment is provided when there is a change to any of the data elements. If the UOI is changed, the segment with changed value for the UOI is presented. • PCS-segment (UOM and QUI): Segment is provided when there is a change to any of the data elements. If the UOM or QUI is changes, the segment with changed value for UOI/UOM is presented. This also means however that if there is no change to the UOM or QUI the segment is not provided. | | |

Note: The remark *“in the description of the Segment in messages for the segment code PCS is written that the segment needs to be provided”* (see under (2) above) is incorrect. The Branching Diagram in Section 1A-7A (Issue 2.1) clearly states for update messages: SEGMENT NEEDS TO BE PROVIDED WHEN CHANGES/ CORRECTIONS OCCUR TO UOM OR QUI.

This means that when a non-definitive UOI is changed in another non-definitive UOI and the QUI and UOM remain the same, only the changed UOI needs to be provided on the update message.