**EXECUTIVE SUMMARY**

1. ICP NUMBER: M2014-10-C0-F
2. ICP TITLE: USMTF Segment Name De-Confliction
3. ICP ORIGINATOR: ACC/A5JIM

300 Exploration Way

Hampton, VA 23666

1. PROBLEM STATEMENT: To support reuse of USMTF data components below the message level, the USMTF CCB agreed to convert USMTF schema design from its current “Venetian Blind” design, where all elements below the message level are declared locally, to a “Garden of Eden” design, where all elements are declared globally. One step in this process is to create global segment types and associated elements. This requires that all duplicated segment names in the USMTF data base, where the segment structures are different, be made unique.
2. PROPOSED SOLUTION: Update the USMTF data base to make the segment names unique.

6. TECHNICAL POC(S): Mr. Marcus Power

ACC/A5JIM

300 Exploration Way

Hampton, VA 23666

Phone: 757-225-1323 / DSN 575-1323

Email: [marcus.power@us.af.mil](mailto:marcus.power@us.af.mil)

**ICP BOILERPLATE**

ICP NUMBER: M2014-10-C0-F

ICP TITLE: USMTF Segment Name De-Confliction

RECEIPT DATE: 02 Oct 2014

ICP PRECEDENCE: ROUTINE

ICP ORIGINATOR: ACC/A5JIM

300 Exploration Way

Hampton, VA 23666

ICP POC: Mr. Marcus Power

ACC/A5JIM

300 Exploration Way

Hampton, VA 23666

Phone: 757-225-1323 / DSN 575-1323

Email: [marcus.power@us.af.mil](mailto:marcus.power@us.af.mil)

AFFECTED DOCUMENTS: USMTF Data Base; all MTFs identified in the attached spreadsheet

RECOMMENDATIONS: YES NO

CCB X

ELECTRONIC CM X

NATO/ALLIED COORDINATION X

ADMINISTRATIVE RECORD OF PROCESSING:

|  |  |
| --- | --- |
| DATE: | ACTION: |
| 20141002 | ICP received for administrative processing. Scheduled for USMTF CCB 2014-3. USAF is requesting comments by 22 Oct 2014 to fast-track. |
| 20141002 | Posted to the USMTF portal on DEPS. |

USMTF Segment Name De-Confliction

1. STATEMENT OF THE PROBLEM: To support reuse of USMTF data components below the message level, the USMTF CCB agreed to convert USMTF schema design from its current “Venetian Blind” design, where all elements below the message level are declared locally, to a “Garden of Eden” design, where all elements are declared globally. One step in this process is to create global segment types and associated elements. This requires that all duplicated segment names, where the segment structures are different, be made unique.
2. PROBLEM ANALYSIS: Currently, segments are declared locally within the messages where they are used. Since it is a local declaration, the standard only requires that the segment name be unique within the message format where it occurs. As a consequence of this rule, there are numerous duplicate segment names in the USMTF data base. In order for USMTF to convert to “Garden of Eden” schema design, these duplicated segment names, where the segment structures are different, will need to be made unique to be able to create global segment types with associated element names.

The USMTF Special Workshop held 16-17 Sep 2014 agreed that the USAF would review the USMTF data base to identify the duplicated segment names and prepare an ICP to be staffed electronically for approval. The Special Workshop further agreed that it would be more efficient to capture the proposed changes in a table format for easy import to the data base, instead of the usual message/set/field style sheet view ICP format.

1. PROPOSED SOLUTION:
   1. Update the USMTF data base to reflect the changes proposed in the attached Excel spreadsheet. The spreadsheet includes 7 columns of data.
      1. The first column (MSGID) was included to support import into the data base.
      2. The second column (MSG IDENTIFIER) is the identifier of the message where the segment occurs.
      3. The third column (SPONSOR) is the sponsor of the message.
      4. The fourth column (SEGMENT NAME) is the segment name. Red indicates that it is a duplicate name and has a different structure and must be de-conflicted. Green indicates that it is a duplicate name and has the same structure so it does not need to be de-conflicted; however, some may have minor differences that need to be corrected. Yellow indicates that it is a duplicate name with differences in the segment structures that requires sponsor determination on how to correct the differences.
      5. The fifth column (SEGMENT STRUCTURE) was included for reference purposes to highlight those segments where the structures are different or to show segment associations where sponsor determination is required; differences are highlighted in red font.
      6. The sixth column (REVIEW COMMENTS) identifies specific differences between segment structures, as well as discrepancies found during the review.
      7. The seventh column (REQUIRED USMTF CHANGES) indicates the required changes or message sponsor actions needed.
      8. The eighth column (NATO SEGMENT NAMES) was included for reference purposes only. If the message sponsor chooses to adopt the NATO name, it is the message sponsor’s responsibility to ensure that the name is appropriate and valid and does not conflict with an existing or proposed USMTF segment name. Note that in the majority of cases, the NATO names are different than the USMTF names. N/A means that there was no corresponding NATO message and/or segment.
   2. Although not annotated in the spreadsheet except for the segment names being changed for de-confliction purposes, delete the word “SEGMENT” from all segment names, unless it is a required word in the name. Although it provides a cue that what follows is a segment, it unnecessarily adds size to the XML instance of the segment and can easily be satisfied through documentation and style sheet representation. NATO has already adopted this concept and codified it within their MTF Guidance Manual as follows: “There is no requirement for the name to end with “Segment” since this will be self-evident in the UF and MTF Reports as well as the XML schema.”
2. ALTERNATE SOLUTION: None
3. TECHNICAL RECORD OF PROCESSING:
4. RECOMMENDED IMPLEMENTATION DATE: This is required for the transition to Garden of Eden.
5. OTHER CONSIDERATIONS: None.
6. REFERENCES: None.
7. ANNEXES: None.

