

CR Number: 4837
External Reference: CR 4836; SAFER CR 536
Category: New XML Web Services Transaction
Component: SAFER/CVISN
Synopsis: Request for new XML transaction to provide near real-time OOSO changes to PRISM and CVISN users.
Status: Open
Disposition: [2007-05-17] Open. Post for review and vote on 6/21.
Description: [2007-01-17] Salazar (from SAFER CR 536)

Architecture CR 4836/SAFER CR 536 proposes changes to MCMIS and SAFER to make OOSO changes available to users via SAFER in near real-time. That proposal involves creating a new trigger in MCMIS that would notify SAFER when a change is made to the out of service status of a carrier by submitting a job into an asynchronous queue maintained within Oracle. The job would contain information that would be inserted into a new table within SAFER indicating that a change had been made in MCMIS since the last daily MCMIS to SAFER update routine.

To minimize the impact on SAFER, the carrier table in SAFER would not be updated as a result of the change in MCMIS. Instead, the job submitted by the MCMIS trigger would load the USDOT Number into a table created in SAFER that contains the USDOT number, MCSIP Step and a timestamp field. A trigger in SAFER would then retrieve the carrier's MCSIP Step from MCMIS and update the current timestamp.

This CR requests that this information be made available via a new SAFER Web Services transaction. That transaction would check to see if a change had been made to the out of service status of a carrier since the last daily MCMIS update to SAFER and, if so, it would use the resulting MCSIP Step value when returning carrier census data to the user. If a change had not been made, all field values would come from the SAFER carrier table.

While these changes were originally proposed to support PRISM users, this real-time information would also be useful to roadside enforcement.

[2007-01-19] Discussed at the 1/18/07 ACCB meeting.

Gary DeRusha (Volpe) explained SAFER CR 536 and noted that the PRISM program is embracing Web services technology. It was noted that the corresponding ECCB RFC has been approved. The SAFER part is on a schedule for development this year, but a MCMIS commitment is still needed. Doug Deckert (WA) noted that this near real-time OOSO change information will be useful to CVISN roadside enforcement as well as to PRISM users.

[2007-05-17] Mentioned at 2007-05-17 CVISN ACCB meeting. Scheduled for SAFER 5.3.

Fix:
Comment:
Attachment names:
Responsibility: Salazar Sandra B
Modified Time: 5/18/2007 3:20:14 PM
Modified By: Salazar Sandra B
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Severity: Medium

Priority: No

Type: Enhancement

Closed On: