

CR Number: 5849
External Reference: Bill Goforth, WA
Category: XML Transactions
Component: SAFER
Synopsis: Change SAFER and CVIEW T0024V2 Transponder Update Logic
Status: New
Disposition: [2008-09-23] New.
Description: [2008-09-23] Originally submitted by Bill Goforth, WA, [2008-09-19]:

The current SAFER T0024V2 transponder processing logic rejects a transponder update when the T0024V2 update attempts to put a transponder on a vehicle (VIN) and the transponder is already associated with a different VIN in SAFER.

When this happens, it is extremely difficult and time consuming to correct this error.

First, the T0024V2 upload file must be opened to determine the transponder that was uploaded for the VIN specified in the SAFER log error message. This is very time consuming if there are a large number of vehicles with the above error.

Next, an email must be sent to FMCSA Technical Support to request that they determine the VIN for the offending vehicle in SAFER. (In other words, determine the VIN of the vehicle in SAFER where the transponder needs to be deleted.) An example of this kind of email is FMCSA problem ticket # 00246284. This problem is still open and Washington has not been able to determine the VIN of the offending vehicle.

Once the offending VIN in SAFER is known, a T0024V2 update must be uploaded for the offending VIN (with no transponder) to delete the transponder from the offending vehicle. Again, this takes a great deal of time if there are more than a few transponder updates with the above error.

Finally, the original T0024V2 update(s) must be uploaded again to apply the transponder update(s) to the correct SAFER vehicle(s).

Alternative 1:

Given that there are limited resources at Volpe and within the CVISN states, the easiest way to correct this problem is to have SAFER and all CVIEW systems automatically delete the transponder from the offending vehicle when a T0024V2 update is sent that moves a transponder to a new vehicle. If all CVIEW systems also use this logic, there will be no need to generate a T0024V2 or T0029V2 update to delete a transponder from an old VIN when it is moved to a new VIN. It is possible that this would allow problems to occur where a transponder could be erroneously moved from one vehicle to another. But it is felt that this problem would occur rarely and the inconvenience caused by this problem would be far less than the inconvenience caused by the update delays imposed by the current SAFER processing logic.

Alternative 2:

Another solution to this problem would be to implement the T0029V2 SAFER web service so that a state could check before uploading a transponder change to insure that a conflict does not exist. And, if a conflict is found, then generate a T0024V2 update to delete the transponder from the old VIN before uploading the transponder for the new VIN. This imposes a great deal more change on all of the CVIEW systems than would be

required by alternative 1. This alternative would also greatly increase the web service processing load for SAFER.

Washington recommends that alternative 1 be implemented.

Fix:

Comment:

**Attachment
names:**

Responsibility: Magnusson Nancy C

**Modified
Time:** 9/23/2008 1:52:48 PM

Modified By: Magnusson Nancy C

Entered On: 9/23/2008 12:21:23 PM

Entered By: Salazar Sandra B

Severity: Medium

Priority: No

Type: Defect

Closed On: