

CR Number: 2954

External Reference: SAFER CR 131; ARC CR 2728; SAFER CR 138

Category: Mandatory Data Elements for T0022 and T0028

Component: CVISN Architecture and Standards

Synopsis: Volpe is reviewing the mandatory data elements in T0022 to see if there is a need to change some of the optional fields to mandatory so they provide meaningful information to the states.

Summary: The vehicle registration data currently in SAFER comes from three kinds of input: PRISM PVF file, CVISN EDI input, and XML T0022 transaction. Although the processing logic of XML, EDI and PVF data files are similar, the required data elements are different. Some of the mandatory fields are commonly required by all three data submissions, and others are only mandatory for one source but not for the other sources.

Proposal: Data elements in XML T0022 transaction will be made mandatory, conditional mandatory, or optional as indicated in the attached table.

Status: Open

Disposition: [2004-10-25] Will be posted to CVISN System Architects list serv for review.

Description: [2004-09-16] Volpe supplied SAFER CR 131 (description follows) in response to action item #4 of the 8/19 ACCB meeting.

The vehicle registration data currently in SAFER comes from three kinds of input: PRISM PVF file, CVISN EDI input, and XML T0022 transaction. Although the processing logic of XML, EDI and PVF data files are similar, the required data elements are different. Some of the mandatory fields are commonly required by all three data submissions, and others are only mandatory for one source but not for the other sources.

Volpe is reviewing the mandatory data elements in T0022 to see if there is a need to change some of the optional fields to mandatory so they provide meaningful information to the states. For example, if states provide values for REGISTRATION_START_DATE, states would be able to determine the current base state for an operating vehicle by looking at REGISTRATION_START_DATE and IRP_BASE_STATE. In other instances, potential data collisions would have been avoided if SAFER and PRISM both provided values for the same list of required fields. There is concern that authoritative data source and non-authoritative data source could overwrite each other's data.

The attached table (PDF file) is the proposed list of mandatory fields for XML T0022. The list was produced by merging the required fields being used by CVISN including E-Screening and PRISM. The Volpe Center recommends that CVISN states and PRISM states review the required field list to see whether or not the fields need to be converted and whether or not it is feasible to provide the data for those required fields.

The advantages of having all input transactions populating the common mandatory fields are listed below:

1. A single XML transaction would support both CVISN and PRISM program.

- Therefore there would be no need to develop a new variant transaction of T0022.
2. There would be no potential data collision since the updates from all data sources would provide the values for the same list of mandatory fields.
 3. It would address concerns raised by Washington State in CR 2728 so that one would be able to determine the current base state of an operating vehicle.

[2004-09-27] Presented and discussed at the 2004-09-23 ACCB meeting. Volpe is reviewing the mandatory data elements in T0022 to see if there is a need to change some of the optional fields to mandatory so they provide meaningful information to the states. The list was discussed and modified. One question discussed was whether there should be a "conditional mandatory", to handle cases such as Alaska and Hawaii being exempt from IRP, certain fields be mandatory for PRISM only, etc. Sharon Holland, representing Alaska, proposed that fake data be submitted for IRP state/weight for Alaska. The updated list will be posted to the CVISN System Architects list serv.

[2004-10-18] At the 9/23 ACCB meeting Volpe led a discussion regarding left-justification of the CVIS_DEFAULT_CARRIER field. This is a data integrity issue that applies to many data elements, especially to those that could be interpreted as either character or numeric. The solution for the immediate problem with Nebraska registration data is that Nebraska will left-justify the values in the CVIS_DEFAULT_CARRIER field and re-baseline. Volpe created SAFER CR 138 to address this specific instance. SAFER CR 139 was created to address the problem in general.

[2004-10-25] Presented and discussed at the 2004-10-21 ACCB meeting. It was decided that REGISTRATION_START_DATE should be mandatory because it is used by states to determine which registration is the most current. In addition, IRP_WEIGHT_EXPIRE_DATE will be mandatory. The T0022 mandatory/optional list will be updated to reflect this and will be reposted to the list serv. CR 2954 will be posted to the CVISN System Architects list serv for comments and will be voted on at the November ACCB.

Impact on SAFER:

1. The T0022 and T0028 schema files will need to be changed.

Impact on States:

1. XML States will need to update corresponding schema files for CVIEW.
2. XML States will need to re-certify for T0022 transaction.
3. No impact on EDI States

Impact on architecture:

Change to CVIEW - SAFER XML interface at detailed level

Impact on documentation:

SAFER ICD

Fix:

Comment:

Attachment Names: CR2954_T0022MO list.pdf CR2954_T0022MO list_V04.pdf

Responsibility:

Modified Time: 10/28/2004 12:41:21 PM

Modified By: Magnusson Nancy C.

Entered On: 9/16/2004 12:17:51 PM

Entered By: Salazar Sandra B.

Severity: Medium

Priority: No

Type: Defect

Closed On: