CR Number: 5348

External Reference: Bill Goforth, WA (360-705-7365)

Category: SAFER Upload

Component: SAFER

Synopsis: This CR requests the capability to keep track of which jurisdictions are permitted to upload T0019, T0020, T0021 and T0022 registration data on behalf of other jurisdictions.

Status: Open

Disposition: [2007-10-22] Open.

Description: [2007-10-22] Discussed at 2007-10-18 ACCB meeting.
NE noted that there are privacy concerns with a state sending cab card information to SAFER without the state's permission. It was suggested that FMCSA should take the lead and send "data upload request" letters to all non-CVISN states on behalf of all certified CVISN states. It was also suggested that a non-authoritative source first send any registration data they wish to upload to SAFER to the base state for verification before uploading it to SAFER. WA stated that the point of the CR is to get more registration data into SAFER. Some states on the call felt that if states are receiving CVISN funds, they should be willing to have registration data uploaded to SAFER. APL took the action item to present this issue to FMCSA.

[2007-10-18] Initial posting

This CR requests the capability to keep track of which jurisdictions are permitted to upload T0019, T0020, T0021 and T0022 registration data on behalf of other jurisdictions.

States propose the creation of a new JURISDICTION_UPLOAD_STATUS table in SAFER and new upload data integrity checks for the T0019, T0020, T0021 and T0022 transactions.

The proposed JURISDICTION_UPLOAD_STATUS table will be used to keep track of which jurisdictions are permitted to upload T0019, T0020, T0021 and T0022 data on behalf of other jurisdictions.

This CR has no impact on a jurisdiction uploading their own T0019, T0020, T0021 and T0022 data.

The proposed JURISDICTION_UPLOAD_STATUS table would contain the following columns (design specifics are provided here for discussion purposes only – final physical design chosen by FMCSA developers may differ):

JURISDICTION varchar(4) -- Country/Jurisdiction
AUTHORIZED_UPLOAD_JURISDICTIONS varchar(255) (or could be a secondary table)
CAN_UPLOAD_FOR_OTHERS_FLAG char(1) – "1" or "0"

JURISDICTION - The table will contain one row for each jurisdiction.

AUTHORIZED_UPLOAD_JURISDICTIONS – This is a list of all of the jurisdictions (4 character jurisdiction codes separated by commas) that are authorized to upload T0019, T0020, T0021 and T0022 data for the authoritative source, JURISDICTION. The default value is "ANY". "ANY" indicates that any jurisdiction that has CAN_UPLOAD_FOR_OTHERS_FLAG = 1 can upload data on behalf of the specified

JURISDICTION.

A jurisdiction will send a written request to the ACCB to specify the jurisdiction(s) that are authorized to upload T0019, T0020, T0021 and T0022 data on their behalf. By only specifying their own jurisdiction for AUTHORIZED_UPLOAD_JURISDICTIONS, the authoritative source jurisdiction can prevent any other jurisdiction from uploading data on their behalf. The right to specify AUTHORIZED_UPLOAD_JURISDICTIONS can be revoked by the ACCB if it is found that a jurisdiction (or its delegate) is unable to upload their data and make corrections in a reasonable time frame (for example, where a current cab card does not agree with data uploaded to SAFER or a state loses its SAFER certification for an extended period of time). In this case, AUTHORIZED_UPLOAD_JURISDICTIONS will be reset to “ANY”.

To insure that SAFER can reliably verify the upload source for a submitted XML file, each jurisdiction will be given their own secure upload subdirectory that restricts upload access to the associated jurisdiction’s username.

CAN_UPLOAD_FOR_OTHERS_FLAG – “0” indicates that a jurisdiction may not upload data for other jurisdictions. “1” indicates that a jurisdiction is permitted to upload data for other jurisdictions. By default this column will be set to “0”. A jurisdiction will request this column be set to “1” in a written request to the ACCB. This privilege can be revoked by the ACCB if it is found that a jurisdiction fails to correct errors in their uploaded data in a timely fashion or if a jurisdiction repeatedly uploads erroneous information.

New Upload data integrity checks–
A data integrity check will be added for each of the T0019, T0020, T0021 and T0022 transactions that will check whether a jurisdiction has permission to upload the updates contained in a submitted XML file.

To do this, the BASE_STATE of each update in the XML file will be compared to the submitting jurisdiction (as determined from the name of the submitting jurisdiction’s upload subdirectory). If they are the same, the update will be permitted (assuming no other edit errors are found).

If the BASE_STATE of an update and submitting jurisdiction are different and the submitting jurisdiction has a “0” for CAN_UPLOAD_FOR_OTHERS_FLAG in the JURISDICTION_UPLOAD_STATUS table, then the update will be rejected with an appropriate error.

If the BASE_STATE of an update and submitting jurisdiction are different and AUTHORIZED_UPLOAD_JURISDICTIONS for the BASE_STATE does not include the submitting jurisdiction, then the update will be rejected with an appropriate error.

Even though updates are found in an XML file that fail the above checks, updates that pass this and other existing checks in the same XML file will be permitted.

Impact:

Fix:

Comment:

Attachment names:

Responsibility:

Modified 10/22/2007 1:48:24 PM

Time:	
Modified By:	Salazar Sandra B
Entered On:	10/18/2007 6:06:28 AM
Entered By:	Magnusson Nancy C
Severity:	Medium
Priority:	No
Type:	Defect
Closed On:	