

R6. Cred Admin Applications

UNDERSTANDING ITS/CVO TECHNOLOGY APPLICATIONS

Reference Manual

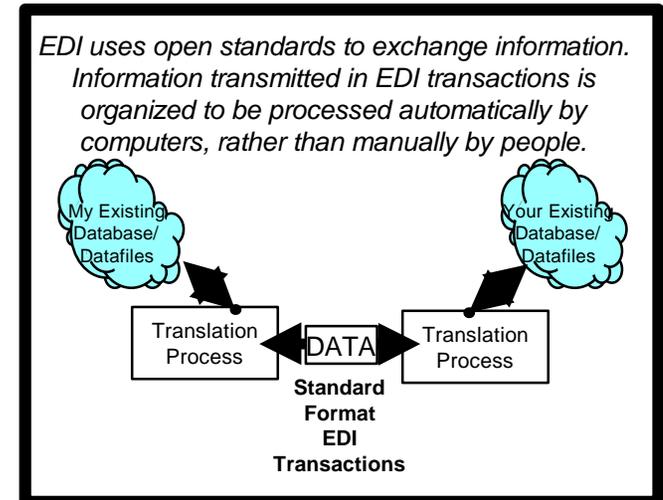
MODULE 6 - APPLYING THE TECHNOLOGIES TO CREDENTIALS ADMINISTRATION PROBLEMS



Discussion: Interface Standards

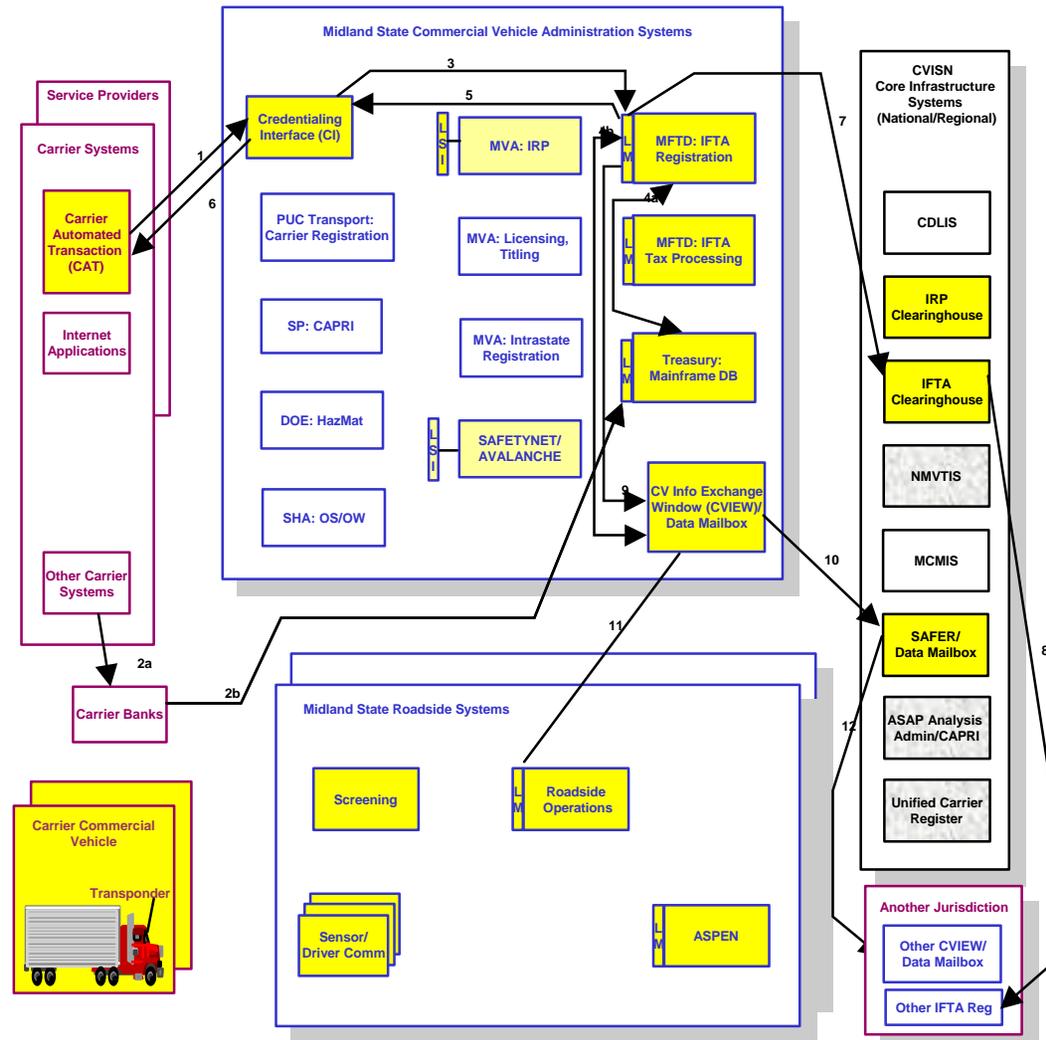
What interface standards are required to support this IFTA scenario?

- EDI?
(computer-to-computer, across boundaries)



Discussion: Interface Standards

- EDI:
 - Electronic Credentialing (TS 286, 997)
 - Snapshots (TS 285, 824, 997)
 - Electronic Payment (depends on method chosen)



IRP Supplement, Add Vehicle

1. Carrier enters an IRP credential application via a Carrier Automated Transaction (CAT) system which submits it to the Credentialing Interface (CI) as a TS 286, and CI returns TS 997 acknowledgment back to the CAT.
2. The CI sends the application to MVA:IRP for processing as a TS 286.
3. The MVA:IRP product makes queries against the snapshot database to determine whether to grant or deny the credential.
4. An invoice is sent to the CI for transmission to the carrier CAT. A Temporary Authority (TA) credential is included in the same TS 286 transaction, if one was requested.
5. The CI sends the TS 286 to the Carrier, and maintains archival/audit copies of all transactions.
6. If a TA was sent, the CI creates a snapshot segment update indicating that the carrier has temporary credentials and sends as TS 285 to the CVIEW system.
7. CVIEW receives the TS 285, determines that it is for an interstate credential, and transmits the TS 285 to SAFER, providing the registration data needed to generate a new snapshot.
8. The Carrier reviews the TA and the fee information, and provides payment information to the CI in a returned TS 286.
9. The CI validates the payment information (financial system interfaces are not shown), and passes to MVA:IRP a payment authorization message as a TS 286.
10. MVA:IRP updates the credential to permanent status, and sends cab card data to the CI as a TS 286.
11. The CI passes the information to the carrier CAT. The cab cards may be printed at the carrier site or in the IRP office.
12. The CI updates snapshot with the permanent credential information by sending a TS 285 to CVIEW.
13. CVIEW receives the TS 285, determines that it is for an interstate credential, and transmits the TS 285 to SAFER, providing the registration data needed to generate a new snapshot.
 - A. Periodically, the MVA:IRP sends updates to the IRP Clearinghouse on IRP registration information and fee payments (recaps), using TS 286.
 - AA, BB, CC. On a monthly basis, the IRP Clearinghouse reports the fee information to all jurisdictions (pre-netting transmittal). The IRP office approves or corrects the transmittals, and the IRP Clearinghouse performs the actual netting and reports corrected/approved vehicle and fee actions (post-netting transmittal). The IRP Clearinghouse reports the netting results (remittance netting reports). All transactions are TS 286 and are handled by the MVA:IRP in Midland.

Electronic IFTA Tax Filing

1. The MFTD:IFTA Tax Filing product generates a TS 813 tax filing notification for each carrier registered under IFTA in Midland. The notification is sent to the carrier CAT via the CI.
2. The carrier enters IFTA tax filing information via CAT software and submits it as a TS 813 to the CI. The carrier either indicates/initiates electronic payment as a part of the tax filing submission or manually sends a check to the Midland Treasury office.
3. The CI validates the 813 transaction and sends the tax filing to MFTD: IFTA Tax Filing for processing. As usual for EDI exchanges, the CI sends a TS 997 to the carrier CAT to acknowledge receipt of a valid transaction set or to report syntax errors.
4. The MFTD: IFTA Tax Filing product evaluates the tax filing and matches it with payment information from the Midland Treasury Mainframe.
5. The MFTD: IFTA Tax Filing product returns a TS 151 to the CI for transmission to the carrier CAT. If processing was completed successfully, the TS 151 notifies the carrier as such. The TS 151 may include content-oriented error reports (e.g., unable to certify payment, wrong amount calculated, etc.). As usual for EDI exchanges, the CI sends a TS 997 to the MFTD: IFTA Tax Filing product to
5. (continued) acknowledge receipt of a valid transaction set or to report syntax errors.
6. The CI forwards the TS 151 error message to the carrier CAT. As usual for EDI exchanges, the CAT sends a TS 997 to the CI to acknowledge receipt of a valid transaction set or to report syntax errors.
 - A. Periodically, the MFTD: IFTA Tax Processing product sends transmittals as a TS 826 to the IFTA Clearinghouse. If errors are found in the transmittal, a TS 286 containing a textual error description is sent to the jurisdiction, which corrects the problem and resubmits. As usual for EDI exchanges, the Clearinghouse sends a TS 997 to the CI to acknowledge receipt of a valid transaction set or to report syntax errors.
 - B. The IFTA Clearinghouse processes transmittals from all participating jurisdictions and sends transmittal information for Midland (and other member jurisdictions) to the member jurisdictions as a TS 826. If errors are found in the transmittal, a TS 286 containing a textual error description is sent to the IFTA Clearinghouse, which corrects the problem and resubmits. As usual for EDI exchanges, the MFTD: IFTA Tax Filing product sends a TS 997 to the IFTA Clearinghouse to acknowledge receipt of a valid message or to report syntax errors.