State of Oregon
Department of Transportation
Driver and Motor Vehicle Services

DMV

Oregon Automobile Liability Insurance Reporting Program

ALIR

Reporting Instruction Manual for Insurance Companies

Updated 8/08/02

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1   Introduction to the Oregon ALIR System

1.1   Reporting Instruction Manual Purpose
The purpose of this Manual is to provide insurance companies with the necessary information to comply with the Oregon 1993 Legislative Session, Senate Bill 955, now referred to as Oregon's Automobile Liability Insurance Reporting Program (ALIR) throughout this document and all other documents produced. The Manual is a mix of business and technical information.

1.2   Program Goal
The goal of the ALIR system is to reduce the number of uninsured motor vehicles operating on Oregon highways. There is an underlying assumption that with the reduction of uninsured drivers, the number of uninsured accidents will decline.

1.3   Program Purpose
The purpose of the ALIR Program is to provide an on-line tool to law enforcement officials to determine whether reasonable grounds exist to believe that a person is operating a vehicle without the Oregon minimum liability insurance required. Currently, the ALIR system has no effect on any of DMV's financial responsibility programs.

1.4   Background Summary
The 1993 Oregon Legislature passed Senate Bill 955, electronic transfer of insurance information by insurers. The bill requires motor vehicle insurers to notify DMV within 15 days of issuing a new policy and within 30 days of policy cancellations. The bill requires DMV to maintain motor vehicle insurance records for law enforcement to access. Insurance data will help law enforcement officials determine whether there are reasonable grounds to believe that a person is operating a vehicle without motor vehicle insurance required by statute. The insurance data base will not replace any of DMV's current financial responsibility programs nor will DMV suspend drivers based on information submitted by the insurance industry.

Any vehicle required by Oregon law to be insured is required to be reported. ORS 806.020 lists which vehicles are required to carry insurance, and which vehicles are excluded from insurance requirements. If DMV should receive insurance information on any vehicles not required to carry insurance, it will be processed as usual and matched accordingly.

DMV established an advisory and technical group composed of members from state, county, and local law enforcement agencies; a representative from the Public Utility Commission; a representative of Law Enforcement Data System; representatives from large and small insurance companies; and a representative from the Department of Consumer and Business Services, Insurance Division. These groups advised DMV on issues relating to the implementation of ALIR, such as the Administrative Rules and the required data elements. The groups also educated DMV on how the insurance business operated and the needs of the users. DMV is implementing this project in three phases.

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1.5 Phase 1

DMV implemented Phase 1 on March 1, 1996. Insurance companies writing $20 million or more in business, in the state of Oregon, began electronically reporting. These companies do approximately 60 percent of the insurance business in Oregon.

The scope of Phase 1 was to make the electronic connection between the identified insurers and DMV. DMV developed the insurance data base to validate data, return errors and electronically store the insurance information received.

The insurance system developed in Phase 1 did not include on-line access to law enforcement. However, the data is accessible by DMV using existing data access methods in order to provide insurance information to those authorized by statute to have the information.

1.6 Phase 2

DMV implemented Phase 2 on March 1, 1997. In this phase, insurance companies writing less than $20 million in business, in the state of Oregon, began reporting. For this phase, DMV implemented reporting methods other than Electronic Data Interchange (EDI).

1.7 Phase 3

DMV is currently implementing this phase. Within this phase, DMV will match and link insurance records to vehicle records. Once this phase is fully implemented, law enforcement will have on-line access to insurance data via the Law Enforcement Data System (LEDS).

At the request of the insurance industry, the process to match data into the DMV database will require a new load from insurers. This will ensure the integrity of the insurance data DMV matches to the vehicle records.

1.8 Administrative Rules

DMV developed and adopted administrative rules to implement the Oregon ALIR program. The rules were developed with input from the insurance industry and other non-DMV interested parties. Administrative rules clarify the statute's mandatory implementation of the ALIR program. The administrative rules pertaining to the ALIR program are OAR 735-050-0130, General Provisions for Electronic Insurance Reporting, OAR 735-050-0150, Definitions Relating to Electronic Insurance Reporting, OAR 735-050-0150, Electronic Insurance Reporting, and OAR 735-050-0160, Data Elements for Electronic Insurance Reporting. Click here for the text of the administrative rules.

2   System Architecture

2.1   Overview

DMV's system processes policy information reported to the state by all insurance companies who provide automobile liability insurance in Oregon. DMV developed a system that was simple, inclusive of sending, receiving, storing and accessing. It is designed to be interactive with the current system.

Most insurers send that information as EDI (Electronic Data Interchange) "messages" to DMV's "mailbox" on the AT & T Global network. Insurers with very low policy volume are permitted to report to the state by manual methods, either paper forms or computer diskettes. Only the EDI process is described in this section.

Automobile liability insurance information is sent to the state in a nationally standardized format as defined by the American National Standards Institute (ANSI). The standard is known as the ASC X12 Transaction Set 811 (Consolidated Service Invoice or Statement). The insurance industry subcommittee has further defined a standard usage of the Transaction Set 811 for Automobile Liability Insurance Reporting (ALIR).

The system used by Oregon includes software supplied by AT & T Global and programs developed by DMV and is a series of batch jobs. The following job steps comprise the system:

1. Opens DMV's electronic mailbox on the AT & T Global network, retrieves the   message envelopes, removes the individual records from their electronic envelopes, and translates them to DMV data record format. A Functional Acknowledgment message (ASC X12 Transaction Set 997) is prepared for returning to the sender. The Data Interchange translator checks to ensure that the message sent by the trading partner follows the rules of the 811 ALIR standard and that certain high-level data definitions are correct according to Oregon's rules. If an error is detected, that fact is noted in the 997 acknowledgment message and the 811 message is not processed any further. If no high level errors were found, the individual insurance records continue processing through the DMV system.

2. Transmits the 997 acknowledgment message to the insurance company's network mailbox. A 997 message is always sent, whether or not any translation errors were detected in Step 1.

3. Validates the contents of the DMV data records according to DMV's rules. Records which contain no errors are written to a cumulative relational data base to satisfy Oregon's ALIR law. Records which contain errors are written to a separate data store for error processing. Validation errors are defined in Section 6 of this Reporting Guide.

4. Translates the error records into an 811 "error return" message, places it in an EDI envelope, and sends the envelope to the insurance company's network mailbox. If DMV's validation program found no errors in an incoming 811 message , no 811 "error return" message is sent to the insurance company.

5. Prints a report of validation statistics for use by DMV staff.

The process operates not only for periodic reporting, but also for initial loading of policy information. Companies with a relatively low policy volume may be permitted to send their initial information over the network to DMV's mailbox; higher volumes must be sent to DMV on magnetic tape cartridge. The de-enveloping and translation process in Step 1 above can read records in 811 format from magnetic tape cartridge rather than receiving them from the AT & T Global network mailbox. All subsequent steps use the network EDI process, however, even if the initial load records were received on tape.

Manage EDI Data
EIR100
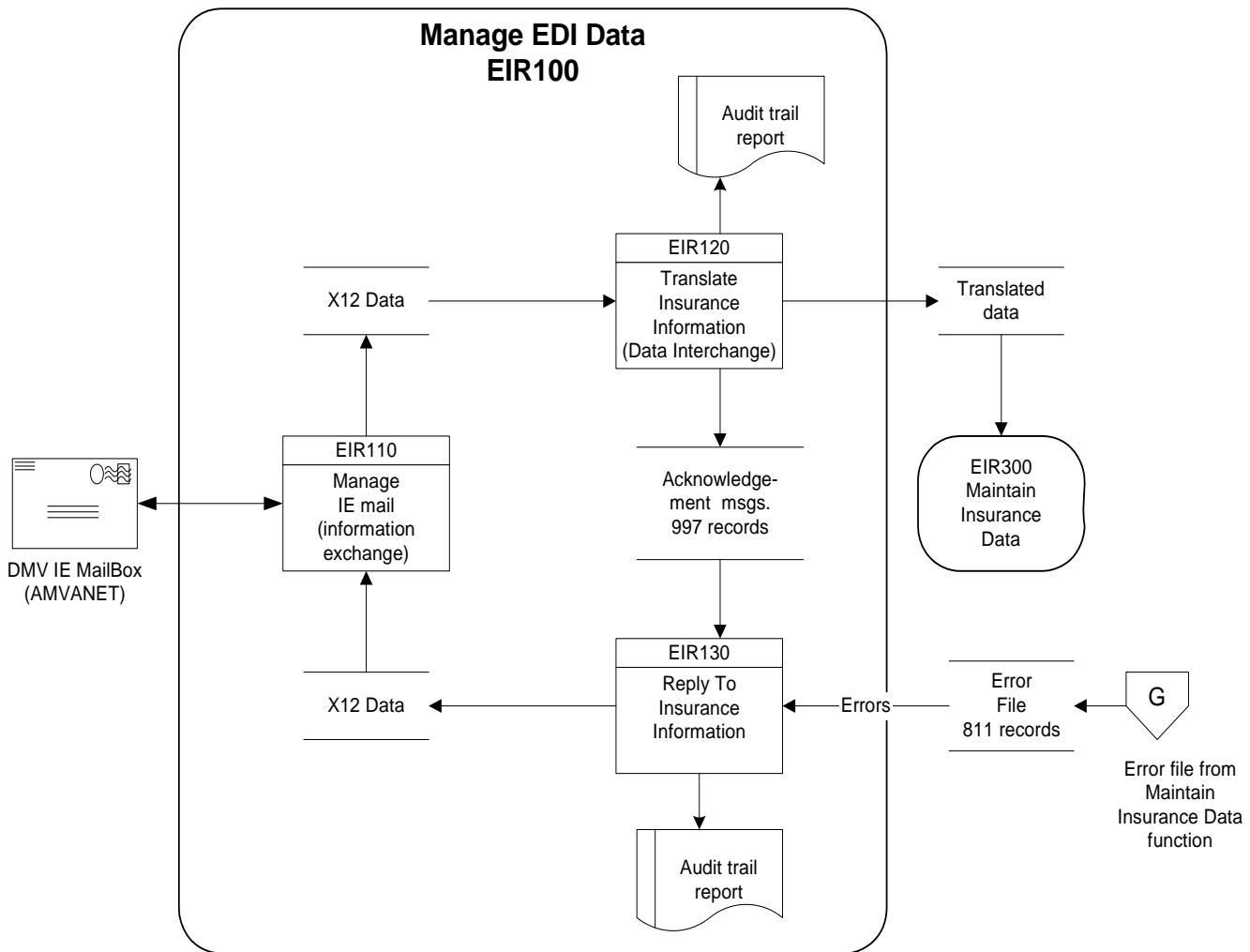
2.2 Technical Notes

DMV uses three software components for EDI functions: Information Exchange (IE), Expedite Base, and DataInterchange (DI). IE performs the network communications function, Expedite Base is the communication process that transmits messages in the IE mailbox to/from DI which performs the EDI translation functions using the X12 811 send and receive maps and the X12 997 acknowledgement message.. The Oregon ALIR system runs as a series of batch jobs on an IBM – MVS OS390 mainframe.

The rules for translating the X12 811 message to DMV's application data format (called data mapping) are defined by DMV-coded parameters and data tables in DI. One application data record is created for each occurrence of a vehicle or a non-vehicle policy in the 811.

The validation and match programs were written by DMV; they are COBOL II programs which read and write to DB2 tables. For 1981 and newer vehicle information, the program calls R.L. Polk's VINA program to validate Vehicle Identification Numbers, makes, and years.

The batch process is executed once daily, at an early morning hour Tuesdays through Saturdays. The early morning hour is set to accommodate senders from all continental time zones and to take advantage of reduced rates for network traffic. Note, however, that the schedule may change at any time to suit DMV's overall processing environment, and does not affect when EDI senders transmit messages to DMV. Unexpected and unrelated production delays may also cause the EDI process to begin at a later time on any day.

3 Reporting Specifications

This section describes the load and on-going file reporting specifications for information exchange between an insurance company and DMV.

3.1 Insurance Data Base Load

Oregon DMV can receive ALIR information in several media. The choice of media depends on the sender's number of records for Oregon (the total of the number of vehicles plus the number of non-vehicle polices.) Because of volume considerations for loads, the choices for the load are different from those of periodic updates.

Number of Records	Media Choices
Fewer than 25,000	Diskettes or network EDI
25,000 or more	Magnetic tape cartridge

1. Each insurance company will submit to DMV all motor vehicle liability insurance policy coverage in effect in Oregon at the time of the load.

2. The record content and medium must comply with the requirements outlined in Sections 3, 4, and 6 of this Manual.

3. Prior to becoming certified as a trading partner to do business with the Oregon ALIR program and providing the load of your book of business, testing must be completed. Section 5 of this Manual outlines the testing process. If testing was conducted for Phase I or Phase II, it is not necessary to conduct testing for Phase III, unless the reporting method will change.

4. The DMV project manager and your project manager will define and agree upon your load process and schedule the load of active records.

5. If the rejection rate for the load file is 75% or higher, the load will not be processed. DMV will contact the insurance company to resolve the problem as quickly as possible. The insurance company must make the corrections, reschedule the load and resubmit the entire file.

6. For companies submitting their load via magnetic tape cartridge or EDI, DMV will send a statistical report, via EDI, of the load defining number of records, record types and specific data elements with errors. For companies submitting their load via diskette, DMV will send a letter acknowledging that the load has been processed, along with an error report.

7. The format for electronic and magnetic tape cartridge must meet the ANSI X12 Set 811 standards.

3.2   Insurance Record Reporting Process

Updates

1. Oregon DMV can receive ALIR information in several media. The choice of a medium depends on the sender's number of records for Oregon (the total of the number of vehicles plus the number of non-vehicle policies.) When the number of policies exceeds 1,000, those insurers using paper or diskettes should begin converting to EDI within 60 days of reaching 1,000 policies reported. Records Unit will send a letter informing the conversion begin within the next 60 days.

Number of Records	Media Choices
Fewer than 1,000	DMV paper forms, diskettes, or network EDI
More than 1,000	Network EDI

2. Ongoing policy reporting requires the insurance company to submit the insurance activity records to DMV. **Insurance companies must submit these records to meet the time frames addressed in statute, 15 calendar days for new business and 30 calendar days for terminations.** For those companies reporting by any method other than EDI, the 15 days for new business and 30 days for terminations indicate postmarked dates.

3. Your company may choose to report daily, bi-weekly, weekly, or whatever timelines suit your business as long as you meet the time frames in statute.

4. Transactions must be submitted when: new liability insurance is issued or a vehicle is added to a policy and/or a vehicle is no longer insured, i.e. the vehicle is removed from a policy or the insurance is terminated. Terminated is inclusive of canceled, not renewed or not renewed, and all periods of time such as grace periods or reinstatement periods have expired.

5. The DMV Driver Records Unit contact and your project manager will define and agree upon your reporting process.

6. DMV will process non-EDI transactions daily, Monday through Friday. The batch process runs daily, Tuesday through Saturday.

7. DMV will place valid records in the insurance database and return acknowledgments (for EDI reporting only) and error messages to the insurance company.

8. The format for insurance records submitted electronically must comply with the standards for ANSI ASC X12 Transaction Set 811 (3050). Appendix A contains Oregon's Adaptation of the Automobile Liability Insurance Reporting Implementation Guide.

9. All electronic communication will be done through the AT & T Global IE network only.

10. If your company is not an AT & T Global subscriber, your VAN or service bureau must make the communication connections to AT & T Global.

3.3   Manual Reporting Specifications

Electronic reporting is recommended, however the following business specifications have been developed for those companies that:

- Write insurance for 1,000 or fewer Oregon registered or Oregon based vehicles or
- Write insurance for 1,000 or fewer non-vehicle specific policies

If your company chooses to do non-EDI reporting, you may only do so as long as you write insurance for 1,000 or fewer vehicles in Oregon, or 1,000 or fewer non-vehicle specific policies . Once you exceed that limit, you will be required to change to EDI reporting.

All Section 3.2 reporting requirements apply to the manual reporting process, other than formatting data into the ANSI ASC X12 standards, and reporting through the AT & T Global IE network.

3.3.1   Diskette Method

1. DMV can accept ALIR information on diskettes in a number of file formats (see Section 4.3 for a list of the file formats.)

2. DMV can also provide, free of charge, a Microsoft Access data entry program. This program will provide the necessary edits to supply the required data on diskette. The data entry screen is similar to our paper forms.

3. See Section 4.3 for technical specifications on submitting data using the diskette method.

3.3.2   Paper Method

1. DMV will supply paper forms specially designed for the ALIR requirements. See Appendix C for a sample form. A supply of forms can be obtained by contacting the Driver Records Unit at 503-945-5033 or DMVALIRQuestions@odot.state.or.us.

2. Complete one form for each policy transaction submitted.

3. Mail transactions to: DMV
                            Driver Records Unit/ALIR
                            1905 Lana Ave NE
                            Salem OR 97314

4. Data element rules are defined in Section 6.1 for completing the form.

5. Forms with missing or incomplete data will be returned for correction and resubmission.

3.4   Error Reporting

1. DMV will return errors from the load and on-going reporting via EDI for those companies reporting EDI. Those companies reporting manually will receive a paper error report.

2. DMV will add valid accepted insurance records to the insurance data base. These are records with no errors, such as data missing or formatted improperly, etc. See Sections 6.3 for a list of errors, and section 6.4 for a list of edit criteria, and what action takes place when data elements do not meet the criteria.

3. The insurance company must develop an error correction process for records that are rejected.

4. The insurance company must correct record errors and resubmit corrected records as quickly as possible via the agreed upon transmission mode for on-going reporting. DMV has not mandated a specific time frame for correcting errors. It is acknowledged that some errors will require customer contact and a response from the customer, which may take time. However, keep in mind, when records are rejected, your customer is operating a vehicle that may appear to law enforcement to be uninsured.

5. Appendix B contains the Oregon Adaptation of ALIR Implementation Guide (TS811) error record format for electronic reporting.

4 Technical Specifications

This section defines the technical specifications for the various acceptable media for record transmission and the standards for that media.

DMV will reject any data received which does not meet these specifications.

4.1 Electronic

1. Ongoing electronic data transfer will be made through the AT & T Global IE Network.

2. The format for insurance records submitted electronically must comply with the standards for ANSI ASC X12 transaction Set 811 (3050). Appendix A contains Oregon's Adaptation of the Automobile Liability Reporting Implementation Guide.

3. The maximum number of records allowed in a single EDI envelope is 25,000. A record is either a single vehicle or a single non-vehicle policy.

4. Programming must include the ability to receive an 811 error transaction and return a 997 functional acknowledgment to the 811 error transaction.

5. Translation errors due to invalid content can be avoided if a sender ensures that the data elements they send meet the standards. The following are examples of EDI data standards:

    ● Dates are all numeric characters and are valid according to a calendar
    ● Alphanumeric data elements contain only UPPERCASE letters, numerals, spaces, and certain special characters
    ● Related elements are either both present or both absent.

6. Oregon DMV recommends that the following data delimiters be used in electronic transmissions delivered both over the network and on magnetic tape.

    Sub-element delimiter: hexadecimal 1F
    Data element delimiter: hexadecimal 1D
    Segment delimiter: hexadecimal 1C

    The default delimiters in some EDI software products are hexadecimal 5C for the data element delimiter and hexadecimal 5A for the segment delimiter. The hexadecimal 5C is an asterisk. Since some data elements may contain asterisks as valid data, using an asterisk as a data element delimiter can cause a failure of the EDI translation logic.

4.2   Diskette

1. Oregon DMV can accept data records on diskettes directly from several proprietary PC database software products.

2. DMV can accept the following file formats:
   - Paradox (3.x or 4.x or 5.x)
   - FoxPro
   - dBASE 3
   - dBASE 4
   - dBASE V
   - Access 97
   - Excel 4, 5 or 97
   - Comma delimited ASCII text

3. The external diskette label must contain the following information:

   - "Oregon DMV ALIR"
   - Insurance company name
   - Data format being used (Access, Text, etc.)
   - File name, including extension, e.g. nnnnn.mdb, where nnnnn is the NAIC number

4. For diskette reporting, the X12 format is not used.

5. Companies reporting on diskette must follow these guidelines:

   - One file per diskette
   - Files spanned across multiple diskettes are not acceptable
   - Not compressed
   - Not encrypted
   - Maximum number of data records is 4,000 per diskette

6. Companies using comma delimited text files must use the following guidelines for the data records:

   - Data element content and sequence in DMV ALIR data record format. See Section 6.5, Record Definitions, FE4.6.50, FE4.6.51,FE4.6.52 and FE4.6.53.
   - Elements which contain commas are surrounded by double quotes
   - End-of-record indicated by Carriage Return and Line Feed
   - Alphabetic characters are all UPPERCASE
   - Elements can contain alphabetic, numeric, spaces, and certain special characters only.

7. The following table describes the diskette data record format for reporting on diskettes.

Seq	Data Element	Field Name	Type	Size
1	Record ID ("OALIR")	RecordID	AN	5
2	Insurer's NAIC code	NAICcode	N	20
3	Submission date century	SubCC	N	2
4	Submission date year	SubYear	N	2
5	Submission date month	SubMonth	N	2
6	Submission date day	SubDay	N	2
7	Sender ID	SenderID	AN	20
8	Sender type (for non-EDI companies, will always be 'IN'	SenderType	A	2
9	Policy type	PolicyType	A	2
10	Transaction type	TransType	A	3
11	Policy number	PolicyNum	AN	30
12	Effective date century	EffCC	N	2
13	Effective date year	EffYear	N	2
14	Effective date month	EffMonth	N	2
15	Effective date day	EffDay	N	2
16	Termination date century	TermCC	N	2
17	Termination date year	TermYear	N	2
18	Termination date month	TermMonth	N	2
19	Termination date day	TermDay	N	2
20	Insured DOB century	DOBCC	N	2
21	Insured DOB year	DOBYear	N	2
22	Insured DOB month	DOBMonth	N	2
23	Insured DOB day	DOBDay	N	2
24	Person or Organization	PersonOrg	N	1
25	Insured's last name or Organization name	LastName	AN	36
26	Insured's first name	FirstName	AN	20
27	Insured's middle name	MidName	AN	20
28	Insured's customer ID	CustID	AN	20
29	Customer ID jurisdiction	CustJuris	AN	2
30	Insured's address	Address	AN	36
31	Insured's city	City	AN	30
32	Insured's state	State	A	2
33	Insured's ZIP code	Zip	AN	5
34	Vehicle Identification Number (VIN)	VIN	AN	17
35	Vehicle year	VehYear	N	4
36	Vehicle make	VehMake	AN	5
37	Vehicle plate	VehPlate	AN	7

5　Testing

The testing portion of this process applies to those insurers sending data via EDI and diskette. Those insurers reporting by the paper method are not required to complete any testing process.

New companies must conduct testing prior to submitting an initial load. Companies switching from one reporting method to another or from one diskette file type to another must conduct testing prior to making the switch.

An insurance company sending Automobile Liability Insurance information to Oregon DMV through EDI is known as a trading partner. In ASC X12 terminology, a Trading Partner is also known as a Sender. A Sender may be an insurance company or a third-party service bureau which sends ALIR data on behalf of one or more insurance companies. In some cases, the service bureau is "invisible" to DMV; the data appears as if it comes straight to DMV from an insurance company.

Each Sender must be defined in various components of DMV's system. This is true for an insurance company whose data is going to be sent by a service bureau which is already defined to the system, and for a subsidiary to a previously defined insurance company Sender.

To become a trading partner you must meet all the business and system requirements, along with completing the testing defined in this section of the reporting guide.

There are four possible tests your company could be involved in.

1. **Connectivity testing** - sending and receiving messages electronically
2. **Transaction set testing** - the 811 transaction document for formatting and the   ability to receive 997 acknowledgments and 811 errors
3. **Validation testing** - the testing of your data for errors
4. **Magnetic tape cartridge or diskette testing** - checking the format and data validity

DMV expects you will do internal testing of your system prior to beginning the testing process with DMV. The insurance company system should be built in a manner that eliminates data errors from arriving at DMV.

When you have successfully completed all testing, DMV will schedule a date with you to deliver your entire initial load of business, or to switch your ongoing reporting to the new method. After the initial load of business has been added to the DMV system, DMV will notify the insurance company contact. You are then officially certified and doing business with the Oregon DMV ALIR program as a trading partner.

5.1 Steps to Conduct the EDI Test

These steps will be conducted with those companies reporting via EDI. All the steps are conducted in a timely manner, most the same day or next day.

1. DMV has contracted with AT & T Global to complete the connectivity testing and transaction set testing for users of EDI transmission. This will be scheduled with the AT & T Global representative you are working with.

    The insurance company will complete the connectivity testing with AT & T Global. This will test your electronic connection to the network system and verify your mailbox is functioning properly.

2. The insurance company will complete the transaction set testing with AT & T Global. AT & T Global will determine that your data is formatted correctly to the Transaction set 811 document.

4. DMV and the insurance company will then schedule the data validation test.

5. The insurance company will transmit an initial validation test case file to DMV's mailbox using test cases representative of the insurance company's type of business, actual records extracted from the company's data. The EDI file must contain a mix of approximately 1,000 records. See <u>Section 5.4</u> for a list of possible test cases. If you experience a delay and the file cannot be transmitted, contact the DMV technical contact immediately.

6. DMV will also review the results of the file processing and determine whether the level of accepted records is sufficient. DMV will notify the insurance company whether the test was sufficient by calling the technical and business contacts. If the test is sufficient, the insurance company processes the error messages and transmits error corrections.

    The test will be acceptable if:

    a. Ninety percent of the test records process as expected, meaning that the expected results described in the examples of test cases are achieved and,

    b. The returned errors are corrected and returned to DMV successfully.

    If there are no data errors returned during the EDI test an additional test will need to occur to test your error processing.

    Test files must contain records that represent your type of business. The insurance company is not expected to submit test cases that are not representative of the type of business conducted. For example, if your company does not write non-vehicle specific policies, it is not necessary to submit test cases for those policies. A list of possible test cases can be found in <u>Section 5.4.</u>

7. If the test is not sufficient, the insurance company will transmit a second file and repeat the process.

5.2   Steps to Conduct the Diskette Test

Those companies that will be loading their book of business and/or reporting via diskette will conduct the diskette test prior to be certified. A company sending their initial load on diskette but reporting EDI must pass EDI testing before DMV will process their load. All the steps are conducted in a timely manner, most the same day or next day. Your load diskette may be used as your test diskette as well, however if it does not pass testing, the processing of your load will be delayed.

1. Insurance company calls DMV Driver Records Unit to notify the diskette will be sent. Also please notify DMV if you experience a delay and the diskette cannot be sent as arranged.

2. Insurance company sends the initial test diskette to DMV.

3. DMV will receive the diskette and conduct the test.

4. DMV will then review the results of the diskette processing and determine whether the test was sufficient.

The test will be acceptable if 90% of the test records process as expected, meaning that the expected results described in the examples of test cases are achieved.

Test files must contain records that represent your type of business. The insurance company is not expected to submit test cases that are not representative of the type of business conducted. For example, if your company does not write non-vehicle specific policies, it is not necessary to submit test cases for those policies. A list of possible test cases can be found in Section 5.4.

5. DMV Driver Records Unit will notify the insurance company whether the test was sufficient.

6. If the test is not sufficient, the insurance company will send a second diskette and repeat the process.

5.3 Test Cases

The following are suggested test cases. These will exercise valid conditions and most error conditions.

Case No.	Case Description	Expected Result
1	Policy Type = 'V' Transaction type = 'NBS' Policy number = anything but spaces Effective date = valid date in the current year Termination date = spaces Insured Date of Birth = spaces Person or Org indicator = '1' Insured last name = anything but spaces Insured first name = anything Insured middle name = anything Insured customer id = anything Customer id jurisdiction = anything Insured address = anything but spaces Insured city = anything but spaces Insured state = valid state code Insured ZIP = anything Insured VIN = valid VIN Insured vehicle year = correct year for the VIN Insured make = correct make for the VIN Vehicle plate = anything	Valid record written to ALIR file. No errors.

2	Test case with an invalid Policy Type: Policy Type = 'X' Transaction type = 'NBS' Policy number = anything but spaces Effective date = valid date in the current year Termination date = spaces Insured Date of Birth = spaces Person or Org indicator = '1' Insured last name = anything but spaces Insured first name = anything Insured middle name = anything Insured customer id = anything Customer id jurisdiction = anything Insured address = anything but spaces Insured city = anything but spaces Insured state = valid state code Insured ZIP = anything Insured VIN = valid VIN Insured vehicle year = correct year for the VIN Insured make = correct make for the VIN Vehicle plate = anything	Record rejected with error code of E107 - invalid Policy Type
3	Test case with an invalid Transaction Type: Policy Type = 'V' Transaction type = 'XYZ' Policy number = anything but spaces Effective date = valid date in the current year Termination date = spaces Insured Date of Birth = spaces Person or Org indicator = '1' Insured last name = anything but spaces Insured first name = anything Insured middle name = anything Insured customer id = anything Customer id jurisdiction = anything Insured address = anything but spaces Insured city = anything but spaces Insured state = valid state code Insured ZIP = anything Insured VIN = valid VIN Insured vehicle year = correct year for the VIN Insured make = correct make for the VIN Vehicle plate = anything	Record rejected, error E075 - invalid transaction type.

4	Test case for invalid Policy Number: Policy Type = 'V' Transaction type = 'NBS' Policy number = spaces Effective date = valid date in the current year Termination date = spaces Insured Date of Birth = spaces Person or Org indicator = '1' Insured last name = anything but spaces Insured first name = anything Insured middle name = anything Insured customer id = anything Customer id jurisdiction = anything Insured address = anything but spaces Insured city = anything but spaces Insured state = valid state code Insured ZIP = anything Insured VIN = valid VIN Insured vehicle year = correct year for the VIN Insured make = correct make for the VIN Vehicle plate = anything	Record rejected, error E085 - invalid policy number
5	Test case for invalid Effective Date: Policy Type = 'V' Transaction type = 'NBS' Policy number = anything but spaces Effective date = invalid date Termination date = spaces Insured Date of Birth = spaces Person or Org indicator = '1' Insured last name = anything but spaces Insured first name = anything Insured middle name = anything Insured customer id = anything Customer id jurisdiction = anything Insured address = anything but spaces Insured city = anything but spaces Insured state = valid state code Insured ZIP = anything Insured VIN = valid VIN Insured vehicle year = correct year for the VIN Insured make = correct make for the VIN Vehicle plate = anything	Record rejected with error 115 - invalid effective date

| 6 | Test case for invalid Termination Date:

Policy Type = 'V'
Transaction type = 'NBS'
Policy number = anything but spaces
Effective date = valid date in the current year
Termination date = valid date
Insured Date of Birth = spaces
Person or Org indicator = '1'
Insured last name = anything but spaces
Insured first name = anything
Insured middle name = anything
Insured customer id = anything
Customer id jurisdiction = anything
Insured address = anything but spaces
Insured city = anything but spaces
Insured state = valid state code
Insured ZIP = anything
Insured VIN = valid VIN
Insured vehicle year = correct year for the VIN
Insured make = correct make for the VIN
Vehicle plate = anything | Record rejected with error E125 - invalid termination date. Should be spaces for an 'NBS' transaction type |
| 7 | Test case for invalid Person Or Organization Indicator:

Policy Type = 'V'
Transaction type = 'NBS'
Policy number = anything but spaces
Effective date = valid date in the current year
Termination date = spaces
Insured Date of Birth = spaces
Person or Org indicator = '3'
Insured last name = anything but spaces
Insured first name = anything
Insured middle name = anything
Insured customer id = anything
Customer id jurisdiction = anything
Insured address = anything but spaces
Insured city = anything but spaces
Insured state = valid state code
Insured ZIP = anything
Insured VIN = valid VIN
Insured vehicle year = correct year for the VIN
Insured make = correct make for the VIN
Vehicle plate = anything | Record rejected with error E018 - invalid Person or Org indicator |

8	Test case for invalid Last Name: Policy Type = 'V' Transaction type = 'NBS' Policy number = anything but spaces Effective date = valid date in the current year Termination date = spaces Insured Date of Birth = spaces Person or Org indicator = '1' Insured last name = spaces Insured first name = anything Insured middle name = anything Insured customer id = anything Customer id jurisdiction = anything Insured address = anything but spaces Insured city = anything but spaces Insured state = valid state code Insured ZIP = anything Insured VIN = valid VIN Insured vehicle year = correct year for the VIN Insured make = correct make for the VIN Vehicle plate = anything	Record rejected with error E020 - invalid last name.
9	Test case for invalid Address: Policy Type = 'V' Transaction type = 'NBS' Policy number = anything but spaces Effective date = valid date in the current year Termination date = spaces Insured Date of Birth = spaces Person or Org indicator = '1' Insured last name = anything but spaces Insured first name = anything Insured middle name = anything Insured customer id = anything Customer id jurisdiction = anything Insured address = spaces Insured city = anything but spaces Insured state = valid state code Insured ZIP = anything Insured VIN = valid VIN Insured vehicle year = correct year for the VIN Insured make = correct make for the VIN Vehicle plate = anything	Record rejected with error E050 - invalid address

10	Test case for invalid City: Policy Type = 'V' Transaction type = 'NBS' Policy number = anything but spaces Effective date = valid date in the current year Termination date = spaces Insured Date of Birth = spaces Person or Org indicator = '1' Insured last name = anything but spaces Insured first name = anything Insured middle name = anything Insured customer id = anything Customer id jurisdiction = anything Insured address = anything but spaces Insured city = spaces Insured state = valid state code Insured ZIP = anything Insured VIN = valid VIN Insured vehicle year = correct year for the VIN Insured make = correct make for the VIN Vehicle plate = anything	Record rejected with error E055 - invalid city
11	Test case for invalid State: Policy Type = 'V' Transaction type = 'NBS' Policy number = anything but spaces Effective date = valid date in the current year Termination date = spaces Insured Date of Birth = spaces Person or Org indicator = '1' Insured last name = anything but spaces Insured first name = anything Insured middle name = anything Insured customer id = anything Customer id jurisdiction = anything Insured address = anything but spaces Insured city = anything but spaces Insured state = 'XX' Insured ZIP = anything Insured VIN = valid VIN Insured vehicle year = correct year for the VIN Insured make = correct make for the VIN Vehicle plate = anything	Record rejected with error E060 - invalid state

12	Test case for invalid VIN:	Record rejected with error E200 - invalid VIN
	Policy Type = 'V' Transaction type = 'NBS' Policy number = anything but spaces Effective date = valid date in the current year Termination date = spaces Insured Date of Birth = spaces Person or Org indicator = '1' Insured last name = anything but spaces Insured first name = anything Insured middle name = anything Insured customer id = anything Customer id jurisdiction = anything Insured address = anything but spaces Insured city = anything but spaces Insured state = valid state code Insured ZIP = anything Insured VIN = 'TEST' Insured vehicle year = 1981 Insured make = 'TEST' Vehicle plate = anything	
13	Test case for invalid match combination due to mismatching Year:	Rejected with error E281 - mismatched on year
	Policy Type = 'V' Transaction type = 'NBS' Policy number = anything but spaces Effective date = valid date in the current year Termination date = spaces Insured Date of Birth = spaces Person or Org indicator = '1' Insured last name = anything but spaces Insured first name = anything Insured middle name = anything Insured customer id = anything Customer id jurisdiction = anything Insured address = anything but spaces Insured city = anything but spaces Insured state = valid state code Insured ZIP = anything Insured VIN = valid VIN for year 2000 Insured vehicle year = 1995 Insured make = correct make for the VIN Vehicle plate = anything	

14	Test case for invalid match combination due to mismatching Make: Policy Type = 'V' Transaction type = 'NBS' Policy number = anything but spaces Effective date = valid date in the current year Termination date = spaces Insured Date of Birth = spaces Person or Org indicator = '1' Insured last name = anything but spaces Insured first name = anything Insured middle name = anything Insured customer id = anything Customer id jurisdiction = anything Insured address = anything but spaces Insured city = anything but spaces Insured state = valid state code Insured ZIP = anything Insured VIN = valid VIN for a FORD make Insured vehicle year = correct year for the VIN Insured make = 'CHEV' Vehicle plate = anything	Rejected with error E282 - mismatch on make
15	Test case for invalid match combination due to mismatching Year and Make: Policy Type = 'V' Transaction type = 'NBS' Policy number = anything but spaces Effective date = valid date in the current year Termination date = spaces Insured Date of Birth = spaces Person or Org indicator = '1' Insured last name = anything but spaces Insured first name = anything Insured middle name = anything Insured customer id = anything Customer id jurisdiction = anything Insured address = anything but spaces Insured city = anything but spaces Insured state = valid state code Insured ZIP = anything Insured VIN = valid VIN for a 2000 FORD Insured vehicle year = 1995 Insured make = CHEV Vehicle plate = anything	Rejected with error E283 - year and make mismatch

16	Test case for an invalid Year: Policy Type = 'V' Transaction type = 'NBS' Policy number = anything but spaces Effective date = valid date in the current year Termination date = spaces Insured Date of Birth = spaces Person or Org indicator = '1' Insured last name = anything but spaces Insured first name = anything Insured middle name = anything Insured customer id = anything Customer id jurisdiction = anything Insured address = anything but spaces Insured city = anything but spaces Insured state = valid state code Insured ZIP = anything Insured VIN = valid VIN Insured vehicle year = 1800 Insured make = correct make for the VIN Vehicle plate = anything	Rejected with error E220 - invalid year
17	Test case for an invalid Make: Policy Type = 'V' Transaction type = 'NBS' Policy number = anything but spaces Effective date = valid date in the current year Termination date = spaces Insured Date of Birth = spaces Person or Org indicator = '1' Insured last name = anything but spaces Insured first name = anything Insured middle name = anything Insured customer id = anything Customer id jurisdiction = anything Insured address = anything but spaces Insured city = anything but spaces Insured state = valid state code Insured ZIP = anything Insured VIN = valid VIN Insured vehicle year = correct year for the VIN Insured make = XYZ Vehicle plate = anything	Rejected with error E205 - invalid make

| 18 | Test case for an invalid Termination Date:

Policy Type = 'V'
Transaction type = 'XLC'
Policy number = anything but spaces
Effective date = anything
Termination date = spaces
Insured Date of Birth = spaces
Person or Org indicator = '1'
Insured last name = anything but spaces
Insured first name = anything
Insured middle name = anything
Insured customer id = anything
Customer id jurisdiction = anything
Insured address = anything but spaces
Insured city = anything but spaces
Insured state = valid state code
Insured ZIP = anything
Insured VIN = valid VIN
Insured vehicle year = correct year for the VIN
Insured make = correct make for the VIN
Vehicle plate = anything | Rejected with error E125 - invalid termination date. |
| | | |

6   Data Element Specifications

DMV has defined particular data elements out of the ANSI ASC X12 Standard, Transaction Set 811, Release 003050 Version 3.0 implementation guide to be transmitted by the insurer. An insurer may send optional data elements, however DMV will discard and not validate these elements.

This section includes a definition and the validation rules of each data element. This includes data dependencies and clarification of values used for some data elements. Some data elements defined will not be validated or reported in the diskette or paper format. See Section 5.3 for a detailed list of elements required for these reporting methods.

Data element validation rules may require DMV to reject the entire transaction or a single record. Validation rules require the data element be present and in proper format. The data elements are either required by statute or administrative. All errors require record corrections and resubmission of the record to DMV.

DMV will retain records in the insurance database which pass all validation rules, and which match a DMV vehicle record. Match is by VIN, first three letters of the vehicle make, and vehicle year. If all three elements match, the record is retained in the insurance database. If VIN matches, but make and/or year mismatch, the record is returned in error to be corrected and resubmitted. If none of the three elements match, the record is placed in a hold file. Each day all records on the hold file are passed through the match process again. DMV's match process will continue to search for a newly processed vehicle record for a match for a period of 90 days. This search will allow for the necessary time needed for possible new vehicle title/registrations to be entered into the DMV database. If no match is found after 90 days, the record is returned in error.

Translation errors due to invalid content can be avoided if a sender ensures that the data elements sent meet the standards. The following are examples of EDI data standards:

- Dates are all numeric characters and are valid according to a calendar
- Alphanumeric data elements contain only UPPERCASE letters, numerals, spaces, and certain special characters
- Related elements are either both present or both absent.

6.1   Data Element Definitions and Validation Rules

Insurance Company Number   This is the NAIC number that identifies each insurance company. The NAIC number is added to a table in DMV's computer when each company's load is processed. If the insurance company is not in the table, the entire transaction set will be rejected.

Submission Date   This is the date that the insurance company submits the transaction to DMV. For EDI reporting, this will be the date the 811 transaction set is submitted. For diskette reporting, this insurance company should use the date the diskette will be sent to DMV as the submission date. For paper reporting, DMV will use the date the forms are received in the mail.

This will be validated to be a real date. If a date is not present or is not valid, DMV will reject the entire transaction set.   The insurer will need to correct the date and resubmit the transaction set.

Sender ID This is the NAIC number if the sender is an insurance company. It is the tax identification number if the sender is a service bureau. Each insurance company certified as a trading partner with DMV is identified in a table in DMV's computer. If the insurance company has not been certified as a trading partner, and therefore is not in the table, the entire transaction set will be rejected.

Policy Type This is an indicator that distinguishes policy types:

V	Vehicle-specific
NF	Not vehicle-specific (Fleet)
NO	Not vehicle-specific (Operator)
NS	Not Vehicle-specific

A vehicle specific policy lists individual vehicles. A non-vehicle specific policy is one which does not identify individual insured vehicles. A vehicle specific policy must contain the vehicle data elements VIN, vehicle year, and vehicle make. If it does not, the record will be rejected.

Whether a policy is reported as vehicle specific or non-vehicle specific depends on how the policy is written. If a policy covers specific vehicles, it must be reported as vehicle specific.

Transaction Type This code will determine how we process the record. There are three acceptable codes handled by the Oregon system:

NBS (New Business)	Processed as New
XLC (Cancellation)	Processed as Termination
LOD (Load)	Processed at the time of the load. **Note: This transaction code CANNOT be used after the initial load has been accepted.**

The use of any other transaction type will cause the record to reject.

Policy Number This is the insurance policy number. It is a required data element. If a policy number changes, the previously submitted policy must be terminated and a new business record submitted with the new policy number. DMV will validate this data element and requires an exact match on terminations in order to avoid terminating the wrong policy and creating future problems for the customer.

If your company changes policy numbers at renewal and can manage a tracking process of the original number or uses some other numbering method to ensure terminations include the original policy number, a termination and new business record will not have to be sent at each renewal.

Policy Effective Date   This is the date that the insurance coverage takes effect. This date must be included on all new business transactions (NBS) and load transactions (LOD). If the date is not present for either of these transaction types, DMV will reject the record. If the date is greater than one year into the future, DMV will reject the record.

If DMV should receive an effective date on a termination code 'XLC' the effective date will be ignored and the transaction will continue to process.

Policy Termination Date This is the date that the insurance coverage is no longer effective. This date must be included on all termination (XLC) records. If the date is not present DMV will reject the transaction. If DMV receives a termination date on a new business policy code (NBS) or load (LOD) even if the date is zero filled, DMV will reject the record.

Because Oregon does not accept reinstatement (REI) as a transaction type, the termination date must include all lapses of coverage periods including grace periods, etc.

Person/Organization Indicator This is an indicator that distinguishes an individual person from a non-person, such as an organization. DMV will use this data element to validate the presence of other data elements. If the data element is not present DMV will reject the transaction. The valid indicators are '1' for person, '2' for organization.

Last Name Depending on the type of entity, this is the last name of the primary insured if the insured is a person, or the name of an organization. This element is mandatory. If the data element is not present, DMV will reject the transaction.

First Name   This is the first name of the primary insured if the insured is a person. This field is optional. This field is left blank if the insured is an organization.

Middle Name This is the middle name of the primary insured if the insured is a person. This field is optional.   This field is left blank if the insured is an organization.

Date of Birth This is the date of birth of the primary insured. If a date of birth is blank on a vehicle specific policy type, DMV will not reject the record. Date of Birth is required on any non-vehicle specific policy when the insured is a person. If a date should be received on an organization it will be accepted.

Customer ID Number This is the primary insured's driver license number, identification card number, permit number, or DMV customer number.   It is optional.

For those policies that are vehicle specific DMV will not validate the Customer ID Number.

Customer ID Number Jurisdiction   This is the code for the jurisdiction that issued the Customer ID Number to the insured.   It is optional.

Address This is the address of the insured. If the data element is not present, DMV will reject the record.

City   This is the city for the address of the insured. If the data element is not present, DMV will reject the record.

State This is the state for the address of the insured. If the data element is not present or does not pass the code table, DMV will reject the record.

ZIP Code   This is the ZIP code for the address of the insured. It is optional.

VIN   This is the vehicle identification number. If the policy type is vehicle specific, this data element must be included or DMV will reject the record. If there is vehicle data, the policy type must be vehicle specific.

Include the full VIN for vehicles.

The VIN for vehicles with vehicle year of 1981 and after will be passed through the VINA software package. If an error occurs, DMV will reject the transaction.

If you would like more information on the R.L. Polk VINA Software Package DMV uses, you may visit R. L. Polk's website at http://www.polk.com/products/vina.asp.

If an insurer determines the wrong vehicle identification number was transmitted, therefore matching to the wrong record, the insurer is expected to send in a termination transaction on the wrong vehicle record and a new business transaction with the correct vehicle record.

If the insurer receives error code E200, the insurer should first check with their customer to verify that the VIN on the customer's vehicle matches the policy. If the policy and actual vehicle shows the same VIN, contact DMV Driver Records Unit at (503) 945-5033.

Vehicle Year This is the year of the vehicle. If the policy type is vehicle specific, this data element must be present or DMV will reject the record. If any policy type data element other than vehicle specific is present, and the vehicle year is included, DMV will reject the record. If there is vehicle data, the policy type must be vehicle specific.

Vehicle Make This is the make of the vehicle. If the policy type is vehicle specific, this data element must be present or DMV will reject the record. If the policy is non vehicle specific, DMV will reject the record. If there is vehicle data, the policy type must be vehicle specific.

Data specifications require the make to be formatted into an NCIC make. The make will be passed through the NCIC make table.

The NCIC list is available at http://www.leds.state.or.us/OSP/CJIS/docs/NCIC_Vehicle_Codes.pdf

Vehicle Plate This is the Oregon vehicle plate number. It is optional.

6.2   997 Oregon Usage for Auto Liability Insurance Reporting Error Return

Some types of errors in an 811 document may be detected in the translation process. These errors prevent the data from being processed any further by our system. Indications of these errors are returned to the sender in the 997 Functional Acknowledgment, rather than in an 811 returned by our validation process. If any error is returned in the 997, this means that the entire transaction set was rejected and no records were processed.

If a company's data is structured (mapped) correctly to follow the EDI standard, there is no problem; DMV will receive it and process it through the translator. Translation errors due to invalid content can be avoided if a sender ensures the data elements they send meet the standards. The following are examples of EDI data standards:

- Dates are all numeric characters and are valid according to a calendar
- Alphanumeric data elements contain only UPPERCASE letters, numerals, spaces, and certain special characters
- Related elements are both present or both absent.

The X12 standards define the majority of the data element edits. Oregon DMV has added some edit criteria to the translator software. The Oregon error codes and their associated text messages are listed in the table below, along with the meaning of the error condition and the location in the 811 of the data element which caused the error:

Code	Text	Meaning	Location in 811
90	Invalid Sender Qualifier	Code which defines the type of sender is not valid. The value must either be "IN" for an Insurance Company sender, or "SQ" for a Service Bureau sender.	Table 1, occurrence 1 of the N1 segment, element N101
91	Unk Sender	Sender is an Insurance Company, but Oregon does not recognize its NAIC Code.	Table 1, occurrence 1 of the N1 segment, element N104
92	Unk Sender	Sender is a Service Bureau, but Oregon does not recognize its Federal Tax ID.	Table 1, occurrence 1 of the N1 segment, element N104
93	Invalid Recipient Name	Recipient's name is not "Oregon DMV ALIR".	Table 1, occurrence 2 of the N1 segment, element N102
94	Invalid NAIC Code	The NAIC Code for the insurer (not the sender) is not known to Oregon.	Table 2, level 1, NM1 segment, element NM109
95	Invalid Submission Date	The submission date for the document is not valid; it is either not present or is a date in the future.	Table 2, level 1, IT1 loop, DTM segment, element DTM02
96	Invalid Submission Century	The century of the submission date for the document is not valid; it is either not present or is not "20".	Table 2, level 1, IT1 loop, DTM segment, element DTM05
97	Invalid Recipient State Code	The recipient State is not "OR"	Table 2, level 2, NM1 segment, element NM103

6.3 Error Codes and Messages

The following table of errors codes is used by Oregon DMV to notify the insurer of a problem in the data. Error reporting requires DMV to return the original data record sent by the insurer along with a segment including an error code. Only records with errors are returned to the insurer.

An "E" indicates an edit error due to missing or invalid information in one or more of the data fields. The record is rejected and DMV has not filed the data in the insurance database.

FE 4.6.54		Error Entity Values		
Table	**Level**	**Error Type**	**Error Code**	**Description**
2	4	E	018	Person or Organization Indicator
2	4	E	020	Insured last name
2	4	E	050	Insured street address
2	4	E	055	Insured city address
2	4	E	060	Insured state code
2	4	E	075	Transaction type code
2	4	E	085	Insurance policy or binder number
2	4	E	107	Policy Type Indicator
2	4	E	115	Policy effective date
2	4	E	125	Policy termination date
2	5	E	200	Vehicle identification number
2	5	E	205	Vehicle make
2	5	E	220	Vehicle year
2	5	E	230	No policy was found for an 'XLC' transaction, or the term date of the 'XLC' transaction is less than the effective date of the existing record.
2	5	E	281	VIN and make matched a DMV vehicle record, but year did not.
2	5	E	282	VIN and year matched a DMV vehicle record, but make did not.
2	5	E	283	VIN matched a DMV vehicle record, but year and make did not.
2	5	E	284	VIN matched a DMV vehicle record, but year and/or make did not.
2	5	E	285	VIN did not match a DMV vehicle record after 90 days of attempted matching in Oregon. Other states list this error message as a zip code error.

6.4 Criteria for Editing ALIR Data

The following table shows the data elements which are examined by DMV-written edit criteria in the translator. DMV will reject the entire transaction if this data does not meet the edit criteria. Transaction rejection requires the insurance company to correct the data and resubmit the message. These are fixed data elements for each trading partner and rejections should not occur. After data has passed the translator edits it is then passed through a DMV developed validation.

EDI Header Information – ST, BIG and NM1 Segments

Data Element	M/O/X *	Translator Edit Criteria	Error Code
Sender ID Qualifier	M	'IN' or 'SQ'	90
Sender ID	M	Valid in table	91 or 92
Recipient Name	M	'OREGON DMV ALIR'	93
NAIC Code	M	Valid in table	94
Submission Date	M	Valid date, not in future	95 or 96
Recipient State	M	'OR'	97

This second table identifies specific data elements where the edits occur in the DMV validator program. Notice that many elements are dependent upon the use of other elements.

Data Element	M/O/X *	DMV Validator Edit Criteria	Error Code	DMV Action (if data does not meet edit criteria)	Insurance Company Action
Policy Type Indicator	M	• Present • Equal to 'V', 'NF', 'NO' or 'NS'	E107	• Record rejected • Record rejected	• Resubmit with data element • Verify data element, correct and resubmit
Transaction Type	M	• Present • Equal to 'NBS', 'XLC', or 'LOD' • Policy exists on DMV records for an 'XLC' transaction.	E075 E230	• Record rejected • Record rejected • Record rejected	• Resubmit with data element • Verify data element, correct and resubmit • Verify data element, correct and resubmit
Policy Number	M	Present	E085	Record rejected	Complete data element and resubmit
Policy Effective Date	X	Present if transaction type equals 'NBS' or	E115	Record rejected	Verify transaction type, resubmit with data element

Data Element	M/O/X *	DMV Validator Edit Criteria	Error Code	DMV Action (if data does not meet edit criteria)	Insurance Company Action
		'LOD'			
Policy Termination Date	X	Present if transaction type equals 'XLC' Absent if transaction type equals 'NBS' or 'LOD'	E125 E125	Record rejected Record rejected	Verify transaction type, correct and resubmit
Person/ Organization Indicator	M	• Present • Equals '1' or '2'	E018	Record rejected	Complete data element and resubmit
Date of Birth	X	Not validated.	N/A	No action	No action

* M=mandatory, O=optional, X=dependent upon the presence of another data element

Data Element	M/O/X *	DMV Validator Edit Criteria	Error Code	DMV Action (if data does not meet edit criteria)	Insurance Company Action
Last Name	M	Present	E020	Record rejected	Complete data element and resubmit
First Name	O	Optional field	N/A	No action	No action
Middle Name	O	Optional field	N/A	No action	No action
Customer ID Number	X	Not validated	N/A	No action	No action
Customer ID Number Jurisdiction (state issuing customer ID number)	X	Not validated	N/A	No action	No action
Address	M	Present	E050	Record rejected	Complete data element and resubmit
City	M	Present	E055	Record rejected	Complete data element and resubmit
State	M	Present Valid in table	E060	Record rejected Record rejected	Complete data element and resubmit Verify state code, correct and resubmit
ZIP Code	O	None	N/A	No action	No action

• M=mandatory, O=optional, X=dependent upon the presence of another data element

Data Element	M/O/X *	DMV Validator Edit Criteria	Error Code	DMV Action (if data does not meet edit criteria)	Insurance Company Action
VIN, when Policy Type = 'V' When Vehicle Year > 1980 All VINs	X	Present VIN must be valid according to R.L. Polk's VINA program. VIN, Make, and Year match a record on DMV's files VIN and Year match, Make mismatches VIN and Make match, Year mismatches VIN matches, Make and Year mismatch VIN matches, Make OR Year mismatch, but DMV can't determine which.	E200 E200 E285 E282 E281 E283 E284	Record rejected Record rejected Rematch attempted daily. Record rejected after 90 days of receive date if no match found. Record rejected immediately Record rejected immediately Record rejected immediately Record rejected immediately	Verify policy type element, correct and/or complete data element and resubmit
Vehicle Year	X	Present if Policy Type equals 'V'	E220	Record rejected	Verify policy type element and Year, correct and resubmit
Vehicle Make	X	Present if Policy Type equals 'V'	E205	Record rejected	Verify policy type element and vehicle make, correct and resubmit
Vehicle Plate	O	Optional field	N/A	No action	No action

6.5   Data Record Definitions

This data is more detailed in Appendix A.

Description	M/O/X *	Type	Length	Segment	M/O/X
FE4.6.50 - Control Entity				**X12-811**	Table 1 Level 1-2
Ins Co. Number (NAIC)	M	AN	20	NM109	M
Submission Date	M	DT	2	DTM05	O
	M	DT	6	DTM02	M
Sender ID (Table 1)	M	AN	20	N104	M
Sender ID Qualifier (Table 1)	M	AN	2	N101	M

* M=mandatory, O=optional, X=dependent upon the presence of another data element

FE4.6.51 - Policy Entity				X12-811	Level 4
Policy Type (Owner, Operator)	M	AN	2	REF03 (AN, S3)	O
Transaction Type (new, term)	M	AN	3	SI03	M
Policy Number reference	M	AN	2	REF01 (S3, IG)	M
Policy Number	M	AN	30	REF02 (S3, IG)	X
Policy Effective Date CC	X	DT	2	DTM05 (007)	O
Policy Effective Date YYMMDD	X	DT	6	DTM02 (007)	O
Policy Termination Date CC	X	DT	2	DTM05 (036)	O
Policy Termination Date YYMMDD	X	DT	6	DTM02 (036)	O
FE4.6.52 - Vehicle Entity Present for vehicle specific policies)				X12-811	Level 5
Date of Birth (Insured's) CC	X	DT	2	DTM05 (222)	O
Date of Birth (Insured's) YYMMDD	O	DT	6	DTM02 (222)	O
Person / Organization indicator (new)	M	AN	2	NM102	M
Last Name (or Company name)	M	AN	35	NM103	M
First Name	O	A	20	NM104	O
Middle Initial	O	A	20	NM105	O
Customer ID # (ODL#, ID Card#.)	X	AN	25	NM109	O
Customer ID # Jurisdiction	X	A	2	REF03	O
Address	M	AN	35	N301	M
City	M	AN	30	N401	M
State	M	AN	2	N402	M
Zip Code	O	AN	5	N403	O
FE4.6.53 - Vehicle Entity				X12-811	Table 1 Level 1-2
VIN (entire alphanumeric)	M	AN	17	VEH02	M
Vehicle Year CC	M	N2	2	VEH04	O
Vehicle Year YY	M	N2	2	VEH03	M
Vehicle Make	M	AN	5	VEH06	M
Vehicle Plate	O	AN	7	REF02	O

* M=mandatory, O=optional, X=dependent upon the presence of another data element

FE4.6.54 - Error Entity				X12-811	Level 4-5
Table, Level Number & Segment Type[1]	M	AN	5	NA	NA
Error Type	M	AN	1	REF02	M
Error Code	M	N3	3	REF02	O
FE4.6.54 - Error Segment For Control Entity				**X12-811**	Table 1 Level 1-2
Table, Level Number & Segment Type[2]	M	AN	5	NA	NA
Ins Co. Number (NAIC)	M	AN	20	NM109	M
Submission Date CC	M	DT	2	DTM05	O
Submission Date YYMMDD	M	DT	6	DTM02	M
Sender ID (Table 1)	M	AN	20	N104	M
FE4.6.54 - Error Segment For Policy Entity				**X12-811**	Level 4
Table, Level Number & Segment Type[3]	M	AN	5	NA	NA
Policy Type (Owner, Operator)	M	AN	2	REF03 (AN, S3)	O
Transaction Type (new, term)	M	AN	3	SI03	M
Policy Number Reference	M	AN	2	REF01 (S3, IG)	M
Policy Number	M	AN	30	REF02 (S3, IG)	X
Policy Effective Date CC	X	DT	2	DTM05 (007)	O
Policy Effective Date YYMMDD	X	DT	6	DTM02 (007)	O
Policy Termination Date CC	X	DT	2	DTM05 (036)	O
Policy Termination Date YYMMDD	X	DT	6	DTM02 (036)	O

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[1] Valid codes are T2L4E or T2L5E.
[2] Valid code is T1bbb
[3] Valid code is T2L4P.

Description	M/O/X	Type	Length	Segment	M/O/X
FE4.6.54 - Error Segment For Insured Entity				**X12-811**	Level 4
Table, Level Number & Segment Type[4]	M	AN	5	NA	NA
Date of Birth (Insured's) CC	X	DT	2	DTM05 (222)	O
Date of Birth (Insured's) YYMMDD	O	DT	6	DTM02 (222)	O
Person / Organization indicator (new)	M	AN	2	NM102	M
Last Name (or Company name)	M	AN	36	NM103	M
First Name	O	A	20	NM104	O
Middle Initial	O	A	20	NM105	O

* M=mandatory, O=optional, X=dependent upon the presence of another data element

Description	M/O/X	Type	Length	Segment	M/O/X
Customer ID # (ODL#, ID Card#..)	O	AN	25	NM109	O
Customer ID # Jurisdiction	O	A	2	REF03	O
Address	M	AN	36	N301	M
City	M	AN	30	N401	M
Zip Code	O	AN	5	N403	O
State	M	AN	2	N402	M
FE4.6.54 - Error Segment For Vehicle- Entity				**X12-811**	Level 5
Table, Level Number & Segment Type[5]	M	AN	5	NA	NA
VIN (entire alphanumeric)	M	AN	17	VEH02	M
Vehicle Year CC	M	N2	2	VEH04	O
Vehicle Year YY	M	N2	2	VEH03	M
Vehicle Make	M	AN	5	VEH06	M
Vehicle Plate	O	AN	7	REF02	O

* M=mandatory, O=optional, X=dependent upon the presence of another data element

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[4] Valid code is T2L4I.
[5] Valid code is T2L5V.

7   Glossary

The following is a list of definitions and acronyms used throughout the Oregon ALIR Reporting Instruction Manual. These definitions are intended to help clarify the terms used.

AAMVA: American Association of Motor Vehicle Administrators. AAMVA is a voluntary, nonprofit, tax-exempt, educational organization of state and provincial officials in the United States and Canada responsible for the administration and enforcement of laws pertaining to the motor vehicle and its use.

AAMVAnet: A network established by AAMVA to provide cost effective communication networks.

ALIR: Automobile Liability Insurance Reporting. Oregon has adopted this term from X12 for use in its mandatory insurance reporting law.

ANSI ASC X12: The American National Standards Institute (ANSI), Accredited Standards Committee (ASC) X12. These are universal standards to enable all organizations to use a single agency (X12) to develop and maintain transaction sets.

DataInterchange: The software package DMV uses to format and translate X-12 data.

DMV: The Driver and Motor Vehicle Services Branch of the Oregon Department of Transportation.

EDI: Electronic Data Interchange is computer to computer transmission of business data in a standard format. Information can be exchanged within minutes or hours.

Error: This is an error that rejects the insurance company record or transaction set. The error must be corrected and the transaction resubmitted.

Hard Error: see Error.

Information Exchange Mailbox (IE): A unique "address" that provides an insurance company with the ability to receive and send information from trading partners.

IVANS: Insurance Value-Added Network Services. An insurance industry cooperative that provides communications service used by some insurance companies.

LEDS: Law Enforcement Data System. A system where law enforcement agencies are able to access DMV records for information they may need for routine traffic stops and court appearances.

Match: A match occurs when the insurance record corresponds to a vehicle record.

Message: A data file transmitted through EDI.

NAIC: The National Association of Insurance Commissioners.

NCIC: The National Crime Information Center. The NCIC standard is used for vehicle make.

No Match: A no match occurs when a vehicle record cannot be found. These are kept for 90 days while DMV continues to attempt to match the record.

Partial Match: the VIN matches one or more vehicle records and the vehicle year and/or make do not match. These are returned to the insurance company immediately.

Policy: Motor vehicle liability coverage issued by an insurer. Identified as a specific vehicle policy, operator policy or a non-vehicle specific policy.

Record: One vehicle, or one non-vehicle specific policy.

Record Reject: Insufficient or inconclusive insurance information received at DMV and is returned to insurance company for corrected information.

Trading Partner: The partnership with DMV and insurers participating in the Oregon ALIR program.

Transaction: Sometimes referred to as transaction set. A transaction contains all of the data sent or received at one time. This will usually contain more than one record.

VAN: Value Added Network. VANs are offered by many companies, and provide links among trading partners required by electronic communication functions such as EDI or e-mail.

VINA: A software package that examines a VIN to determine validity, vehicle make, model and year. Active on 1981 models and after.

Appendix A

Oregon Adaptation of ALIR Implementation Guide (TS811)

This appendix shows the Oregon adaptation of the Automobile Liability Insurance Reporting Implementation Guide (TS811). The segments and data elements defined in this document specify the data required by Oregon and the values required to build a valid 811 transaction.

TABLE 1 MAP

Segment: BIG - Beginning Segment for Invoice

Seq. No.	X12 Name	Value To Be Used
BIG01	Date	Creation date
BIG02	Invoice Number	Value "1"

N1 Loop (Occurrence 1: Sender Information)
Segment: N1 - Name

Seq. No.	X12 Name	Value To Be Used
N101	Entity ID Code	Value "IN" (Insurer) or "SQ" (Service Bureau)
N102	Name	Sender's name
N103	ID Code Qualifier	Value "NI" (NAIC code) or "FI" (Service Bureau Tax ID number)
N104	ID Code	Code from NAIC table or Tax ID number

N1 Loop (Occurrence 2: Recipient Information)
Segment: N1 - Name

Seq. No.	X12 Name	Value To Be Used
N101	Entity ID Code	Value "2F" (State)
N102	Name	Value "OREGON DMV ALIR" (Recipient's name)

TABLE 2 MAP

Segment: HL - Hierarchical Level (Level 1: Insurer)

Seq. No.	X12 Name	Value To Be Used
HL01	Hierarchical ID Number	Value "1"
HL02	Hierarchical Parent ID	Value "0" or blank
HL03	Hierarchical Level Code	Value "1"
HL04	Hierarchical Child Code	Value "1"

Segment: NM1 - Individual or Organization Name

Seq. No.	X12 Name	Value To Be Used
NM101	Entity ID Code	Value "IN" (Insurer)
NM102	Entity Type Qualifier	Value "2" (Non-person)
NM103	Last Name or Organization Name	Organization name
NM108	Identification Code Qualifier	Value "NI" (NAIC Code)
NM109	ID Code	Code from NAIC Code table

Segment: IT1 Loop - Baseline Item Data

Seq. No.	X12 Name	Value To Be Used
IT101	Assigned Identification	Not used
IT102	Quantity Invoiced	Value "1"
IT103	Unit	Value "IP"
IT104	Unit Price	Value "0"

Segment: DTM - Date/Time/Reference (Occurrence 1: Submission date)

Seq. No.	X12 Name	Value To Be Used
DTM01	Date/Time Qualifier	Value "368"
DTM02	Date	Date submitted
DTM05	Century	Century of submittal date

Segment: HL - Hierarchical Level (Level 2: Occurs once for the state)

Seq. No.	X12 Name	Value To Be Used
HL01	Hierarchical ID Number	Value "2" (If sender is a Service Bureau, this is ID of parent)
HL02	Hierarchical Parent ID	Value "1" (If sender is a Service Bureau, this is parent ID)
HL03	Hierarchical Level Code	Value "2"
HL04	Hierarchical Child Code	Value "1"

Segment: NM1 - Individual or Organization Name

Seq. No.	X12 Name	Value To Be Used
NM101	Entity ID Code	Value "2F"
NM102	Entity Type Qualifier	Value "2"
NM103	Last Name or Organization Name	Value "OR" (Oregon)

Segment: HL - Hierarchical Level (Level 4: Policy Detail)

Seq. No.	X12 Name	Value To Be Used
HL01	Hierarchical ID Number	ID number
HL02	Hierarchical Parent ID	Parent ID number
HL03	Hierarchical Level Code	Value "4"
HL04	Hierarchical Child Code	Value "1" (level 5 loops present) or "0" (no level 5 loops present)

Segment: NM1 - Individual or Organization Name

Seq. No.	X12 Name	Value To Be Used
NM101	Entity ID Code	Value "IL"
NM102	Entity Type Qualifier	Value "1" (person), "2" (non-person entity), or "3" (unknown)
NM103	Last name or organization name	Insured last name or organization name
NM104	Name First	Insured first name
NM105	Name Middle	Insured middle name
NM106	Name Prefix	Not used
NM107	Name Suffix	Not used
NM108	Identification Code Qualifier	Value "N" (NM109 is used) or blank (NM109 is not used)
NM109	ID Code	Insured driver's license number

Segment: N3 - Address Information

Seq. No.	X12 Name	Value To Be Used
N301	Address Information	Insured mailing address

Segment: N4 - Geographical Location

Seq. No.	X12 Name	Value To Be Used
N401	City Name	Insured city
N402	State or Province Code	Insured state
N403	Postal Code	Insured zip
N404	Country Code	Not used
N405	Location Qualifier	Not used
N406	Location Qualifier	Not used

Segment: IT1 - Baseline Item Data

Seq. No.	X12 Name	Value To Be Used
IT101	Assigned Identification	Not used
IT102	Quantity Invoiced	Value "1"
IT103	Unit	Value "IP"
IT104	Unit Price	Value "0"

Segment: SI - Service Characteristic Identification (Occurrence 1)

Seq. No.	X12 Name	Value To Be Used
SI01	Agency Qualifier Code	Value "ZZ"
SI02	Service Characteristic Qualifier	Value "11"
SI03	Product/Service ID	Transaction Type (from table in Appendix 7)

Segment: REF - Reference Number
Occurrence 1:

Seq. No.	X12 Name	Value To Be Used
REF01	Reference No. Qualifier	Value "IG" (Policy)
REF02	Reference Number	Policy number
REF03	Description	Not used

Occurrence 2:

Seq. No.	X12 Name	Value To Be Used
REF01	Reference No. Qualifier	Value "XM"
REF03	Description	State or province code of jurisdiction issuing driver license

Occurrence 3:

Seq. No.	X12 Name	Value To Be Used
REF01	Reference No. Qualifier	Value "S3"
REF02	Reference Number	Value "V" if (vehicle specific) or "NS" if (not vehicle-specific) or "NF" if (not-vehicle-specific, fleet) or "NO" if (not vehicle-specific, operator)

Segment: DTM - Date/Time/Reference
Occurrence 1:

Seq. No.	X12 Name	Value To Be Used
DTM01	Date/Time Qualifier	Value "222"
DTM02	Date	Insured date of birth
DTM05	Century	Insured century of birth

Occurrence 2:

Seq. No.	X12 Name	Value To Be Used
DTM01	Date/Time Qualifier	Value "007"
DTM02	Date	Policy effective date
DTM03	Time	Not used
DTM04		Not used
DTM05	Century	Century of policy effective date

Occurrence 3:

Seq. No.	X12 Name	Value To Be Used
DTM01	Date/Time Qualifier	Value "036"
DTM02	Date	Policy expiration date
DTM03	Time	Not used
DTM04		Not used
DTM05	Century	Century of policy expiration date

Segment: HL - Hierarchical Level (Level 5: Occurs once for each vehicle covered by the policy in level 4)

Seq. No.	X12 Name	Value To Be Used
HL01	Hierarchical ID Number	HL identifier
HL02	Hierarchical Parent ID	Parent identifier
HL03	Hierarchical Level Code	Value "5"
HL04	Hierarchical Child Code	Value "0"

Segment: LX - Assigned Number

Seq. No.	X12 Name	Value To Be Used
LX01	Assigned Number	Value "1"

Segment: VEH - Vehicle Information

Seq. No.	X12 Name	Value To Be Used
VEH01	Assigned Number	Vehicle occurrence on the policy
VEH02	Vehicle ID Number	Vehicle Identification Number (VIN)
VEH03	Century	Century vehicle was made
VEH04	Year within Century	Year vehicle was made
VEH05	Agency Qualifier Code	Value "NA"
VEH06	Product Description Code	Vehicle make
VEH07	Product Description Code	Not used

Segment: REF - Reference Number

Seq. No.	X12 Name	Value To Be Used
REF01	Reference No. Qualifier	Value "LV"
REF02	Reference Number	Vehicle license plate number
REF03	Description	Not used

TABLE 3 MAP

Segment: TDS - Total Monetary Value Summary

Seq. No.	X12 Name	Value To Be Used
TDS01	Total Invoice Amount	Value "1"

Segment: CTT - Transaction Totals

1 Seq N	X12 Name	Value To Be Used
CTT01	Number of Line Items	Total number of insurance policy transactions involved in this 811 transaction set

Appendix B

Oregon Usage for ALIR Reporting Error Return

811 Oregon Usage for Auto Liability Insurance Reporting Error Return

The following is the Oregon adaptation of the "Automobile Liability Insurance Reporting" implementation guide for returning errors in a received 811. The segments and data elements identified provide the data sent to Oregon along with the various assigned values required to build a valid 811 transaction and the appropriate error codes.

TABLE 1 MAP

Segment: BIG - Beginning Segment for Invoice

Seq. No.	X12 Name	Value To Be Used
BIG01	Date	Creation date
BIG02	Invoice Number	Assigned value "1"

N1 Loop (Occurrence 1: Sender Information)
Segment: N1 - Name

Seq. No.	X12 Name	Value To Be Used
N101	Entity ID Code	Qualifier "2F"
N102	Name	"OREGON DMV ALIR"
N103	ID Code Qualifier	Not used
N104	ID Code	Not used

N1 loop (Occurrence 2: Recipient Information.)
Segment: N1 - Name

Seq. No.	X12 Name	Value To Be Used
N101	Entity ID Code	Qualifier "SQ" for Service Bureau or "IN" for Insurer.
N102	Name	Receivers Name
N103	ID Code Qualifier	Qualifier "FI" for Service Bureau tax ID or "NI" for NAIC code
N104	ID Code	NAIC number or tax ID for Service Bureau from received data

TABLE 2
Level 1 (Insurer) Occurs once

Segment: H Hierarchical LevelSeq. No	X12 Name	Value To Be Used
HL01	Hierarchical ID Number	Value is "1"
HL02	Hierarchical Parent ID	Value is "0" or blank
HL03	Hierarchical Level Code	Value is "1"
HL04	Hierarchical Child Code	Value is "1"

Segment: REF - Reference Number (Present only if errors in the HL Level 1 Loop)

Seq. No.	X12 Name	Value To Be Used
REF01	Reference No. Qualifier	Value is "1Q"
REF02	Reference Number	Error code from Table 15
REF03	Description	Not used

Segment: NM1 - Individual or Organization Name

Seq. No.	X12 Name	Value To Be Used
NM101	Entity ID Code	Qualifier "IN" for insurer
NM102	Entity Type Qualifier	Qualifier "2" for non-person
NM103	Last Name or Organization Name	Name (Organization name) from table
NM108	Identification Code Qualifier	Value "NI" for NAIC code
NM109	ID Code	NAIC Code from inbound data

Segment: IT1 - Baseline Item Data

Seq. No.	X12 Name	Value To Be Used
IT101	Assigned Identification	Not used
IT102	Quantity Invoiced	Value is "1"
IT103	Unit	Value is "IP"
IT104	Unit Price	Value is "0"

Segment: DTM - Date/Time/Reference

Occurrence 1 Submission date

Seq. No.	X12 Name	Value To Be Used
DTM01	Date/Time Qualifier	Value "368"
DTM02	Date	Date submitted (From data received)
DTM03	Time	Not used
DTM05	Century	Century of submittal date (From data received)

Level 2 (State)

Segment: HL - Hierarchical Level

Seq. No.	X12 Name	Value To Be Used
HL01	Hierarchical ID Number	Value is "2".
HL02	Hierarchical Parent ID	Value is "1".
HL03	Hierarchical Level Code	Value is "2".
HL04	Hierarchical Child Code	Value is "1"

Segment: NM1 - Individual or Organization Name

Seq. No.	X12 Name	Value To Be Used
NM101	Entity ID Code	Value is "2F"
NM102	Entity Type Qualifier	Value is "2"
NM103	Last Name or Organization Name	"OREGON DMV ALIR"

Level 4 (Policy Detail)
Segment: HL - Hierarchical Level

Seq. No.	X12 Name	Value To Be Used
HL01	Hierarchical ID Number	ID number
HL02	Hierarchical Parent ID	Value is "2"
HL03	Hierarchical Level Code	Value is "4"
HL04	Hierarchical Child Code	Value is "1" (level 5 loops present) or "0" (no level 5 loops present)

Segment: LX - Assigned Number
(used when there is an error in Level 4.)

Seq. No.	X12 Name	Value To Be Used
LX01	Assigned Number	Value is '1'

Segment: REF - Reference Number

Seq. No.	X12 Name	Value To Be Used
REF01	Reference No. Qualifier	Value is "1Q"
REF02	Reference Number	Error code from Table 15
REF03	Description	Not used.

Segment: NM1 - Individual or Organization Name

Seq. No.	X12 Name	Value To Be Used
NM101	Entity ID Code	Value is "IL"
NM102	Entity Type Qualifier	Value is "1," "2," or "3" from the incoming data
NM103	Last name or organization name	Insured last name or organization name
NM104	Name First	Insured first name
NM105	Name Middle	Insured middle name
NM106	Name Prefix	Not used
NM107	Name Suffix	Not used
NM108	Identification Code Qualifier	Value is "N" if NM109 is used
NM109	ID Code	Insured drivers license number

Segment: N3 - Address Information

Seq. No.	X12 Name	Value To Be Used
N301	Address Information	Insured mail address

Segment: N4 - Geographical Location

Seq. No.	X12 Name	Value To Be Used
N401	City Name	Insured City
N402	State or Province Code	Insured State
N403	Postal Code	Insured Zip
N404	Country Code	Not used
N405	Location Qualifier	Not used
N406	Location Qualifier	Not used

Segment: IT1 - Baseline Item Data

Seq. No.	X12 Name	Value To Be Used
IT101	Assigned Identification	Not used
IT102	Quantity Invoiced	Value is "1"
IT103	Unit	Value is "IP"
IT104	Unit Price	Value is "0"

Segment: SI - Service Characteristic Identification (Occurrence 1)

Seq. No.	X12 Name	Value To Be Used
SI01	Agency Qualifier Code	Value is"ZZ"
SI02	Service Characteristic Qualifier	Value is "11"
SI03	Product/Service ID	Transaction Type from incoming data

Segment: REF - Reference Number
Occurrence 1:

Seq. No.	X12 Name	Value To Be Used
REF01	Reference No. Qualifier	Value is "IG"
REF02	Reference Number	Insurance Policy Number
REF03	Description	Not used

Occurrence 2:

Seq. No.	X12 Name	Value To Be Used
REF01	Reference No. Qualifier	Value is "XM"
REF02	Reference Number	Not used
REF03	Description	State or Province code of jurisdiction issuing driver license

Occurrence 3:

Seq. No.	X12 Name	Value To Be Used
REF01	Reference No. Qualifier	Value is "S3"
REF02	Reference Number	Not used
REF03	Description	Value is "V" for vehicle specific, "NS" for non-vehicle specific, "NF" Non-vehicle specific fleet, "NO" Non-vehicle specific operator.

Segment: DTM - Date/Time/Reference
Occurrence 1:

Seq. No.	X12 Name	Value To Be Used
DTM01	Date/Time Qualifier	Value is "222"
DTM02	Date	Insured date of Birth
DTM03	Time	Not used
DTM05	Century	Insured century of birth

Occurrence 2:

Seq. No.	X12 Name	Value To Be Used
DTM01	Date/Time Qualifier	Value is "007"
DTM02	Date	Policy effective date
DTM05	Century	Century of Policy effective date.

Occurrence 3:

Seq. No.	X12 Name	Value To Be Used
DTM01	Date/Time Qualifier	Value is "036"
DTM02	Date	Policy expiration date
DTM03	Time	Not used
DTM05	Century	Century of expiration date

Level 5: Occurs once for each vehicle covered by the policy in level 4)
Segment: HL - Hierarchical Level

Seq. No.	X12 Name	Value To Be Used
HL01	Hierarchical ID Number	HL identifier
HL02	Hierarchical Parent ID	Parent segment number
HL03	Hierarchical Level Code	Value is "5"
HL04	Hierarchical Child Code	Value is "0"

Segment: LX - Assigned Number

Seq. No.	X12 Name	Value To Be Used
LX01	Assigned Number	Value is "1"

Segment: VEH - Vehicle Information

Seq. No.	X12 Name	Value To Be Used
VEH01	Assigned Number	This data element is not used.
VEH02	Vehicle ID Number	VIN number of the vehicle
VEH03	Century	Century vehicle was made
VEH04	Year within Century	Year Vehicle was made
VEH05	Agency Qualifier Code	Value is "NA"
VEH06	Product Description Code	Vehicle make
VEH07	Product Description Code	Not used

Segment: REF - Reference Number
Occurrence 1 is used to give license plate number

Seq. No.	X12 Name	Value To Be Used
REF01	Reference No. Qualifier	Value is "LV"
REF02	Reference Number	License plate number of insured vehicle

Segment: REF - Reference Number
Occurrence 2 to "n" is used to indicate the error(s) in HL level 5

Seq. No.	X12 Name	Value To Be Used
REF01	Reference No. Qualifier	Value is "1Q"
REF02	Reference Number	Error code from Table 15
REF03	Description	Not used

TABLE 3 MAP

Segment: TDS - Total Monetary Value Summary

Seq. No.	X12 Name	Value To Be Used
TDS01	Total Invoice Amount	Value "1"

Appendix C

To obtain forms, contact DMV at (503) 945-5033.

Appendix D

Automobile Liability Insurance Reporting System (ALIR)
Insurance Company Trading Partner Information

The following insurance company trading partner information is required by Oregon Driver and Motor Vehicle Services (DMV) to exchange automobile liability insurance information using the electronic data interchange system developed by DMV. This information is needed to set up the trading partner profiles in DataInterchange and to successfully conduct the necessary acceptance tests. This information must be provided to DMV at least one week prior to the date when the insurance company plans to conduct acceptance testing with DMV.

Please submit this form to: **Driver Records Unit**
Driver and Motor Vehicle Services
1905 Lana Ave NE
Salem, OR 97314
Fax (503) 945-7981

==

Insurance company name:

Insurance company NAIC number:

Insurance company business contact person (responsible for business and policy decisions)**:**

_____

Business contact's address:

Business contact's telephone and fax numbers:

Insurance company technical contact person (responsible for conducting Acceptance Tests)**:**

_____

Technical contact's address:

Technical contact's telephone and fax numbers:

Insurance company's AT & T Global account number: *

Insurance company's electronic mailbox ID number: *
*(if you are using a VAN, contact that company to obtain this information)

Estimate of proposed dates for conducting the acceptance tests _____
==

Appendix E

Sample 811 for Oregon

ISA.00.00.   .ZZ.INSC RBJ001.ZZ.ORD1 ORD1003. 9960827.114
0.U.00305.000000239.0.T
GS.CI.ALIR811S0000000. .961206.0915.239.X.003050
ST.811.0239
BIG.961206.1.....RP.13
N1.IN.HIGH PLAINS INSURANCE COMPANY.NI.12345
N1.2F.OREGON DMV ALIR
HL.1..1.1
NM1.IN.2......NI.23456
IT1..1.IP.0
DTM.368.961206...19
HL.2.1.2.1
NM1.2F.2.OREGON DMV ALIR
HL.3.2.4.1
NM1.IL.1.ANDERSON.ARNOLD.A...N.1137471
N3.111 APPLE AVE
N4.ALBANY.OR.97321
IT1..1.IP.0
SI.ZZ.11.NBS
REF.IG.19740487
REF.XM..OR
REF.S3.V
DTM.222.520406...19
DTM.007.961201...19
HL.4.3.5.0
LX.1
VEH.1.5932Z98.19.76.NA.BMW
HL.5.2.4.1
NM1.IL.1.BEANBAG.BERT.B...N.238602
N3.222 BAROMETER BLVD
N4.BEAVERTON.OR.97005
IT1..1.IP.0
SI.ZZ.11.XLC
REF.IG.342608-23
REF.XM..OR
REF.S3.V

DTM.036.961204...19
HL.6.5.5.0
LX.1
VEH.1.JN1PN03S3BM024935.19.81.NA.DATS
HL.7.2.4.1
NM1.IL.2.CONSOLIDATED CARP CORP
N3.333 CAMEL CT NW
N4.CORVALLIS.OR.97330
IT1..1.IP.0

SI.ZZ.11.NBS
REF.IG.A23-45J-231
REF.S3.NF
DTM.007.961202...19
HL.8.2.4.1
NM1.IL.1.DUMPTY.DARRYLE....N.2327839
N3.4444 DAMVIEW DR
N4.DEXTER.OR.97419
IT1..1.IP.0
SI.ZZ.11.NBS
REF.IG.34260815
REF.XM..OR
REF.S3.V
DTM.222.691114...19
DTM.007.961204...19
HL.9.8.5.0
LX.1
VEH.1.JT4RN01P9K4001180.19.89.NA.TOYT
HL.10.2.4.1
NM1.IL.1.EMBERS.EDUARDO.E...N.5815183
N3.555.EGGPLANT EXPY
N4.EAGLE POINT.OR.98626
IT1..1.IP.0
SI.ZZ.11.XLC
REF.IG.503*9455021
REF.XM..OR
REF.S3.V
DTM.222.691114...19

DTM.036.961210...19
HL.11.10.5.0
LX.1
VEH.1.JT4RN01P9K4001180.19.89.NA.TOYT
HL.12.2.4.1
NM1.IL.1.EMBERS.EDUARDO.E...N.5815183
N3.555.EGGPLANT EXPY
N4.EAGLE POINT.OR.98626
IT1..1.IP.0
SI.ZZ.11.NBS
REF.IG.503*9455021
REF.XM..OR
REF.S3.V
DTM.222.691114...19
DTM.007.961203...19
HL.13.12.5.0
LX.1
VEH.1.JB7FP24D6GP085992.19.86.NA.DODG
HL.14.2.4.1
NM1.IL.1.FLOUNDERS.FRED.F
N3.PO BOX 666
N4.FRAP.OR.97123

IT1..1.IP.0
SI.ZZ.11.XLC
REF.IG.23J 57906-Q
REF.S3.V
DTM.222.270818...19
DTM.036.961209...19
HL.15.14.5.0
LX.1
VEH.1.1G4CW54C8K1632539.19.89.NA.BUIC
HL.16.2.4.1
NM1.IL.1.GORP.GWENA....N.GORP*G*299A6
N3.7777 NE HWY 77
N4.GRAPESEED.OR.97015
IT1..1.IP.0
SI.ZZ.11.XLC
REF.IG.12345678901234567890123456789 0

REF.XM..WA
REF.S3.V
DTM.222.650506...19
DTM.036.961202...19
HL.17.16.5.0
LX.1
VEH.1.HLA10196476.19.80.NA.DATS
HL.18.2.4.1
NM1.IL.1.HERBERT.HERBERT.H...N.3717956
N3.88 HAMBURGER HTS
N4.HOTTAMALE.OR.97432
IT1..1.IP.0
SI.ZZ.11.NBS
REF.IG.238
REF.XM..OR
REF.S3.V
DTM.222.431021...19
DTM.007.961129...19
HL.19.18.5.0
LX.1
VEH.1.1B3AA4635RF127882.19.94.NA.DODG
HL.20.18.5.0
LX.1
VEH.2.JHMCB7554PC040755.19.93.NA.HOND
REF.LV.TKG695
TDS.1
CTT.9
SE.136.0239
GE.1.239
IEA.1.000000239