Message Validator

- 1.) Specify the Data Encoding of the message being validated.
- 2.) Select the Message Type of the message being validated. Auto-detect will do its best to determine what type of message the data is, but will not work for all messages. If a message is a sub-type of another message type, then the highest level will be identified. For example, a Frame+TIM message is of message type MessageFrame, but MessageFrame is a sub-type of ServiceRequest.

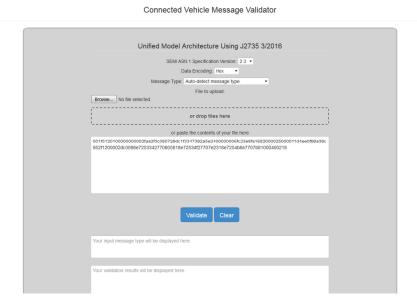
| Connected Vehicle Message Validator | |
|--|--|
| | |
| Unified Model Architecture Using J2735 3/2016 | |
| SEMI ASN.1 Specification Version: 2.3 ▼ | |
| Data Encoding: Hex ▼ | |
| Message Type: Auto-detect message type ▼ | |
| File to upload: | |
| Browse No file selected. | |
| or drop files here | |
| \/ | |
| or paste the contents of your file here 001f512010000000002faa2f3c080729dc1f3347392a5e2400000006fc23e8fa1682000025000011d4ee0f99a39c | |
| 952f1200002dc0098e7253342770805818e7253df27707e2318e7254b8e7707b81000400218 | |
| | |
| | |
| | |
| | |
| Validate Clear | |
| gov.usdot.asn1.generated.j2735.semi.ServiceRequest | |
| value servicemequest := { dialogili veh SitData, seqili svcReq, groupio YASS0080H, requestii 00000000H | |

Connected Vehicle Message Validator

| Unified Model Architecture Using J2735 3/2016 |
|--|
| SEMI ASN.1 Specification Version: 2.3 • |
| Data Encoding: Hex ▼ |
| Message Type: MessageFrame ▼ |
| File to upload: |
| Browse No file selected. |
| or drop files here |
| or grop mes nere |
| or paste the contents of your file here |
| 001f5120100000000002bazzfsc0807296±1f3347392a5e240000006fc23e881f82000025000011d4ee0f99a39c 952f1200002dc0098e7255342770805818e7253df27707e2318e7254b8e7707b81000400218 |
| Validate Clear |
| gov.usdot.asn1.generated j2735.dsrc.MessageFrame |
| value MessageFrame ::= { |
| messageld 31, |
| value Travelerinformation : { msgCnt 1, |
| packetID '0000000002FAA2F3C'H, |
| dataFrames / |

If a message is failing to validate, switching the Message Type from Auto-detect to the specific message type could allow the validator to properly decode the message or provide a more specific error message to the issues with the message.

3.) To specify the message, you can browse the file system for the message file, drag and drop the message file unto the box with the dotted line border, or enter the contents of the file in the provided text area.



- 4.) Hit the **Validate** button to validate the message.
 - o If the message is valid, the text areas at the bottom will change to green. The fully qualified message type and decoded value will be displayed within the text areas.



Help

o If the message is not valid, the text areas at the bottom will change to red. A brief error message as well as a more detailed error message will be displayed within the text areas.

| | Unified Model Architecture Using J2735 3/2016 |
|------------------------------|--|
| | SEMI ASN.1 Specification Version: 2.3 • |
| | Data Encoding: Hex. |
| | Message Type: SPAT |
| | File to upload: |
| T _B | Prile to upload. Rowse No file selected. |
| | |
| | or drop files here |
| '- - | ' |
| | or paste the contents of your file here |
| | 01f5120100000000002faaz2ts.0807286±193473922s6e2400000066±23e8fa1682000025000011d4ee0f99a39c 22f1200002dx:0098e7253342770805818e7253df27707e2318e7254b8e7707b81000400218 |
| | Validate Clear |
| M | eld 'minEnd Time' (type: TimeMark) of field 'timing' (type: TimeChangeDetails) of element #1 (type: lowementEvent) of field 'state-time-speed' (type: MovementEventList) of element #1 (type: lowementState) of field 'states' (type: MovementList) of element #1 (type: IntersectionState) of |
| file M M file v: | rror. Failed to validate message. Reason: D0058: Value range constraint violated: 3866 eld mindfill mer (type: Timelating) of field itming! (type: Timechang) electatis) of element #1 (type: deld mindfill mer (type: Timechang) electatis) of element #1 (type: dovementSevent) of field 'state-time-speed' (type: MovementSeventList) of element #1 (type: deld 'intersections' (type: IntersectionState) of elid 'intersections' (type: IntersectionStateList) of PDU 'SPAT' intersections (type: IntersectionStateList) of PDU 'SPAT' intersections (|