



ELD Device Certification Instructions

1. Log into your ELD Provider Portal <https://eld.fmcsa.dot.gov/Account/Login> and click on the menu item "Register Your ELD".

2. Fill out the form with the following information:

Product Name

MOONLIGHT ELD

Software Version

2.0 or higher

Model Number

MRS

ELD Identifier (a six-character alphanumeric identifier assigned to this device by its manufacturer)

MRS255

Picture of Device

MOONLIGHT-ELD PICTURE

 MOONLIGHT-ELD-PICTURE.png

User's Manual

MOONLIGHT ELD Manual

 MOONLIGHT-ELD-MANUAL.pdf

Public Key Certificate

uzb2usa.pem

https://drive.google.com/file/d/1HuJ6d_-1nfqWLHzcE9VYi6TJemkDyQW8/view?usp=sharing

Data Transfer Description

MOONLIGHT ELD is capable of producing and transferring the ELD records via telematics transfer methods: Wireless Web services and Email. In order to send the ELD records via Web services, a driver must press the "DOT Inspection" menu item, then press "Send Logs" button, select Web Service as the Data Transfer Type and press "SEND" button. In order to send the

ELD records via Email, a driver must press the “DOT Inspection” menu item, then press “Send Logs” button, select Email as the Data Transfer Type and press “SEND” button.

Summary of Malfunctions

MOONLIGHT ELD monitors its compliance with the technical requirements and detects malfunctions and data inconsistencies and keeps records of its malfunction and data diagnostic event detection. Following standard coding is implemented for required compliance malfunction and data diagnostic event detection: P - “Power compliance” malfunction, E - “Engine synchronization compliance” malfunction, T - “Timing compliance” malfunction, L - “Positioning compliance” malfunction, R - “Data recording compliance” malfunction, S - “Data transfer compliance” malfunction, O - “Other” ELD detected malfunction, 1 - “Power data diagnostic” event, 2 - “Engine synchronization data diagnostic” event, 3 - “Missing required data elements data diagnostic” event, 4 - “Data transfer data diagnostic” event, 5 - “Unidentified driving records data diagnostic” event, 6 - “Other” ELD identified diagnostic event. The MOONLIGHT ELD Malfunction and Diagnostic Event Records list all ELD malfunctions that have occurred on MOONLIGHT ELD during the time period for which this file is generated. Active malfunctions are indicated to all drivers who may use that ELD.

Procedure to validate an ELD authentication value

A cryptographic hash function is used to generate a fixed-size alphanumeric authentication value to satisfy the requirements listed in section 7.1.14. In order to fit into the mandated maximum authentication value data range and length, a popular MD5 hash function is used to generate a fixed-size 32-digit hexadecimal value. The data fed into MD5 hash function is composed by concatenating all transmitted data elements (as described in section 4.8.2.1) and FMCSA provided authentication key (as described in section 5.1.3). This process provides the ability to cross-check the authenticity of an ELD used in the recording of a driver’s records (as specified in sections 5.2.2 and 7.1.14) by including both “ELD Identifier” data element and the certificate component in the form of FMCSA provided authentication key.

Certifying Statement of FMCSA Regulation Testing

MOONLIGHT ELD meets the technical specifications set forth in the Appendix to Subpart B of Part 395 of title 49, Code of Federal Regulations. MOONLIGHT ELD was tested to comply with FMCSA regulations by completing steps and testing procedures described in the Electronic Logging Device (ELD) Test Plan and Procedures Version 2.0.

3. Let us know when the ELD Device Certification registration is submitted.

4. Provide us with “ELD Registration ID” when the ELD Device Certification registration is approved (may take several weeks) and we will add it to your ELD app. (To find the ELD Registration ID, go to your FMCSA account, click on “Manage Your Devices” and click on your registered ELD.

- [ELD Provider Portal](#)
- [My Information](#)
- [Develop and Test Your Device](#)
- [File Validator Archive](#)
- [ELD Test Output Files](#)
- [Register Your ELD](#)
- [Manage Your Devices](#)
- [Company Information](#)
- [Manage Company Accounts](#)
- [Invite User](#)

Manage ELDs

A list of your registered ELDs is below. CI

Search:

Device Name	Model Number
+ YOUR ELD	FLT2