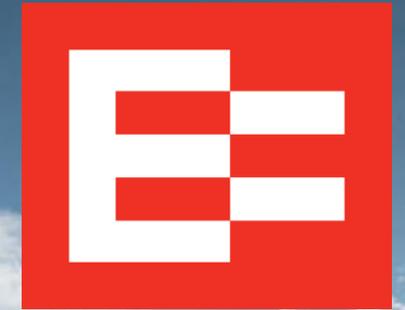


EROAD

Capacitación para conductores – Cómo manejar las inspecciones en carretera



eroad.com



Objetivos de aprendizaje



En esta sesión de capacitación, usted aprenderá a:

- Revisar los requerimientos de información del Mandato del ELD
- Identificar los documentos del ELD de EROAD utilizados para cumplir con los requerimientos
- Cambiar el ELD de EROAD al modo de inspección en carretera
- Revisar el procedimiento para mostrar registros
- Transferir datos del registro por correo electrónico

Requerimientos del paquete de Información del ELD

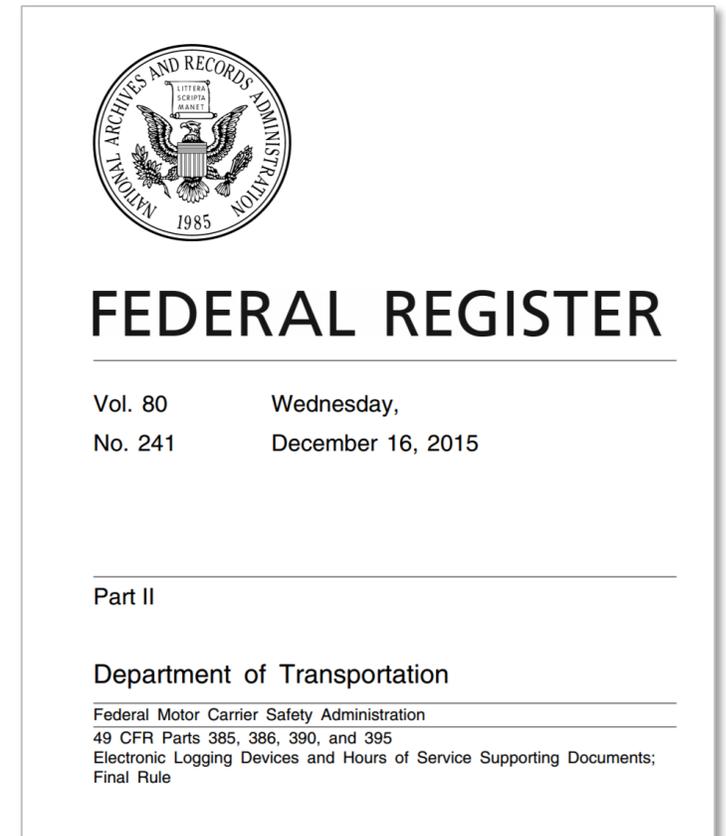


Requerimientos del paquete de información del ELD para conductores



De acuerdo con la sección 395.22(h), es obligatorio que en la cabina del camión se conserve la siguiente información :

1. El manual del usuario para manejar el ELD.
2. La hoja de instrucciones para mostrar los datos y transferir los registros del conductor a un inspector.
3. Hoja de instrucción describiendo el reporte de problemas de funcionamiento de ELD y procedimientos.
4. Suficientes copias de gráficas de cuadros en blanco para registrar el estado de actividad del conductor y otra información relacionada de un mínimo de ocho días.



Paquete de información del ELD: Formato electrónico aprobado



El manual del usuario y las hojas con las instrucciones deben mantenerse en formato digital.
(Consulte: <https://help.eroad.com/us/us-eld/download-resources/> para descargar los documentos electrónicos de EROAD)



CVSA Petitions and Comments to Rulemakings

CVSA Submits Request to FMCSA for Guidance on Electronic Instructions

On March 6, 2017, CVSA submitted a **letter** to FMCSA requesting guidance on allowing the use of an electronic instruction sheet or user manual as part of drivers' requirement to keep instructions on how electronic data may be retrieved from electronic logging devices (ELDs). In response, FMCSA indicated that in accordance with **guidance** published in the "Federal Register," ELD instruction sheets and manuals can be kept electronically. The clarification will also appear in the next agency update of the ELD FAQ.

Requerimientos del paquete de información del ELD



El Manual del usuario del ELD de EROAD provee instrucciones detalladas sobre cómo usar el dispositivo de registro electrónico.

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Requerimientos del paquete de información del ELD



La tarjeta de la visera del ELD de EROAD para inspecciones en carretera provee instrucciones para mostrar y transferir los registros.

EROAD ELD

Display Logs

Perform these steps to see logs from the Home menu.

1. Tap the **Logs** icon on the Home screen.



2. Tap the **Roadside** icon on the Logs screen.



3. Tap the **Display** button. The Info tab appears.



Tip: Drivers must enter their PIN to leave Inspection mode.

Display Logs

INFO TAB

Perform these steps to view ELD information. Ensure that steps in the left panel are completed first.

1. Tap the **Down** arrow to see more information on the selected date.



2. Tap the **Left** arrow to see information on a previous date.

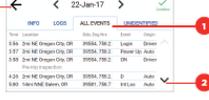


ALL EVENTS TAB

1. Tap the **All Events** tab.

2. Tap the **Down** arrow to see more events on the selected date.

3. Tap the **Left** arrow to see events on a previous date.

Display Logs

LOGS TAB

Ensure that steps in the left panel are completed first.

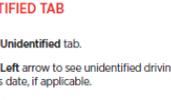
1. Tap the **Logs** tab to see log/duty status.



2. Tap the **Left** arrow to see logs for previous days (up to eight days).



3. Tap the **Right** arrow to see duty status details.

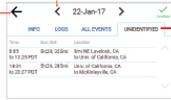


UNIDENTIFIED TAB

1. Tap the **Unidentified** tab.

2. Tap the **Left** arrow to see unidentified driving status on a previous date, if applicable.

3. Tap the **Back** arrow to return to the previous screen.





EROAD ELD

Roadside Inspection

Follow instructions when a roadside inspection occurs.

1. Tap the **Duty Status** icon and tap the **ON** status. You cannot access the Roadside screens while in Driving mode.



2. Tap the **Logs** icon.



3. Tap the **Roadside** icon.



4. Loosen the fastener on the mounting arm and remove the EROAD ELD.

5. Hand the device to the inspector.



Roadside Inspection

EMAIL TRANSFER

Perform the following steps to email logs, if required.

1. Tap the **Logs** icon and then tap the **Roadside** icon, as shown on the right panel of this card.



2. Tap the **Transfer** button.



3. Tap the **Email** button.



4. Enter the **Email address**.



5. Tap the **Next** button.



6. Enter a remark in the **Comment** field.



7. Tap the **Send** button.



Roadside Inspection

WEB SERVICES TRANSFER

Perform the following steps to transfer logs via Web Services, if required.

1. Tap the **Logs** icon and then tap the **Roadside** icon, as shown on the right panel of this card.



2. Tap the **Transfer** button.



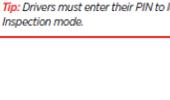
3. Tap the **Web Services** button.



4. Enter a remark in the **Comment** field.



5. Tap the **Send** button.



Tip: Drivers must enter their PIN to leave Inspection mode.

Requerimientos del paquete de información del ELD



- La tarjeta de la visera del ELD de EROAD para problemas de funcionamiento describe cómo resolver problemas de diagnóstico de datos y de funcionamiento
- Los conductores deben comunicarse con su transportista cuando ocurra un problema de funcionamiento

EROAD ELD

Resolving Data Diagnostics

A red banner appears across the Home screen under the driver's name if a data diagnostic issue is present. You must examine your logs and enter the required information to resolve the issue.

1. Tap the red banner on the Home screen.
2. Tap the Details icon on the Current Issues screen to see more information about the Data Diagnostic issue.
3. Follow the system instructions to correct the issue. Locate the data diagnostic issue code in the table on the right side of this card, and follow the instructions in the **Response / Resolution** field.

Note: You can also access the Current Issues screen from the menu on the Logs screen. These steps are described under the malfunctions section of this card.

Code	Description	Cause	Driver can resolve	Response / Resolution
1	Power data diagnostic: An ELD must monitor the data it receives from the engine ECM or alternative sources, and data record history to identify instances when it may not have complied with the power requirements.	<ul style="list-style-type: none"> • ELD not fully functional within one minute of the engine turning on • Wiring or power source fault 	✓	Drivers must check that their logs are correct by reviewing them on the ELD. Then, they can resolve the diagnostic event by selecting it on the screen and entering an explanation. The driver should notify the carrier, if these events become a regular occurrence.
2	Engine synchronization diagnostic: An ELD is required to establish a link to the engine ECM, and must record an engine synchronization data diagnostic event, when it no longer can acquire values for the ELD parameters required for records within five seconds.	<ul style="list-style-type: none"> • Wiring or connection fault 	✓	Drivers must notify the carrier as soon as possible and arrange for the ECM link to be restored. Once the ECM link is restored, drivers must thoroughly review their logs and edit, as necessary, to ensure they are correct. Then, they can resolve the diagnostic event by selecting it on the screen and entering an explanation.
3	Missing required data elements data diagnostic: An ELD must monitor the completeness of the ELD event record information in relation to the required data elements for each event type, and must record a missing data element, and data diagnostics event for the driver, if any required field is missing at the time of recording.	<ul style="list-style-type: none"> • Temporary or permanent loss of GPS • Intermittent or disconnected link to the vehicle ECM 	✓	Drivers can resolve this data diagnostic by manually entering the missing data associated with their records along with an explanation.
4	Data transfer data diagnostic: An ELD must implement in-service monitoring functions to verify that the data transfer mechanisms are continuing to function properly. An ELD must verify this functionality at least once every seven days.	<ul style="list-style-type: none"> • ELD fails to communicate records to EROAD Depot for seven continuous days 	✗ Might auto-resolve	Unless driving in an area with known cellular coverage issues, drivers should notify their carrier immediately. This fault auto-resolves, if the device begins to communicate successfully again.
5	Undertitled driving records data diagnostic: If more than 30 minutes of driving in a 24-hour period shows undertitled driver on the ELD, the ELD must detect and record an undertitled driving record data diagnostic event, and the data diagnostic indicator must be turned on for all drivers logged in to that ELD for the current 24-hour period and the following seven days.	<ul style="list-style-type: none"> • More than 30 minutes combined vehicle use without a logged-in driver 	✓	Drivers must review the undertitled journeys recorded on the ELD and accept any periods of drive time recorded, while they were driving and not logged in to the ELD system.

Managing Malfunctions

The EROAD ELD is fully compliant with the Federal Motor Carrier Safety Administration (FMCSA) requirements. It generates data diagnostic events and malfunctions, if there is missing data or a fault that affects the completeness of the logs or accuracy of the device. A red LED illuminates at the top of the ELD when a malfunction is present.

1. Tap the Logs icon.
2. Tap the More icon.
3. Tap the Issues icon.
4. Tap the Details icon.
5. Follow the system instructions to correct the issue. Locate the malfunction issue code in the table on the right side of this card, and follow the instructions in the **Response / Resolution** field.

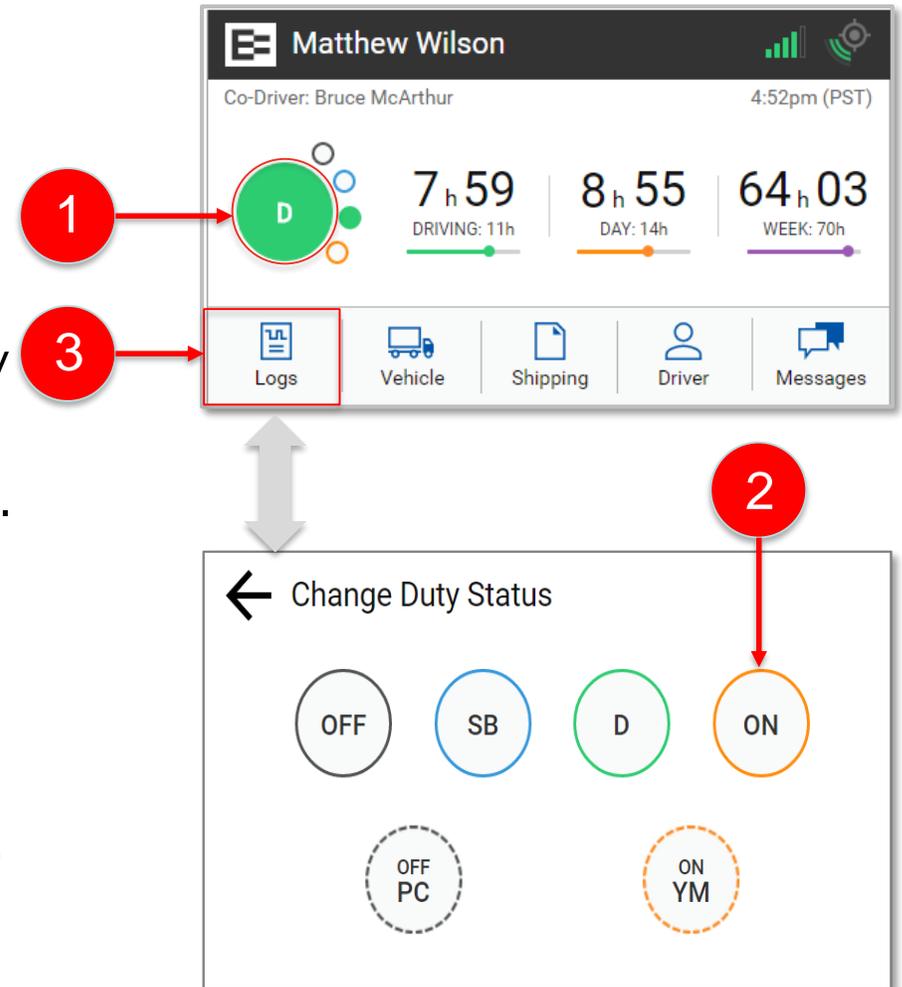
Note: You can also access the Current Issues screen directly from the home screen by tapping the red banner.

Code	Description	Cause	Driver can resolve	Response / Resolution
P	Power compliance: An ELD must monitor the data it receives from the engine ECM or alternative sources, and data record history to identify instances when it might not have complied with the power requirements.	<ul style="list-style-type: none"> • More than 30 minutes of driving time lost in a 24-hour period 	✓	Drivers should review and correct their logs, and notify their carrier of the fault. Once the fault has been corrected, the malfunction is cleared by explaining the fault and resolution.
E	Engine synchronization: An ELD must set an engine synchronization compliance malfunction, if connectivity to any of the required data sources is lost for more than 30 minutes during a 24-hour period aggregated across all driver profiles.	<ul style="list-style-type: none"> • More than 30 minutes without ECM engine synchronization over a 24-hour period 	✓	Drivers must notify their carrier as soon as possible and arrange for the ECM link to be restored. Once the ECM link is restored, drivers must thoroughly review their logs and edit, as necessary, to ensure they are correct. Then, they can resolve the diagnostic event by selecting it on the malfunction screen and entering a remark.
T	Timing compliance: The ELD must periodically cross-check its time with an external UTC source, and must record a timing compliance malfunction when it can no longer meet the underlying timing requirement of less than 10 minutes' time deviation.	<ul style="list-style-type: none"> • Vehicle has been out of service for sufficient time that the internal clock is no longer accurate, and the ELD has not yet synchronized its time 	✓	Once the internal clock has been corrected, drivers are prompted to review their logs before resolving the malfunction.
L	Positioning compliance: An ELD must monitor elapsed time during periods when the ELD fails to acquire a valid position measurement within five miles of the CMV's movement. When such elapsed time exceeds a cumulative 60 minutes over a 24-hour period, the ELD must set and record a positioning compliance malfunction.	<ul style="list-style-type: none"> • More than 60 minutes without a valid GPS fix in a 24-hour period 	✗ Might auto-resolve	This malfunction might appear during a temporary loss of a valid GPS fix, but it auto-resolves once GPS is restored. If this malfunction persists or appears frequently, the driver should notify the carrier, so that they can contact EROAD support.
R	Data recording compliance: An ELD must monitor its storage capacity and integrity and must detect a data recording compliance malfunction if it can no longer record or retain required events, or retrieve recorded logs that are not otherwise catalogued remotely by the motor carrier.	<ul style="list-style-type: none"> • Hardware fault 	✗	Driver must contact the carrier as soon as possible, so that they can contact EROAD support.
S	Data Transfer compliance: After an ELD records a data transfer data diagnostic event, the ELD must increase the frequency of the monitoring function to check at least once every 24-hour period. If the ELD stays in the unconfirmed data transfer mode following the next three consecutive monitoring checks, the ELD must detect a data transfer compliance malfunction.	<ul style="list-style-type: none"> • Failure to communicate for three days following a data transfer data diagnostic event 	✗ Might auto-resolve	Unless driving in an area with known cellular coverage issues, drivers should notify the carrier immediately, so they can contact EROAD Support. This fault auto-resolves, when the device begins to communicate successfully.

Inspecciones en carretera



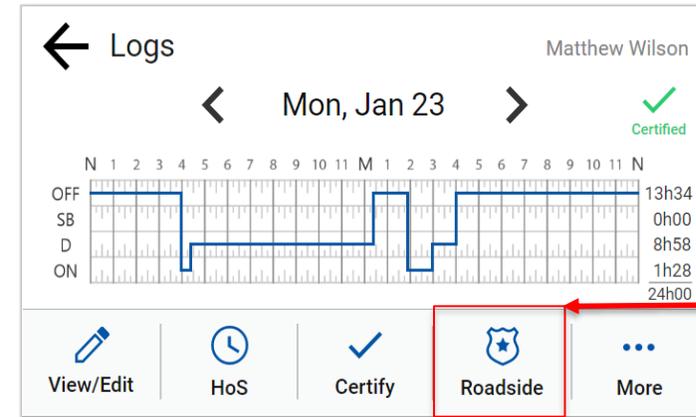
- Se espera que los conductores ayuden al inspector al demostrar que entienden cómo usar el ELD.
- Ponga el dispositivo de ELD en modo Roadside (inspección), que es diferente a la vista que tiene el conductor durante el uso normal.
- En la pantalla aparecen los datos de registro del día en curso y de los últimos siete días.
- El inspector solo ve lo que se requiere durante una inspección. No se pueden editar registros en el modo de Roadside.
 1. Toque el botón **Duty status** en la pantalla de inicio para cambiar su estado de actividad al iniciar la inspección.
 2. Toque en el estado **On duty** en la pantalla Change Duty Status. Después vuelve a mostrarse la pantalla de inicio.
 3. Toque el símbolo **Logs** en la pantalla de Inicio.



Inspecciones en carretera (continuación)



4. Toque el símbolo **Roadside** en el menú de Logs. La pantalla Roadside inspección incluye opciones para mostrar o exportar registros.
5. Afloje el sujetador del brazo donde está montado el dispositivo del ELD para quitarlo.
6. Muestre el dispositivo del ELD al inspector, si se lo pide.



Inspecciones en carretera: mostrar los registros (pestaña Info)



Después de que el conductor pone el ELD de EROAD en el modo de Roadside inspección el inspector puede mostrar o transferir los datos de registro. El inspector puede hacer lo siguiente:

1. Tocar el botón **Display** para ver los datos del registro del día en curso. La pestaña Info muestra la información del encabezado del ELD.
2. Toque la flecha que indica **Abajo** para ver datos adicionales del día en curso.
3. Toque la flecha que indica **Izquierda** en la fecha para ver datos de días anteriores.
4. *(opcional)* Toque la flecha que indica **Atrás** para volver a la pantalla anterior.

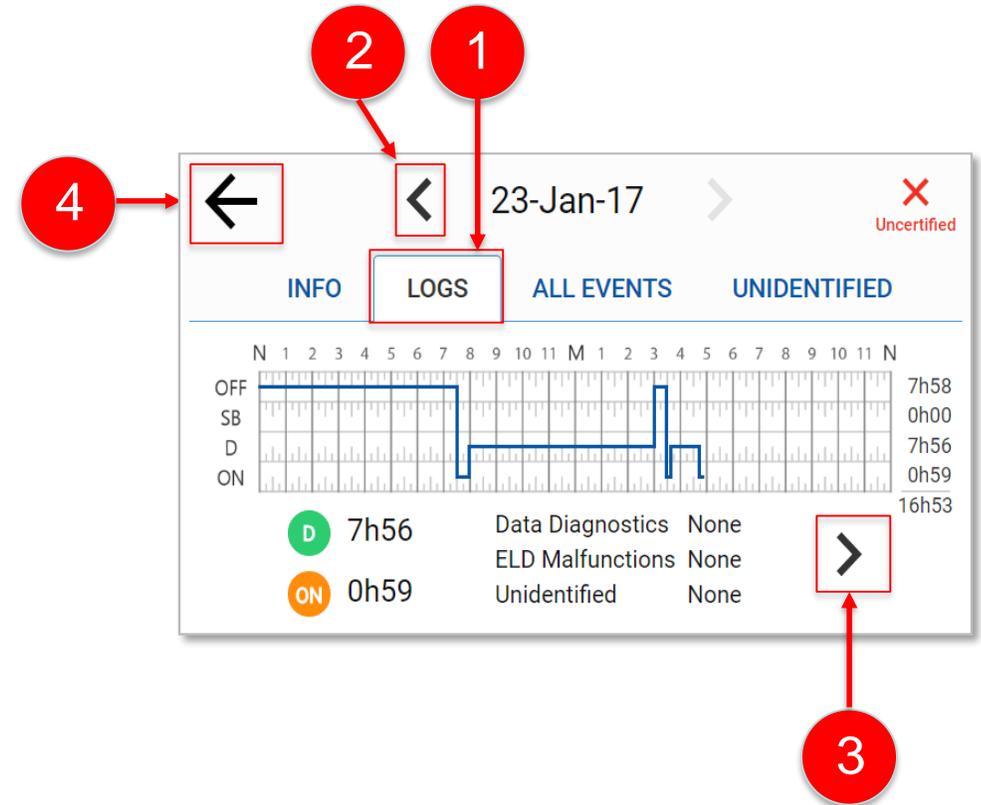
The screenshot shows the 'Roadside Inspection' screen with a back arrow, the name 'Matthew Wilson', and two buttons: 'TRANSFER' and 'DISPLAY'. A red circle with the number '1' points to the 'DISPLAY' button. A large grey arrow points down to the 'Info' tab. The 'Info' tab shows a date '23-Jan-17' with a back arrow, a right arrow, and an 'Uncertified' status. A red circle with the number '3' points to the back arrow. Below the date are tabs for 'INFO', 'LOGS', 'ALL EVENTS', and 'UNIDENTIFIED'. The 'INFO' tab is selected, showing driver information for Matthew Wilson. A red circle with the number '2' points to a down arrow at the bottom right of the info card. A red circle with the number '4' points to a back arrow at the top left of the info card.

INFO	LOGS	ALL EVENTS	UNIDENTIFIED
Driver Name, ID	Matthew Wilson, 1234567		
Exempt Driver Status	No		
Driver License, State	D000368210361, IL		
Co-Driver Name, ID	Bruce McArthur, 84599128		
Time Zone, 24 Period Start	CST, Midnight		
Miles Today	601		
Truck Tractor ID	TR1234567		

Inspecciones en carretera – mostrar los registros (pestaña Logs)



1. Toque la pestaña **Logs** para ver los datos en la gráfica de cuadros.
2. Toque la flecha que indica **Izquierda** en la fecha para ver datos de días anteriores o toque la flecha que indica **Derecha** para ver los días siguientes.
3. Toque la flecha que indica **Derecha** en la parte inferior de la pantalla para ver diagnósticos de datos, problemas de funcionamiento del ELD o estados de conducción no identificados, totales de horas de manejo y en servicio.
4. (opcional) Toque la flecha que indica **Atrás** para volver a la pantalla de inicio del conductor. (Esta es su protección predeterminada para permanecer en el modo de inspección.)



Inspecciones en carretera – mostrar los registros (pestañas All Events y Unidentified)



1. Toque la pestaña **All Events** para ver los eventos en orden cronológico del día en curso.
2. Toque la flecha que indica **Abajo** para ver eventos adicionales.
3. Toque la flecha que indica **Izquierda** a un lado de la fecha para ver los datos de días anteriores o la **Derecha** para ver los datos de días posteriores.
4. Toque la pestaña **Unidentified** para ver eventos de conducción no reclamados por un conductor.
5. Toque la flecha que indica **Atrás** para volver a la pantalla anterior.

Nota: Se pide al conductor que introduzca su NIP (número de identificación personal/PIN) antes de volver a la pantalla de Roadside inspección.

The top screenshot shows the 'ALL EVENTS' tab. The table below is as follows:

Time	Location	Odo, Eng Hrs	Event	Origin
3:56	2mi NE Oregon City, OR	39554, 758.2	Login	Driver
3:57	2mi NE Oregon City, OR	39554, 758.2	Power Up	Auto
3:58	2mi NE Oregon City, OR	39554, 758.2	ON	Driver
Pre-trip inspection				
4:26	2mi NE Oregon City, OR	39554, 758.2	D	Auto
5:00	14mi NNE Salem, OR	39581, 758.7	Int Loc	Auto

The bottom screenshot shows the 'UNIDENTIFIED' tab. The table below is as follows:

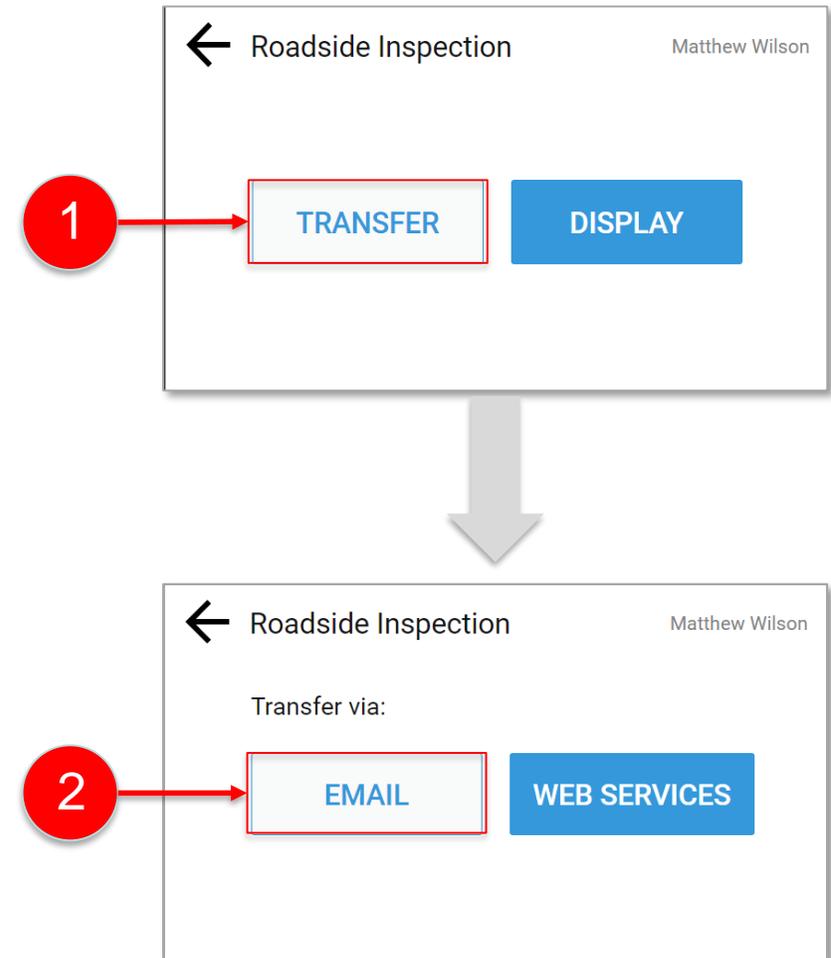
Time	Dur, Dist	Location
8:05 to 13:25 PDT	5h20, 325mi	9mi NE Lovelock, CA to Univ. of California, CA
18:01 to 23:27 PDT	5h26, 285mi	Univ. of California, CA to McKinleyville, CA

Inspecciones en carretera – Transferencia de datos de registros por correo electrónico



El inspector tiene la opción de transferir y/o mostrar los registros en cualquier momento.

1. Toque el botón **Transfer** en la pantalla Roadside inspección.
2. Toque el botón **Email**.

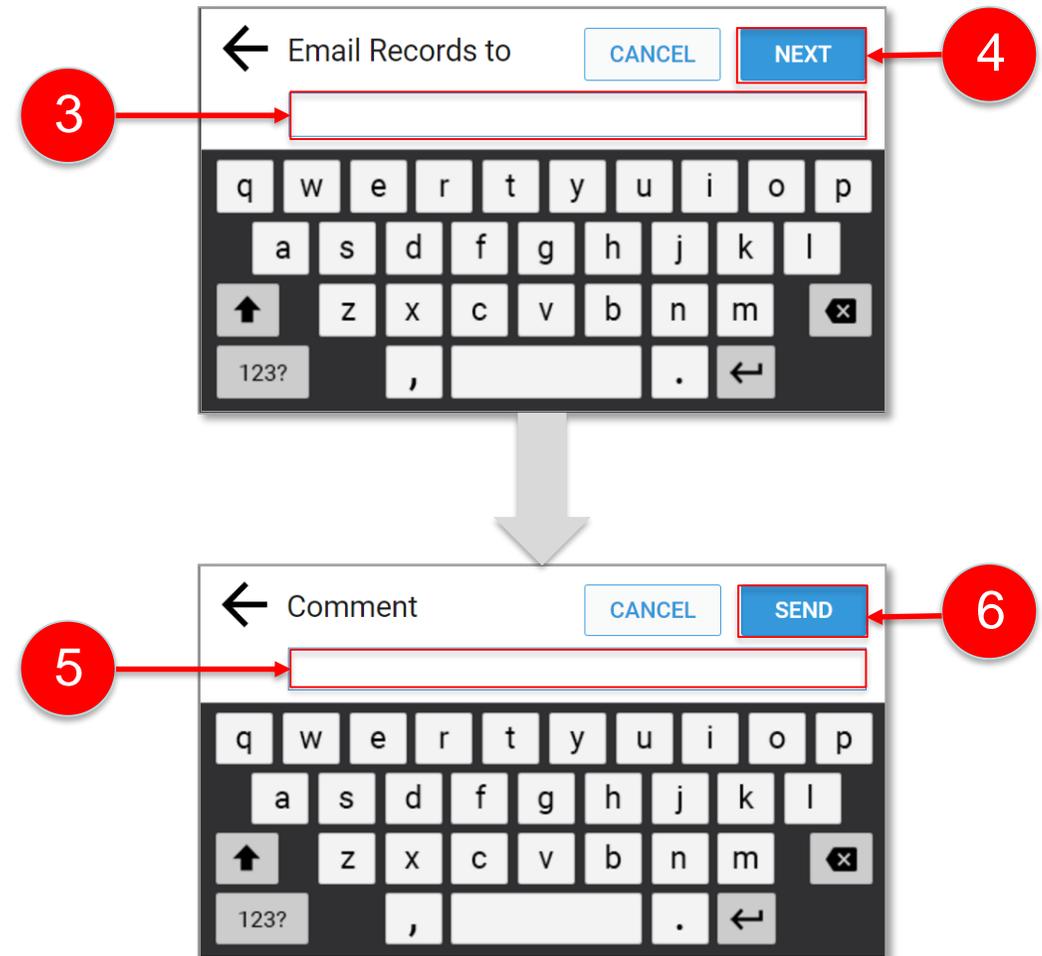


Inspecciones en carretera – Transferencia de datos de registros por correo electrónico (continuación)



3. Toque el campo **Email Records to** y escriba la dirección de correo electrónico deseada.
4. Toque el botón **Next**.
5. Toque el campo **Comment** y escriba un comentario acerca de la inspección.
6. Toque el botón **Send**.

Nota: El archivo de resultados del ELD se envía cifrado al inspector por requisito oficial.

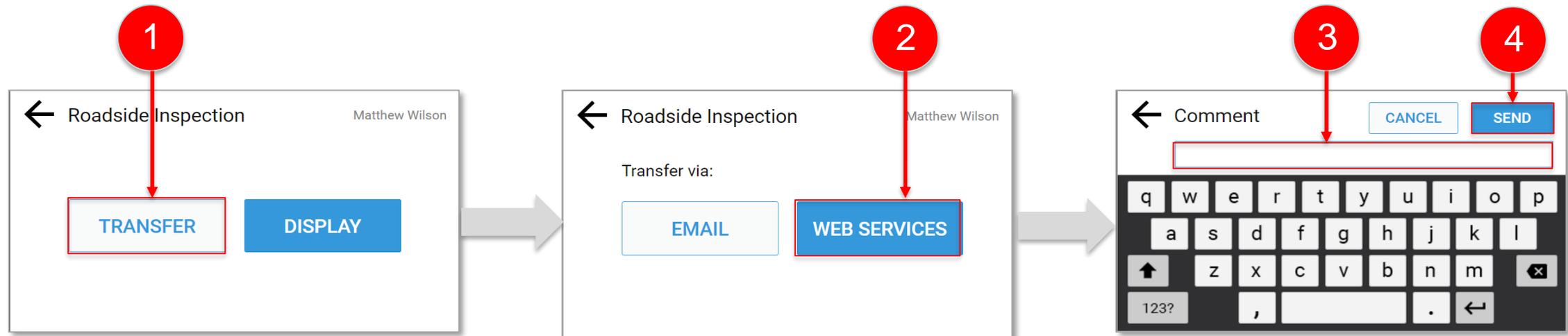


Inspecciones en carretera – Transferencia de datos de registros por red



Use Web Services para transferir datos de los registros *si* el estado está configurado para recibirlos con este método.

1. Toque el botón **Transfer**.
2. Toque el botón **Web Services**.
3. Escriba la información en el campo **Comment**.
4. Toque el botón **Send**.



Envío de sus registros en PDF a su correo electrónico



- Use la función para correo electrónico del menú de Logs para enviar una copia en formato PDF de sus registros a su dirección de correo electrónico particular.
- Los datos de registro incluyen el día en curso y los siete días anteriores
- Conserve copias de respaldo de sus registros por si acaso hubiera un problema de funcionamiento

Nota: Esta función de correo electrónico puede usarse como opción si se le pide un registro en PDF. El conductor debe salir del modo Roadside inspección para usar esta función.

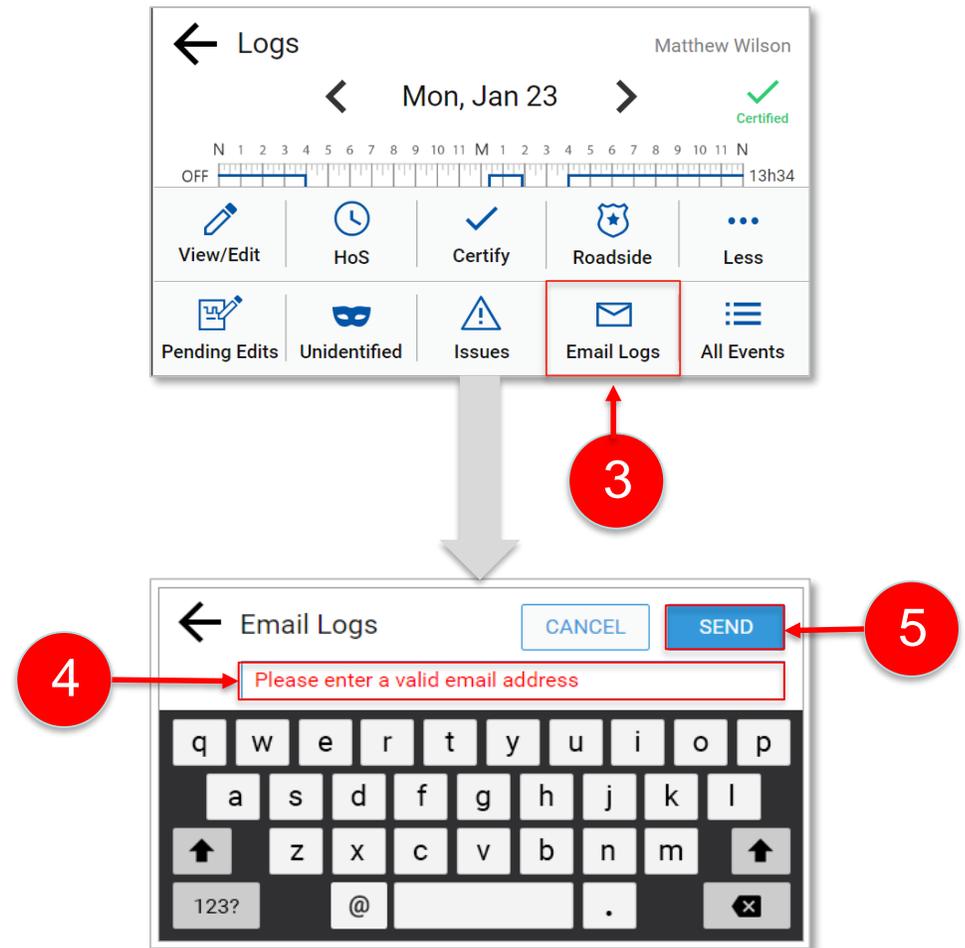
1. Toque **Logs** en la pantalla de Inicio.
2. Toque **More** en la pantalla de Logs.

The screenshot shows the driver's app interface for Matthew Wilson. At the top, it displays the driver's name, co-driver (Bruce McArthur), and the time (4:52pm PST). Below this, there are three circular gauges showing driving time: 7h 59 (DRIVING: 11h), 8h 55 (DAY: 14h), and 64h 03 (WEEK: 70h). A red circle with the number '1' points to the 'Logs' icon in the bottom navigation bar. Below the navigation bar, a large grey arrow points down to a detailed log screen for Monday, Jan 23. The log screen shows a grid with columns for hours (N 1-11, M 1-11, N) and rows for status (OFF, SB, D, ON). A blue line graph shows the driver's status over time. A red circle with the number '2' points to the 'More' icon in the bottom right corner of the log screen.

Envío de sus registros en PDF a su correo electrónico (continuación)



3. Toque el símbolo **Email Logs** en el menú extendido.
4. Escriba su dirección de correo electrónico. Use la tecla de retroceso para eliminar el texto en rojo.
5. Toque el botón **Send**.



Resumen de aprendizaje



En esta sesión de capacitación sobre el ELD de EROAD, usted:

- Revisó los requerimientos de información del Mandato del ELD
- Identificó los documentos del ELD de EROAD utilizados para cumplir con los requerimientos
- Cambió el ELD de EROAD al modo de Roadside inspección en carretera
- Revisó el procedimiento para mostrar registros
- Transfirió datos del registro por correo electrónico

GRACIAS

Para más información, visite www.eroad.com

