AOBRDs vs. ELDs
Cheat Sheet

	Item	AOBRDs Automatic On-Board Recording Devices	ELDs Electronic Logging Devices
	Applicable Regulations	• §395.8: RODS/HOS. • §395.15: AOBRDs.	• §395.8: RODS/HOS (unchanged). • §395.20-395.38: ELDs.
Functionality	**Integral Synchronization**	• Required, but term not defined in the FMCSRs.	• Interfaces with ECM, to capture engine power status, vehicle motion status, miles driven, engine hours. • Pre-2000 CMVs exempted.
	Location Tracking	• Required at each change of duty status. • Manual or automated.	• Automates entry at change of duty status, at 60-min intervals while driving, engine on and engine-off instances, and at beginning and end of personal use and yard moves.
	Communications Methods	• Required. Paper-based or electronic. • eRODS format not defined in the FMCSRs.	• Electronic transmission required. • eRODS output format defined.
	Tamper Resistance	• Tamperproof. • Must identify failures or edited data in output.	• Tamperproof with increased indicator/malfunction monitoring. • Drivers can edit non-driving time with required annotations.
	Clock Time Drift	• Not required.	• Time must be synchronized to UTC; absolute deviation must not exceed 10 minutes at any time.
Alerts/Display	**Driver CDL (State and #) Display**	• Not required.	• Must be captured and displayed in the header of the Daily log. Allowance in the Database will be done.
	VIN Number Display	• Not required.	• Must be captured and displayed in the header of the Daily log. • Allowance in the Database will be done.
	DOT Number Display	• Not required.	• Must be displayed on the header of the Daily log.
	eRODS Display	• Required, minimum defined information for the driver to see. • Format not defined by FMCSRs.	• Extensive changes to Daily log Header and Detail log. • Must be able to present a graph grid of driver's daily duty status changes either on a display or on a printout.
	HOS Driver Alerts	• Not required.	• HOS limits notification is not required. "Unassigned driving time/miles" warning must be provided upon login.
	Diagnostic Events and Malfunction Alerts	• Required, but sensor failures are limited.	• Extended functionality required, must be captured and displayed in the daily log detail and header. • Relay or display indicator required for driver.
Operations	**Device "Default" Duty Status**	• Not required.	• Defaults to "On-duty Not Driving", when stopped for more than 5 minutes (triggers driver alert). • No other non-driver-initiated status change is allowed.
	"Unassigned Driving" Time Status	• Not required.	• Driver must reconcile and approve or reject unassigned driving time at login. • If rejected, the Host Administrator must reconcile. • This will be used for in-house DOT audits.
	"Yard Move" Status	• Not required, but the market has driven vendors to provide.	• Measures as ON-DUTY time in a private yard. • NO mileage limit or time. No Automatic limits allowed. • Manual select/deselect of Yard Move status. • Carrier may elect not to use Yard Move.
	"Personal Conveyance" Status	• Used in AOBRD but, only as defined by product. • Up to carrier or driver discretion.	• An event to record duration of time with GPS at no better than a 10 mile radius. • No defined limitation, warnings are allowed. • Carrier may elect to use or disallow.
	Driver Edits of Daily Logs	• Not allowed until 10/2015 through guidance.	• Required, editing function must be provided to driver. • Any edits must have an annotation. • Driver cannot reduce or eliminate drive time. Other restrictions on edits apply.
	HOS Administrator Edits of Daily Logs	• Not defined.	• Allowed - administrator edits pending until certified by driver. • Must be recorded in the ELD and reports. • Edits to logs beyond the 8 days required must be displayed to driver to accept or reject.
	Enforcement Transfer of Daily Logs	• Not required.	• Driver will be engaged in the transfer to enforcement. • Supplier must make it as a single process for the driver with minimum effort.
	Driver SET UP with User and Password	• Not required.	• Required - unique username and password along with driver status (EXEMPT and NON-EXEMPT DRIVERS). • EXEMPT would be for Road Test Mechanics, Relocation of Vehicles Short Distance, Short Haul drivers.
	Driver Certification of Daily Logs	• Not required.	• Required driver certification every 24 hours of duty shift at minimum which includes acceptance of any log edits performed by HOS administrator.
	ELD Device Out of Service	• Not defined - must go to paper.	• Device must be repaired in the vehicle within 8 days, paper logs are kept for the days out of service.
	Other/Misc.	• n/a	• Must be registered with FMCSA. • Enforcement can access from outside of vehicle. • Portable devices must be mounted.

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