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Hours of Service
Integration Questions
Answered

Hours of Service Integration Questions Answered

Below are questions and their answers that have arisen as part of integration. To view details of the web services themselves, you must have access to the Omnitracs third-part integration wiki. To request access to the wiki: Send an e-mail to qwbs.wiki.user.request@omnitracs.com with the following information:

- The user's full name (first and last)
- The user's e-mail address
- The user's company name
- The country they typically work from (e.g., USA, Canada)
- Desired access level = view
- The URL to access the HOS wiki: https://intinfo.omnitracs.com/display/qhosint/Integrating+with+Qualcomm+Hours+of+Service

Question/Information	Response
The following are new or updated web services implemented by Omnitracs Enterprise Services: • DriverLogQueueByGroupEx • USDriverLogReport2 • CanadaDriverLogReport2 • LogExemptions • LogEvents	Enterprise Services released several web service changes (Release 4.4 and Release 4.5) as detailed here: • HOS Integration Wiki • Release 4.4 Changes • Release 4.5 Changes In summary: • Release 4.4 supported CDL, CDL State, ELD Exempt, ELD Exempt Reason and US DOT Number • Release 4.5 supported time resolution in seconds In a future release, additional web service changes will be made to support new duty statuses and driver permissions for Personal Conveyance and Yard Move.

Question/Information	Response
	For the new duty statuses, the following web services will be affected (details TBD): • CanadaDriverLogReport • CanadaDriverLogReport2 • DriverLogQueue • DriverLogQueueEx • DriverLogQueueByGroup • DriverLogQueueByGroupEx • USDriverLogReport • USDriverLogReport2 • ExportDriver • ExportDriverByDepotId • ExportDriverLog The following duty statuses will be supported: • Off Duty • Sleeper • Driving • On Duty • Off Duty Driving (only used for AOBRD devices) • Personal Conveyance (only used for ELD devices) • Yard Move (only used for ELD devices) For driver permissions (enabling and disabling Personal Conveyance and Yard Move), the following web services will be affected (details TBD): • AddEx • AddWithCarrierName • UpdateDriverEx • UpdateEx • Get

The following are new or updated web services implemented by Omnitracs XRS:
 	
 • DriverLogWebService
 • DriverLog
 • DriverLogDetails
      o Service.GetDriverLogById
      o Service.GetAllDriverLog
      o Service.GetModifiedDriverLogById
      o Service.GetAllModifiedDriverLog
	XRS web service changes include a new Driver web service that adds the following mandatory fields:
	
	 • ELDExempt
	 • ELDExemptExplanation
	 • EnableYardMove
	
	 This service will have a new URL, provided when available.
	
	 In the 4.40 release, the XRS Vehicle web service already has a new mandatory field ELDVehicle that defaults to AOBRD.

Question/Information	Response
	Within the Driver Log and Driver Log detail web services, there will be a new EventType "Yard Move". Though we can provide the string values in these existing fields, be aware of this new EventType and verify that your application handle its presence.
There are new data elements required by the mandate including Engine Hours, Fault codes, USDOT numbers, etc. Are we creating new web service calls or updating existing calls?	**Enterprise Services** After the 4.5 release, we will expanding our web service suite (WSNA only) to include the new ELD mandated elements. The full list of new WebServices is still TBD, but it will at a minimum include a new USDriverLogReportELD call. As listed above, US DOT Number is supported in Release 4.4 (described above). **XRS** XRS Vehicle web service already provides an engine hours field. The Organization web service provides a USDOT field. There are no changes to the fault code web service, but a future release may provide a web service to retrieve maintenance and diagnostics information. When available, this service will provide much of the same data as the M&A report. The M&A report will be in the 4.60 release.
Unassigned driving events Flagged somehow when assigned to a driver's eRODS?	No web services are planned to support this capability.
The introduction of seconds into the date/time stamps of duty status changes and events. How are Omnitracs Enterprise Services and XRS planning to use seconds when producing the grid?	**Enterprise Services** Time resolution in seconds is supported in release 4.5 (described above). The grid/chart will not display seconds, but the daily totals will be presented in seconds. **XRS** Events have always been captured in seconds so no changes are needed.

Question/Information	Response
	FYI. The Driver Log Report does not show seconds on the event detail timestamp in the Remarks section even though seconds are captured in the events.
Supporting documents How will these records play with log data in general, as well as, web-services?	More information to follow
Daylight saving time This has been and continues to be difficult to deal with from a consumer point-of-view. Will we have data indicating which events fall before and after the DST change window? Will the bug we've been dealing with since 2011 relating to events that are in "limbo" during the Fall time change be addressed with the changes for the mandate?	Enterprise Services There is no change. Events will be returned in the order they were created (chronological order). Due to a DST change, the timestamps of these events will appear to be out of chronological order.
Canadian data How will data be recorded and exposed for drivers working in Canada and for drivers who are routinely crossing the border?	Enterprise Services There is no change in behavior. The web services will continue to behave as they do today.
Driver time zone history Depending on how we proceed in regards to the proposed changes, how does pre-converted or UTC + offset data affect the mandate changes?	Enterprise Services To the best of our understanding, there should not be any impact to the proposed changes due to the mandate.

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