

ELD Library and LibrarySync

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The new LibrarySync enhancements will allow you to manage your drivers' content more closely and keep it updated as you see fit. We are giving you the power to control what your drivers see and have access to.

The Library was designed for content that the driver may need to refer to often. Training materials, Human Resource Documents, and Newsletters are most often found within the Library application on the ELD. While the library application has been wildly successful, we have had numerous requests to give you the power to control your own content. As you know by now, we develop and grow through your requests, your ideas, and your needs.

The original library content development and delivery procedures were sometimes time consuming to get custom content through the process and into the cab. That has now changed. With LibrarySync, when you want your drivers to have something, it is as easy as copying a file to get it to them.

The new library also supports title searches and will soon support organizational folders 5 levels deep.

If you have an urgent file that needs to go out, you should always use the messaging features of FleetWatcher. Fleet messages can be delivered immediately by using whatever communication is available and received by the driver faster than you may be able to reach them through the library. The Library is used for content that is not as time sensitive and is delivered only when the truck enters an open Wi-Fi hotspot.

Any questions you have about how to send a particular piece of content can be directed to Support@DriverTech.com and we will help you decide how best to deliver it.

Starting with TPC version 5.16, you will be able to provide your drivers library content that is mirrored from your own FTP server (Library Sync will not transfer empty directories and therefore will not show up in DTLibrary). Through FleetWatcher, you will set up your FTP address, and access information. (Currently requires a request to the DT Support Team as this feature is not yet exposed in FleetWatcher.)

FTP access information is sent to the unit as a Vehicle Setting and received when the unit boots up. Once the unit has the FTP access information, every time the unit connects to Wi-Fi it will check your FTP site and make sure the files within the Library match. New content is downloaded to the library and content that is no longer found on the FTP site is deleted.

Using this method, you can move content in and out as needed and your tractors will update their libraries when they connect to a Wi-Fi hotspot. The driver does not even have to be made aware that there is an update available; it delivers without input or request.

Preparing content for the Library is easy. If you can work with basic file types and FTP services, you can create and manage your driver's library. You must first have an FTP site, know how to connect to it and work with folders and files within it.

Each file the driver sees in the Library includes an icon, a title, and a description. The icon shown is based on the file type that is uploaded. The description of the file is stored in a .TXT file with the same file name as the document it represents. For example; you have a safety video you want your drivers to have access to called, **January 2013 Safety Video v1.wmv**. The title for the content (what we sometimes refer to as the "friendly name") is the same as the file name "*January 2013 Safety Video v1*" and the description you want is *2013 Q1 Safety Video, Featuring 2013 Driver of the Year: Clint Baum*.

You must have two files to represent content to the driver. One file is the actual content, in this case: **January 2013 Safety Video v1.wmv**, and the other is a text file with the same name, but a different extension, **January 2013 Safety Video v1.txt**. In this text file there is only one line. (See Figure 1.)

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The first line holds the description, *2013 Q1 Safety Video, Featuring 2013 Driver of the Year: Clint Baum*.

When the unit connects to an available Wi-Fi hotspot, it calls the FTP site so it can mirror what is found there. The system compares the FTP directory to what the Library holds, deletes any content that is no longer on the FTP site, and downloads any content that is not currently in the Library.

The driver interface is simple to navigate. The driver will see a search bar, a list of documents and page information with navigation arrows. The search allows them to look for content without knowing specifically where the file resides within the directory structure as long as they know some part of the friendly name of the file and the arrows allow them to move within the documents list.

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Things to Remember

The FTP site will look like this:

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1. New/replacement versions of documents and files must have unique names.
2. LibrarySync synchronization *only* takes place via Wi-Fi.
3. There are limits to how much content can be stored and how large each file can be.
 - a. The ELD Library has 4GB of total storage available.
 - b. Files larger than 100MB are not allowed to be sent.
 - c. There are limits to the types of files that are viewable on the units.
 - i. Names may only contain Alphanumeric and "-", "_"
 - ii. ELD Supported file types:
 - a. jpg, jpeg, tif, tiff, png, bmp, pdf, wmv, wma, mp3
- a. Getting documents into the Library via cell is possible, but takes extra time and *extra charges may apply*. If the tractor is never getting Wi-Fi, it may be necessary to troubleshoot the unit.
1. You control the server so you control the content.
2. FTP Server Information is stored in the Vehicle Settings Groups in FleetWatcher.

DriverTech and Rand McNally support can help with questions about the new library features and we can help support your setup of the system. Ultimately, the responsibility for the content and the server is yours.

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