

# WIRELESS SOFTWARE PART DISTRIBUTION SYSTEM



## Navigation Database Distribution at the Press of a Button

### Optimize Data Distribution, Configuration Control and Regulatory Compliance

Teledyne's Wireless Software Part Distribution System allows airlines to efficiently manage and transfer Software Parts (SPs) and navigation databases to their aircraft, **instantaneously and reliably, with the press of a button**. This integrated system enables airlines to transition from manual SP distribution based on floppy disks, CDs and paper-based methods, to a paperless and automatic distribution process. By reducing the steps and time required to perform manual loads, Teledyne's end-to-end solution speeds-up information delivery, minimizes costs, and optimizes efficiency and process management.

### Software Part Management from Desktop to Aircraft with LSE

The first component of the Wireless Software Part Distribution System is Teledyne's Loadstar® Server Enterprise (LSE), a ground-based software system featuring a web user interface that centrally manages the configuration, storage and electronic distribution of software parts to and from the airline's data loaders and airborne servers. From software part receipt, validation, and distribution, to loading and load record keeping, LSE streamlines the entire data distribution process, thus reducing manual efforts and improving the operator's ability to demonstrate regulatory compliance.

### Fleet-wide Wireless Distribution with the Wireless GroundLink® System

To automate the data distribution and loading process even further, the Wireless GroundLink® system provides cellular wireless connectivity between LSE and the onboard Ethernet-based data loaders, such as Teledyne's enhanced Airborne Data Loader (eADL), allowing software parts to be electronically distributed and loaded across the entire fleet automatically.

### No more Floppy Disks and Faster Data Loading with the eADL

With the eADL connected via Ethernet to the Wireless GroundLink system, software parts can be wirelessly transmitted from the LSE ground system directly to the eADL. From there, at the operator's command, the software parts can be loaded directly to the target LRUs. This reduces data loading time, eliminates the need to reproduce, distribute and load countless floppy disks every month and keeps human intervention to a minimum. Another benefit of Teledyne's eADL is its internal mass memory, which provides ample storage for onboard retention of past, current and next versions of airborne software applications and databases, facilitating LRU reloading at any location.



### MINIMIZE WASTE AND ERRORS

- Eliminate distribution delays due to manual distribution methods
- Eliminate delivery time from suppliers – electronic link to supplier websites
- Eliminate hours spent duplicating and distributing software
- Eliminate hours spent manually validating and tracking configuration
- Eliminate risk of departure delay due to lack of proper Software Part
- Eliminate risk that the wrong part is loaded into an aircraft

### MAXIMIZE EFFICIENCY AND SAFETY

- Provides full control of aircraft software configuration
- Provides full control of software distribution process
- Provides full control of Software Parts on the shop floor
- Traceability of data loading activity
- Better access to downloading data from the aircraft
- Validates proper aircraft configuration
- Demonstrates compliance to FAA

**Wireless Data Transfer of Software Parts to each Aircraft in your Fleet**

- ▶ Automate electronic distribution of Navigation databases to every aircraft every month with the touch of a button
- ▶ Global connectivity anywhere in the world through wireless technologies



**Eliminate floppy disks**



  
Back Office Integration

  
Automatic Transmission

  
Cellular Technology

  
Secure-Encrypted Data

  
Low Operating Cost

