

## Transaction Concentrator (TC)

The Transaction Concentrator (TC) is the backbone of the USPS mail processing system. As the mid-tier server of the three-tier system, the TC provides communication between the Mail Processing Equipment (MPEs) and the mail assignment server. Among the MPEs that communicate with the TC are MSWYB and MSWYB II, PostalOne!, AAA, SASWYB, and others.

The TC was designed according to USPS specifications. In addition, all labels processed by SAMS are supported by the current TC, including the new FedEx labels and Container Tags. Other labels include Air D&R, Surface D&R, ACT Tags, and the Generic Surface label.

Additionally, the TC processes a variety of transaction types:

- Transportation assignment requests - air and surface transportation assignments, cancellations, container tag requests.
- Sortation assignments - D&R bin assignments, ZIP Code, Bin number extraction.
- Status requests - SAMS, MIDAS, TC status.
- Data transfer requests - executable file or distribution scheme downloads.

### TC Characteristics:

- QNX-based platform
- PPP ready
- Transaction logging
- Software version 4.1

### Options:

- Help Desk Support
- On-site Installation
- Environmental Cabinet

### Requirements:

- 120 VAC, 20 AMPs
- Climate controlled room
- SAMS Connectivity
- Desktop PC with ISA slot for version 4.1

In summary, the TC provides:

- Support for all current label formats
- Operator consoles that provide access to the operating system
- A transaction log that facilitates system troubleshooting and monitors processing
- PPP communication for use during network outages
- Built-in security, which prohibits unauthorized personnel from accessing the system

### Contact

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### Legend:

**MSWYB** - Manual-Scan-Where-You-Band  
**AAA** - Automated Airline Assignment  
**SASWYB** - Semi-Automatic-Scan-Where-You-Band