



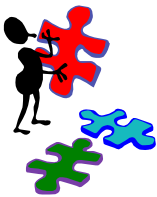
# TRAILER MANAGEMENT

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## Add On Systems



**Provides The  
Missing Pieces**

Trailer Monitoring and Management (TMMi) is a groundbreaking monitoring and management system for trailers. Coupled with one or more of the Untethered Trailer Tracking (UTT) systems, it is a powerful tool for managing and utilizing trailers. Until recently, knowing where all your trailers are and if they are being utilized or not has been a monumental task. The problem has been there was not any system to recognize exactly how much utilization you get of your trailers. Add On Systems has developed a trailer tracking and monitoring system for carriers that use the iSeries (AS/400) platform. With a communication software layer from the UTT vendor's database, AOS uploads the data to the iSeries platform to tie with the host dispatch system and the tractor mobile communication system. Therefore making tracking a trailer for usage, location, history or status easy.

The system is rules based, driven by carrier preferences. The system is made up of several sub modules: Trailer Control, Trailer Pools, Trailer Alerts, Trailer Security, Trailer Utilization & Reporting, and Trailer Detention. The purpose is to help carriers capitalize on the benefits of the UTT tracking devices to increase utilization, reduce tractor/trailer ratios, efficient management of trailer pools, provide security of a customer's freight, provide accurate detention times, and manage data exceptions.

## Benefits of Using the AOS TMMi System:

- Improve Operating Ratio:
  - 1) Increase Revenue
  - 2) Reduce Cost
- Improve Operations:
  - 1) Improve Customer Relations
  - 2) Better Customer Service Planning
  - 3) Reduce Service Failures
  - 4) Reduce Deadhead/ Improve Tractor Utilization
- Improve Trailer Management:
  - 1) Improve Utilization
  - 2) Better Pool Management
  - 3) Reduce Maintenance
  - 4) Reduce Trailer/Tractor Ratio
- Improve Employee Productivity:
  - 1) Improve Driver Satisfaction and Retention
  - 2) Improve Billing Accuracy for Detention

## TMMi Sub-Modules

### Trailer Control (TC)

- Interconnects the UTT vendor's data, the host dispatch system, and the carrier's mobile communications provider's data.
- Provides easy tracking of closest trailers, loaded/empty trailers, inactive trailers, low battery, etc.
- Multiple searches
- Monitors status of connects/disconnects, loaded/empty and unauthorized activities.
- Mapping – location of trailers

This process provides data integrity and accuracy for the carrier's operational personnel.

### Trailer Pools (TP)

- Rules for setting and managing customer trailer pool commitments.

This process identifies and eliminates excessive pools sizes.

### Trailer Alerts (TA)

- Monitors UTT, dispatch, and mobile comm. Data for inconsistencies.
- Exception based rules.
- Alerts appropriate personnel for action.

This allows for exception-based management of the massive amounts of data.

### Trailer Security (TS)

- Two-way communications with commands to the UTT control center.

This procedure allows user to handle Geofencing from their AS/400 terminal.

### Trailer Utilization (TU)

- The reporting piece.
- Allows for analyzing trailer issues and utilization.

### Trailer Integration

- Actual updating of the host dispatch database based on configuration values.
- Eliminates the need to enter data twice.

### Trailer Detention (TDi)

A rules-based, real-time data collection system. Supports notification, monitoring, billing and collection.

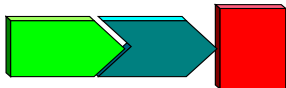
- Event Rules: (Alerts, Billing, Delays, Free Time, Notification, etc.)
- Real-Time Monitoring.
- Notify by email, fax, and/or phone.
- Billing integration to host invoicing system by event or date range.
- History
- Reporting

UTT data improves accuracy of events to properly invoice customer for detention and delays. TDi can be used without UTT data.

### Communications Layer

- Interface to the UTT vendor's database and control center.

Eliminates the need to search UTT vendors website for trailer information.



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