



# ***TMS Release 16.0***

## ***Bullets***

November 2007

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# Release Notes

## Introduction

TMS Release 16.0 represents RMI's latest effort to provide our customers with the most powerful and option-rich rail transportation software system available. Included in this release are hundreds of program changes, most of them enhancements requested by you, our customers.

The bullets included in this document provide you with a brief introduction to some of the more important system changes that are a part of this release. RMI will soon distribute a completely updated set of manuals that will provide additional details for the new features that are now available.

## Important Notes

RMI's Support Staff is available to assist you either by phone or in a custom training class designed to acquaint users with the features of this new release. Please give us a call at (404) 350-6497 or email us at [support@railcarmgt.com](mailto:support@railcarmgt.com) to learn more about the ways we can assist you to best use this powerful system.

Many of the enhanced features available in this release will not appear on the menu screens until you update each user's Soft Menus to access the new functions. Once this new release is installed, be sure to update your soft menu tables to make the new options available.

When this release is installed on your operation, one of the first steps you should take is to review your Customer Profile. It now includes many new options that you can use to customize the manner in which TMS operates on your railroad. You can familiarize yourself with some of these new options by reading the [Client Profile](#) section of this document.

## **I 6.0 Highlight: Switch Requests**

The TMS Switch Request function (formerly Customer Order) has been greatly enhanced for this release. The main purpose of the Switch Request module is to provide you a means of quickly reviewing requests for pickups and setouts by your online customers. In addition, by comparing the hours between the request for a switch and the time the service was completed, it gives you a way to track how well your operation is meeting your customers' needs.

The new TMS Switch Request module offers a comprehensive view of all work you are doing for a particular customer at a given point in time, including work requested via ShipperConnect. From this view you can also choose to move cars or complete other work pertaining to cars on the order.

Using the power of automated movement functions, TMS can also automatically create and populate switch requests whenever cars are inbounded or moved in the system. You can easily see what work needs to be done and then create and print work lists based on the switch requests.

For more detailed instructions on how to set up your operation and use the new Switch Request functions, please see Appendix: Switch Request Instructions on page 24.

# Client Profile

## RCPL Flag

Currently TMS will generate a Release from Constructive Placement record (RCPL) if the *Destination Track* field is updated in the waybill for a car currently under PCON status. You can now control this feature using the new *Auto Record RCPL When Ordered* field on the *Movement Related Setup* screen. If this flag is set to **Y**, the RCPL will be created as usual; if you leave this field blank, TMS will not write an RCPL record to history. (TMS 12373 – Fast Path: MMR)

## Parent/Child Flag for Cash Application Export

The *Use Parent for CA* flag on the *Client Interfaces* screen controls whether or not a parent/child customer relationship is transferred to the Cash Application. If you enter a **Y** in this field, all parent/child customer relationships will be maintained whenever data is exported to CA. If this flag is blank, the parent information will not be used when data is exported. (TMS 12565 – Fast Path: MSIF)

## Work List Options on Railroad Profile

A new option has been added to the *Railroad Profile Menu*: **17 Work List Defaults**. This new option allows you to choose whether or not TMS should automatically complete cars on work lists when cars are moved in TMS. (TMS 12982 – Fast Path: /MCL)

## Switch List/Work List Setup for Administrators

System administrators can now select which switch list and work list print options are available to their users. New option **14 SL/WL Report Menu Setup** from the *System Administrator* menu takes you to the *Switch List/Work List Report Menu Setup* screen, which allows you to specify the print options that will appear for your users. This option is useful if you want to standardize the switch lists that are used on your operation. (TMS 13645 – Fast Path: SLWL)

## Tons/Gross Tons Option

You can now choose to print Standard Consist #2 measured in gross tons instead of tons. To specify this setting, enter either **N=Net** or **G=Gross** in the *Standard Consist #2 Defaults (Report Type U) / Show Net or Gross Tons* field on the *Client Print Defaults* screen in the Railroad Profile. (TMS 14031 – Fast Path: MPD)

## Online Snapshot Hourly Run

A new option has been added to the *Client Interfaces* screen of the Railroad Profile that will allow you to run the online snapshot every hour instead of at a time based on the previous run. If you enter a **Y** in the *Run on the Hour* field, the online snapshot will be run automatically once an hour. (TMS 14248 – Fast Path: MSIF)

## Remove from Storage Options

Four new options have been added to the *Movement Related Setup* screen in the TMS Railroad Profile. If you select **Y** (yes) for any of the following options, any cars previously in storage will be automatically removed with an OSTH event when they are subject to the applicable RBIL, PACT, or Overlay movement:

- *Remove from Storage on Overlay*
- *Remove from Storage on Rebill*
- *Remove from Storage at ICHD*
- *Remove from Storage at Placement .*

(TMS 13093 – Fast Path: MMR)

## Offline Interchange Option

You can now set a flag in your Railroad Profile which will prohibit a car from being interchanged offline if the *To Be Weighed* flag in the waybill is set to **Y**. (TMS 14026 – Fast Path: MMR)

# Master Files

## AEI Status Options

A new option has been added to the AEI Sites master file that shows you basic information about the last transmission received from each reader. This function is available when you take option **F8=AEI Reader Status** from the *AEI Sites* screen.

In addition, you can now set up TMS to send out a notification automatically if AEI Sites do not show activity within certain specified times. If you select an AEI site from the *AEI Sites* screen using **L=Notify Levels**, the *AEI Non-Activity Notification Levels* screen appears. You can specify the number of hours for three separate levels of non-activity (*Low, Medium, and High*) and an *E-mail Distribution* list that should be notified when each is reached. (*TMS 14009 – Fast Path: MAEI*)

## Customer Synonym Enhancements

- The Synonym master has been enhanced to enable you to match customers based on two new customer types. You can now use a type **R\*** to match on Rule 11 (11) or Freight Bill Parties (PF). You can use **T\*** to match on types of Shippers (SH), Consignees (CN) or Care of Parties (C1). (*TMS 14110 – Fast Path: MSYN*)
- We have added a function to the TMS Synonym master file to track basic data about the last time the synonym was modified. If you enter a **1** to the left of any synonym entry to reach the *Synonym Detail* screen, you can see the person or program that modified the record and the date and time the change took place. (*TMS 13730 – Fast Path: MSYN*)

## Customer Records by Active Status

When working in the Customer Master, you can now choose to view records according to whether or not they are active or inactive on your operation. Use the **F10=Active/Inactive/All** key to toggle between views of all customers, active customers only, or inactive customers only. (*TMS 13637 – Fast Path: MCUS*)

## Customer Group Master Files Enhancement

On both the *Work with Customer Group* screen and the *Maintain Customer Group* screen, you can now filter the list using the following new header fields: *Customer Type, Station, Alt Code, City, State*. In addition, once you select a customer group, you can print or e-mail a list of the customer records that make up that group using the new **F6=Print** option. (*TMS 13703 – Fast Path: CGRPS*)

# Automatic Blocking

## Administration Screen Comments

You can now attach comments to a blocking rule by using option **F8=Comments** from the *Edit Rule – Administrative* screen for that rule. This is a useful option for recording the reasons for entering a particular blocking rule. (TMS 13402)

## Exclude from Scheduling Option

You can now exclude a car from automatic car scheduling using the following blocking tables: *Inbound EDI*, *Reverse Route*, *Car Distribution*, and *Inbound Interchange*. If you enter a **Y** in the new *Exclude from Car Schedule* field, all matching cars will be exempt from scheduling. For railroads that are scheduling traffic moving over their operation, this option can be used to omit certain traffic such as unit trains or maintenance of way cars from going through that process. (TMS 13958)

## Reclaim Auto-Movement

You can now start certain specialized reclaims automatically using the auto-movement blocking table. The *Reclaim* option is available from the *Assign Auto-Movement* screen in the table. You can enter the appropriate reclaim movement code, such as **RBG** or **RBG7**, and the *Advance Date* and *Time* at which the movement should occur on this screen. (TMS 13977)

## Auto-Move/Auto-Charge History

You can now review Auto-Movement and Auto-Charge history details by taking the new **F10=Auto Move** or **F13=Auto Charge** options from the *Waybill Blocking History* screen. (TMS 14327)

## Early Warning Wildcard Option

You can now use a wildcard character when specifying an Early Warning number on the select side of the blocking table. If you are entering an *Early Warning* value, specify **EW** or **MA** type as usual. When you enter a value in the *Number* field, you can use an asterisk (\*) as a wildcard. For example, if you enter **35\*\*** in the field, the table will select any value that begins with a 35. (TMS 13707)

## New Consist Match Type

A new *Consist Match Type* option has been added to the Automatic Interchange master file. When you enter **C=Actual/AEI** in the *Consist Match Type* field on the *Edit Automatic Interchange Entry* screen, TMS will process an actual interchange consist first if it finds it, followed by a consist created by a reader. (TMS 14133)

# Cars in Stations and Yards

## Advanced Special Instructions Option

A new option has been added to the *Cars on Inbound Consist* screen to allow you to view advanced special instructions. Enter **I=Adv Spec Instr** to see these instructions. (TMS 13508)

## New “Work Report” Work List

A new print format is available for work lists. Choose Work List Print option **WR=Print Work Report** from the work list *Report Menu* to create a work list showing both current and destination spot locations. (TMS 13572)

## Yard Manager View Totals Function

The new **F8=Selected Totals** function on the *Select Cars to Move* screen allows you to view a compiled list showing number of loads, number of empties, operating equipment, total number of cars, number of hazmat cars, total length of cars, and total weight of cars in tons. To use this function, select multiple cars with a **1**, then **Enter**, then press **F8** and the compiled list will appear. (TMS 13636)

## Switch List Enhancements

- An alternate format option has been added for Switch List 7. To include *Block To* values on this list, use **F12=Report Print Options** from the *Report Menu* to set additional printing preferences. On the *Report Print Options* screen, enter **X=Block To/Switch To Format** in the *Alt Format* field. (TMS 13838)
- An alternate format option has been added for Switch List 10. To include the Special Instructions indicator on this list, use **F12=Report Print Options** from the *Report Menu* to set additional printing preferences. On the *Report Print Options* screen, enter **S=Spec Instr & Track/Spot** in the *Alt Format* field. (TMS 13931)
- When you create a Switch List #10, you can now specify that it print in an alternate format that includes the actual track and spot numbers. To select this format, you must choose to work with additional **Report Print Options** on the *Report Menu*, then enter **S** in the *Alt Format* field of the *Report Print Options* screen. (TMS 14235)

## PACT - Final Arrival Generation

When a car is placed at a customer, TMS will look to see if a final arrival has been recorded in car movement history. If it has not, TMS will automatically generate a final arrival one minute before the placement time. This enhancement should help many TMS users improve on their TRAIN II reporting scorecards. (TMS 14138)

## Delayed Cars Highlight

To improve the visibility of delayed cars, any delayed cars or tracks containing delayed cars are now highlighted on screens and reports throughout TMS. A delayed or high priority car is any car with a waybill priority of A or B. A car can be set as high priority either manually or through the blocking tables. Delayed cars can also be set manually or through car scheduling in TMS.

The Priority Code now appears on screens that list cars, in the *BPS* column that also shows Bad Order and Special Instruction status. The *BPS* column shows if the car is under bad order, under high priority/delay status, or has special instructions. That *BPS* field for a car will be highlighted if the car is under delay or high priority.

*Priority* also appears as a filter option in the header of the *Select Car to Build Pending Train* screen, allowing you to select only from cars with a particular priority more easily.

(TMS 13957)

## New Movement Types

Several new local movement types are now available in TMS:

<b>RLOC</b>	Locomotive Rental
<b>CNOU</b>	Car Not Used
<b>CDES</b>	Destination Change Requested by Customer
<b>CTRA</b>	Car Transload
<b>RTRA</b>	Released from Transload
<b>LIST</b>	Track list has been generated; work can begin
<b>RFCU</b>	Rejected from Customer.

(TMS 14123 & 14238)

## Yard Manager Measurement

The weight display on the *Yard Manager* has been enhanced to allow you to switch between metric and US measurements. When you press **F12=Tons Unit of Measure** from the *Yard Manager* screen, the display now toggles between a view showing the *Weight* on the track in metric tons and the *Used/Left* length measurements in meters to a view showing the *Weight* on the track in short tons and the *Used/Left* length measurements in feet. (TMS 14272 – *Fast Path: YARD*)

# Trains

## Refresh Train Events

When you are working with scheduled train events in the Train master file, you can now update any planned or pending trains affected by the changes you have made using option **F4=Refresh All Events** on the *Scheduled Train Events* screen. (TMS 12772)

## Work List Print for Trains

You can now print a work list for cars in a train by entering a **P=Print** next to either a Pending or Active train in TMS. Once you take this option, choose the type **Q=Work list** to generate a work list quickly for the cars in the train. You can then choose one of the many work list print options available for providing crews with switch list instructions. (TMS 14030 – Fast Path: TRP & TRA)

## Future Train Consists

An option has been added to the *Active Trains* and *Pending Trains* list screens that will allow you to build and print a consist for future train departure events. When you select a train from one of these screens using the **4= Departure Consists** option, the *Pending Departure Consists* screen appears, showing all consists that have been created for departure events. From this screen you can print the consist, view cars, and work with car assignments. (TMS 14061 – Fast Path: TRP & TRA)

## Train Schedule Adjustment Option

The new *Auto Adjust Schedule* option, available on the *Edit Train Master* screen, allows you to adjust the timing of all train events based on the actual departure time of the train. If you enter a **Y** in this field, every time you create a pending train using this master file record, TMS calculates the difference between the new departure time and the train master departure time and the calculated amount will be added or subtracted from each event in the train schedule. (TMS 14186)

## AEI Scan for Set Out Cars

If a train is scanned via AEI as it departs a station, and cars previously attached to that train are not picked up by that AEI scan, those cars will now be set out in TMS on the default track of the last station at which they were shown as having arrived. (TMS 14217)

# Waybills

## Waybill Field Enhancements

- A new *Lock* field has been added to *Waybill Screen 3* which will prevent any additional incoming 417/418 from overwriting the data in the existing waybill. (TMS 12271)
- The new *Position* field, located on *Waybill Screen 3*, shows you the 219 Position (relative position of the shipment) for intermodal equipment. (TMS 13469)
- The new *Sender ID* field, located on *Waybill Screen 3*, shows you the party who sent the waybill. (TMS 13747)

## Waybill List Screen Enhancements

- A new **F7=Alternate Views** option on the *Waybill View/Select* list screen allows you to toggle to see the *Sender* for all waybills. (TMS 13747 – Fast Path: WBI & WBA)
- A new header field on the *Waybill View/Select* list screen allows you to search according to *Sender ID*. (TMS 13747 – Fast Path: WBI & WBA)
- The **F4=Process Waybills** functions allows you to print or send EDI for inbound waybills that have been selected using a **1** on the *Waybill View/Select* screen. (TMS 13747 – Fast Path: WBI)
- You can use the new **F8=Totals** function to view the total amount of inbound equipment that meets a certain criteria. For example, if you enter values in the *Sender ID* and *Block To* fields in the *Waybill View/Select* header for inbound waybills, then press **F8=Totals**, a pop-up screen will appear showing the number of loads, empties, operating equipment, hazmat cars, and total cars with those *Sender* and *Block To* values. (TMS 13747 – Fast Path: WBI)

## Exclude from Schedule Option on RWC

The *Edit RWC Miscellaneous Info* screen now includes an *Exclude Schedule* field. If you enter a **Y** in that field, all cars whose waybills are populated by that RWC will be exempt from car scheduling. For railroads that are scheduling traffic moving over their operation, this option can be used to omit certain traffic such as unit trains or maintenance of way cars from going through that process. (TMS 14146)

## RWC Seeding History

If you want to review the RWC seeding history for a car, you can take the new **Y=RWC History** option from any waybill list, consist list, or equipment history screen. (TMS 14326)

## RWC Delete Validation

TMS will no longer allow you to delete an RWC if it is being used in a waybill. You can re-name or inactivate this waybill if necessary. (TMS 14340)

## 404 to 417 Conversion

You can now manually convert a 404 in the Bill of Lading Queue into an inbound 417 using the **X=Convert to 417** function. This option is available on the *Waybill View/Select* list screen for inbound waybills and BOLs. Once you use this option, the system will assign a new waybill number and process the 417 as normal. To see all 417s that have been manually converted, enter **Y** in the *Source 404* field in the screen header of the *Waybill View/Select* screen and press **Enter**. (TMS 13661 – Fast Path: WBI & BOL)

## Multiple Waybills as EDI

You can now quickly send multiple waybills as EDI directly from the *Waybill View/Select* screen. Simply enter **4** (Send EDI) next to each waybill you want to send, then press **Enter**. The *Send Copy of EDI for Waybill* screen will appear. Copies of all selected waybills will be sent as EDI according to the specifications you enter on this screen. (TMS 13679 – Fast Path: WBI & WBA)

# Car Orders

## Auto Complete by Want Date

Previously, when you used the car order auto-complete function, you could only complete the orders based on Expiration Date. A new option has been added to allow you to complete orders by Want Date also. Simply enter either **W = Want Date** or **E = Expiration Date** in the *Based on \_\_\_ Date* field on the *Auto Close Car Orders* screen to choose the date type you want to use. (TMS 14092 – Fast Path: REC)

## Car Order on Yard Review

A new alternate view has been added to the TMS *Yard Review* screen. If you press **F7=Alt View** from the *Yard Review* screen, you will toggle to a view that includes the *Car Order Number* and *Want Date*. (TMS 13741 – Fast Path: YINQ)

## Car Order Pattern Partial Search

Previously, when working with car order patterns, if you entered a search value in either the *Customer* or *Pattern ID* header fields, you had to specify the exact value for TMS to return a match. This function has been enhanced to include partial matches. For example, if you are working from the *Manage Car Order Patterns* screen and enter a value of **CAR** in the *Customer* field in the screen header, the search will return all car order patterns for which the *Customer* includes “car,” such as for CARGILL, no matter how it is spelled or what the address type. (TMS 13744 – Fast Path: COP)

## Car Order Patterns Filter by Kind

A new filter option, *Kind*, has been added to the *Manage Car Order Patterns* screen, to allow you to search for only patterns with a specific car kind. (TMS 13678 – Fast Path: COP)

# Reports and Extracts

## Online Inventory Enhancements

- Previously, you could only select by car kind for the online inventory report using a range of values. A *Car Kind Group* field has been added to allow you to select records for the report according to car kind group. (TMS 12382 – Fast Path: RONL)
- Two new fields have been added to the *Online Inventory Report Control* selection screen to allow you to choose cars for the report based on trains. If you enter the name of an existing active train in the *Active Train* field, the report will include only cars on that train. If you enter **A** or **P** in the *Select Trains* field, the report will contain only cars on Active or Pending trains, respectively. (TMS 13178 – Fast Path: RONL)
- The new report type has been added to the online inventory report. The **F=Fleet Distribution Extract** report type creates an extract showing placement, bad order, and storage information about your online equipment. (TMS 13695 – Fast Path: RONL)
- You can now choose to select or exclude cars from the online inventory report based on how long they have been delayed. Delayed cars are those with a priority code of **B** that are being run through the car scheduling logic in TMS. Enter either **S=Select** or **E=Exclude** in the *Delay* field on the *Online Inventory Report Control 1* screen to choose or omit these records for the report. You can also enter a value in the *GT\_\_ Hours* field to show the minimum number of hours delayed to qualify. For example, if you **Select** cars and enter **48** in the *Hours* field, TMS will include all cars that have been delayed over 48 hours. (TMS 13961 – Fast Path: RONL)
- The Online Inventory Report feature that allows you to build an outbound consist has been enhanced so that you can now indicate both hours and minutes when specifying the delay time. This gives you far greater control when instructing TMS when and how to automatically build an outbound consist. (TMS 13880 – Fast Path: RONL)

## Blocking Summary Enhancements

- A new format has been added for the Blocking Summary report. If you choose option **C=Stn/Track/Switch To Trnover** in the *Sort By* field of the *Blocking Summary Report* selection screen, the report includes the *Switch To* values for each track. Records are listed according to *Station*, then *Track*, then *Switch To* value. (TMS 1398 – Fast Path: BSUM)
- You can now select records to include on the Blocking Summary report by *District*. (TMS 14082 – Fast Path: BSUM)

## History Activity Report Enhancements

- You can now select cars according to *Controlling Road*. (TMS 14043 & 14316 – Fast Path: HARPT)
- A new report type, **B=Block Summary**, includes all information currently appearing on the From/To report, plus subtotals of car counts and average dwell times by block-to codes. (TMS 13867 – Fast Path: HARPT)
- A new selection field, *Company Materials*, has been added for the report and extract. (TMS 14067 – Fast Path: HARPT)

## Date/Time Sort for Interchange Report

When you run the Interchange report (option **26 Interchange Report** from the *Print Menu*), you can now choose to sort the cars according to Interchange Date and Time by entering **I=Interchange Date & Time** in the *Car Sort By* field. (TMS 13124 – Fast Path: RIC)

## Consist Zone Summary Report with History

Previously, the Consist Zone Summary Report included only data for equipment currently at specified stations/zones, interchange activity recorded during specified dates, and consists currently active in Inbound Interchange. Two new fields allow you to add current information to data from previous iterations of this report to create a view of equipment and activity over a period of time. If you enter **Y** in the *Save Results On File?* field on the *Consist Zone Summary Report* selection screen, the data included in your report will be available to be added to future reports. The *Display Current Plus \_\_\_ Prior Iterations in \_\_\_ Format* field allows you to use previous data. You can specify how many previous iterations of the report you want to add into the report, and you can choose to create a new report (**R=Report**) or view and work with the data on a screen (**U=Update**). (TMS 13849 – Fast Path: CON)

## From Zone Select for Movement History by Shift Report

The Movement History by Zone report was modified so that you can now run the report based on the “From” zone. (TMS 13871 – Fast Path: MHS)

## Total/Rates for Bad Order by Days Out

The Bad Orders by Days Out report now includes a *Total* column showing you the car hire rate calculated for the total number of hours in bad order for each car. (TMS 13503 – Fast Path: BODO)

## Outbound Block Analysis Report

The new Outbound Block Analysis report, available from option **54** from the *Print Menu*, enables you to quickly review TMS inventory for cars blocked to offline destinations. The report divides the matching cars into 4 categories: *In Yard*, *S/O in Zones*, *En-route*, and *At Industry*. A summary of totals, loads, and empties appears for each category. You can also run a detail version of the report that includes specific car information. (TMS 13700 – Fast Path: OBR)

## Dwell Report Blocking Summary

You can now choose to break down the figures on the Dwell Report according to *Block To*. The *Dwell Report* selection screen now has a *Blk Summ* option for each report category. If you enter a **Y** in one of these fields, the dwell time will be broken down according to *Block To* for that category when the report is run. (TMS 14087 – Fast Path: DWELL)

## New Online Snapshot Fields

The following fields have been added to the Online Snapshot. These fields appear in the extract after *Cubic Feet Capacity*, but before *Create Date* and *Create Time*. (TMS 14178 – Fast Path: OSS)

<i>Controlling Road</i>	4
<i>Hours at Station</i>	5.0
<i>Reclaim Code</i>	2
<i>Reclaim ID</i>	4
<i>Car Hire Indicator</i>	1
<i>Into Storage Date</i>	8.0
<i>Into Storage Time</i>	4.0
<i>Out of Storage Date</i>	8.0
<i>Out of Storage Time</i>	4.0

## Station/District Select for Train Departure Schedule Report

You can now run the Train Departure Schedule report for a specific *Station* or *District*. (TMS 14214 – Fast Path: TDE)

## PCON Re-classification on Measurement Reports

Formerly, on the Data Entry Performance Report and the Auto Move Measurement Report, constructive placements were included under the category *Customer Moves*. Now, to improve reporting accuracy, PCONs are considered to be *Other Events*. (TMS 14124 – Fast Path: PERPT & AMRPT)

# Incidental Billing

## Automatic Blocking Rules

You can now view blocking rules associated with a particular charge from the *Show Incidental Charge Master* screen by entering **A=Autocharge Use** next to a charge. (TMS 13684 – Fast Path: MCHA)

## Scheduled Invoicing

You can now run switching and miscellaneous invoicing as a scheduled job within TMS. Use the **ICINVPRT** command within TMS Job Scheduler to set up TMS to print the invoices on the dates and times you require. (TMS 13979 – Fast Path: SCH)

## Charges from Deleted Waybills

Previously, when a waybill was deleted, you could no longer view any incidental charges associated with that waybill. Now, TMS will still display billed charges from the *Incidental Charges* screen, even if the associated waybill has been deleted. (TMS 14209 – Fast Path: CH)

## “Remove All” Function for Billing

When you are working with individual bills for a particular invoice on the *Work with Invoice* screen, the new **F13=Remove ALL (to Unbilled)** option allows you to reset all cars on the invoice back to unbilled. This option is useful if you need to create a revised invoice, and it may only be used after all charges have been voided and copied. (TMS 14244 – Fast Path: ICINV)

## Unbilled Charges on Invoice

The TMS incidental charges function has been enhanced to allow you to add existing unbilled charges to an invoice. Previously, you had to create a new charge to add it to an invoice; beginning with this release, however, you can select existing charges to add by pressing **F2=Add Unbilled Charge** from the *Work with Invoice* screen. (TMS 13713 – Fast Path: ICINV)

## Purge Records from Missing Charges Queue

You can now delete obsolete records from the Missing Charges Queue using the new **F23=Purge** function. When you select this option from the *Work with Missing Switch/Haulage Charges* screen, the *Hold Queue Purge Selection* screen appears. The fields on this screen allow you to specify the criteria TMS will use to delete records from the queue. (TMS 13917 – Fast Path: MCHLD)

# Demurrage

## Demurrage Trial Invoice Summary Option

When you print trial invoices for demurrage, you can now choose to print only the summary information, so that you can quickly see totals by demurrage code. Use the *Print Detail/Summary* field on the *Print Demurrage/Storage Invoices* screen to take advantage of this feature: enter **D** to print detail information only, **S** to print summary information only, or **B** to print both detail and summary information. (TMS 12524 – Fast Path: DETR & DEINV)

## “All Demurrage” Print Selection

Several demurrage print options have been enhanced with a new **Z=All Demurrage** selection that allows you to extract or print all demurrage while excluding storage charges. You can use this selection with the following options from the *Demurrage Menu*: **1 Print Worksheet**, **2 Extract & Bld Current Charges**, **4 Print Trial Invoices**, and **5 Print Final Invoices**. These options now also contain edits so that **Apply Force Release to Storage** will only work with equipment in storage. (TMS 11849 and 13621 – Fast Path: DEW, DEXT, DETR, DEINV)

## Re-Spot Miscellaneous Charge Code

A new miscellaneous charge code has been added to the Demurrage/Storage master file. **ReSpot -CR** can now be used to denote cars that are released empty and re-loaded. The charge is a credit (negative amount) that will apply to the current car. (TMS 14246 – Fast Path: DECH)

## Demurrage Print with Miscellaneous Charges

If you use miscellaneous demurrage charges, TMS will now include those charges when you choose to print **S=Straight** demurrage invoices. (TMS 14394)

## Demurrage Invoice

The demurrage invoice print option has been modified so that any impact from an ORDR move will appear on the invoice. (TMS 13483 – Fast Path: DETR, DEINV, DERPR)

## Demurrage Worksheet

The demurrage worksheet option has been modified to allow you to print trial invoices prior to running the actual demurrage extract. This new option will allow you to see a more accurate preview of demurrage charges before the actual extract. (TMS 13620 – Fast Path: DEW)

# EDI

## 824 Embargo Messages

TMS will now accept EDI 824 messages from Forward and Store for cars that need to be held due to embargo. When these messages are received, TMS will route them to the Forward and Store Errors Queue and send out an e-mail notification to all assigned e-mail addresses. (*TMS 13563 and 13564 – Fast Path: STF&S*)

## EDI Control Option

A new option has been added for the EDI Override flag. If you enter a **D=Run EDI Forward at ICHD** in this field (*EDI Override on Waybill Screen 1 or Send EDI to Override on the Edit RWC Miscellaneous Info screen*), TMS will automatically run the waybill through the EDI forwarding table when the car is interchange delivered (ICHD). This will not affect the sending of EDI. (*TMS 13900*)

# Supertrip

## Lock Status

You can now lock a Supertrip record to prevent that record from being updated until the lock status has been removed. To lock a record, take option **F21=Administration** from any *Supertrip Parent Record* screen, then enter a **Y** in the *Lock ST Record* field. Locked records are highlighted on all Supertrip record list screens, and you can specify the lock screen as a select/omit field when you create or modify a Supertrip report. (TMS 13872)

## Supertrip Moves Alternate View

An alternate view has been added to the *Equipment History* screen showing Supertrip moves. This view includes the *Waybill Control Number*, *Entry User*, *Date*, and *Time* for the movement. In addition, you can now search for a particular movement on this screen using the *Find Car* and *Date* fields in the header. (TMS 14005)

# Appendix: Switch Request Instructions

The new TMS Switch Request module offers a comprehensive view of all work you are doing for a particular customer at a given point in time, including work requested via ShipperConnect. From this view you can also choose to move cars or complete other work pertaining to cars on the order.

Using the power of automated movement functions, TMS can also automatically create and populate switch requests whenever cars are inbounded or moved in the system. You can easily see what work needs to be done and then create and print work lists based on the switch requests.

## Switch Request Patterns

The switch request module uses patterns that you can create for each customer or for a job serving a particular shift or location within a customer. These patterns establish standards that regulate how the switch requests are created.

Select option **30 Switch Request Patterns** from the *Master Files* menu to work with switch request patterns; press **F9** to create a new pattern.

RSESE1R	QA	Edit Switch Request Pattern	RMIJWA
Pattern ID: _____ Use as ShipperConnect Template __ (Y, ' ') ACT/INACTIVE A			
Customer: _____			
Description: _____			
Station: . _____ Track: . _____ Cost Center: _____			
Create/Assign Work List: __ Work List ID: _____			
Compliance Hours			
Car Level: Inbound to Customer ____ Outbound from Customer/In plant ____			
Overall for Pattern: ____			
Advance Ready Time by: ____ Hrs or Fixed Ready Time: ____			
Complete Hours: ____ Complete When Last Car Completes: __			
Create New Order Cut Off HH/MM: __ __			
Instructions:			
F3=Exit F8=Instructions F11=Delete F14=ISO			

### Identifying Switch Requests

Enter a *Pattern ID* and a free-form *Description* that will allow you to identify the pattern easily. You must also enter a *Customer* that identifies the specific customer requesting the work.

Enter a **Y** in the *Use as ShipperConnect Template* field to allow your customers to use this pattern from ShipperConnect.

If you enter a **Y** in the *Create/Assign Work List* field then specify a *Work List ID*, TMS will automatically create a new work list when cars are moved to the switch request. The *Cost Center* field allows you to assign particular work to a cost center in your railroad's accounting system.

If you want to add special instructions to the request that will be printed on all work lists, press **F8** then type in any necessary free-form instructions on the *Text* screen.

## Setting Up Switch Request Movements

Compliance time is the measurement of the time between when a customer orders a switch request and when the railroad makes the switch. TMS compares this time against the values you enter in these fields. When it takes longer to make the switch than the compliance limits specified, the cars are considered out of compliance. A non-compliance code is assigned to any car found to be out of compliance. You can define these codes in the new Non-Compliance Reason Codes master file.

You should specify compliance limits for each of the following types of moves:

- *Inbound to Customer* (includes all PL moves destined to the Customer) and
- *Outbound from Customer / In Plant* (includes all PU or IP moves coming from the customer and all in-plant switches)
- *Overall for Pattern* (includes all movements associated with the switch request pattern).

You can specify a standard time when a switch should occur in relation to the time the customer requests it using the *Advance Ready Time* field. TMS will automatically add the number of hours you enter in this field to the switch request time to show when a switch should occur. You can also specify a set time for this measurement in the *Fixed Ready Time* field if you regularly service a customer at the same time every day.

The *Create New Order Cut Off* field controls when a new request is created from the pattern. Whenever a qualifying movement occurs, TMS will try to assign the car to a switch request. If an open request exists, TMS will add the car to that request unless the specified amount of time has elapsed since the request was created. In that case, TMS will create a new switch request based on that pattern. For example, if you want to create a new switch request every day for a customer, you should enter 24:00 in the *Create New Order Cut Off* field. In that case, each request that is created will accept cars for 24 hours.

## Completing Switch Requests

You can, of course, manually complete switch requests. If, however, you do not want to keep up with this task manually, you can set the *Complete Hours* field to automatically complete a request a specific number of hours after it was opened and then set up a job (AUTOCOMP) in the TMS scheduler to automatically check for and complete switch requests that have exceeded their limit. You can also enter a **Y** in the *Complete When Last Car Completes* field to complete a request when all cars on the request are completed.

# Switch Request List

Take option **30 Switch Requests** from the *Rail Operations* menu to get to the *Work with Switch Requests* screen.

RSGCDFR	EJE	Work with Switch Request				RMIJWA			
-----									
Find: Customer		Number		Status	Ready Date				
Switch Request		Car		Station	Track				
-----									
		Railroad	Ready			Ord In	Ord Out	Other	
? Customer	Order #	Date	Description	L	E	L	E	L	E Tot P
CARGIL	CHI	1519	9/03/07	CARGIL DAILY	2	1	0	0	0 3 Y
CARGIL	CHI	1575	9/04/07	CARGIL DAILY	5	0	1	0	0 6
-----									
Bottom									
1=Select    5=W/W Cars    C=Charges    M=Move Cars    P=Print Menu    R=Resequence									
W=Create Work List    L=W/W Work Lists    F6=Add From Pattern    F7=Alt View									
F9=Add New Order    F10=Open/All Toggle    F3=Exit									

This screen lists all existing switch requests. It shows you at a glance the number of cars ordered by each customer. An alternate view shows the pertinent dates associated with each request.

RSGCDFR	DEV	Work with Switch Request				RMIJWA			
-----									
Find: Customer		Number		Status	Ready Date				
Switch Request		Car		Station	Track				
-----									
		Railroad	Open	Notify	Ready	Complete	Cars		ORD
? Customer	Order #	Date	Date	Date	Date	Open Comp	NC	STS	
CARGIL	CHI	1519	8/03/07	8/03/07	9/03/07	2	1	0	0
CARGIL	CHI	1575	9/04/07	9/04/07	9/04/07	6	0	0	0
-----									
Bottom									
F7=Alt View    F9=Add New Order    F10=Open/All Toggle									
F3=Exit    F24=More Keys									

From these screens you can perform several standard TMS car functions, including moving cars, working with incidental charges, and creating/editing work lists.

If you want to work with an existing request, select it with a **1**. To add a new request manually, press **F6=Add from Pattern** to add a request from an existing switch request pattern or **F9=Add New Order** to add a switch request that is not based on a pattern. The *Edit Switch Request Header* screen appears to let you create or edit a request.

```

RSEQE1R      DEV      Edit Switch Request Header      RMIJWA
Customer CARGIL      CHI CARGIL      Switch Request CARGIL
Car Count  1  Status O  Based on Pattern      Railroad Order #  1519
Description CARGIL DAILY WORK
Station/Track CHICAGO CARGIL      Cost Center 112233
Create/Assign Work List Y Work List CARGIL      Printed Y/N Y
Ordered      Input By AUTOMATIC
  Opened  80307 1501
  Notified 80307 1501 Notify Hours    1
  Ready   80307 1601
Completed      Total Hours    0  Overall Compliance Goal:  12
In Compliance? Non-Compliance Reason
Car Level Compliance: Inbound  12  Outbound/In Plant  12
Complete Hrs:  120  Complete When Last Car Completes: Y
Create New Order Cut Off HH/MM: 12
Instructions:

F3=Exit  F5=Work with Cars  F6=Add Cars  F8=Instructions  F11=Delete  F14=ISO
F13=Create Work List  F15=Move Cars  F18=Charges  F19=Add Car Entry List
    
```

From the *Edit Switch Request Header* screen, you can edit the fields that were automatically populated by the switch request pattern. You can also perform the following functions:

- F5**            edit the cars already associated with the request
- F6**            add cars to the request
- F8**            add or edit switch request instructions
- F11**           delete the switch request
- F13**           create a work list from this switch request
- F14**           view data necessary for ISO compliance
- F15**           generate car movements
- F18**           work with incidental charges
- F19**           request additional cars.

## Switch Request Client Profile Options

TMS contains several new client profile options that define how your operation will use the switch request function. These options appear on the *Customer Interface Setup* screen (option **20 Customer Interface Settings** from the *Railroad Profile Menu*).

RSEZE1R	DEV	Customer Interface Setup TMS Version is: 16.0	RMIJWA	CHANGE
Road Mark: LIRC		Name DEVELOPMENT	260 Number 434	
-----				
Customer Interface Process: . . . . . H '=Automatic, H=Place on Hold				
Customer Interface Process in Hours . . . Hours				
<b>Update Switch Request from Move Events: . Y (Y,')</b>				
Auto create Work List when Shipper Connect				
creates new Switch Request: . . . . . Y (Y,')				
<b>Require Pattern when adding Switch Request: (Y,')</b>				
<b>Permit Dup Switch Requests per Customer: Y (Y,')</b>				
F3=Exit				

New switch request options include

*Update Switch Request from Move Events*

If you enter a Y in this field, whenever a car on a switch request is involved in a qualifying movement event (pull or placement), the car is automatically completed

*Require Pattern when adding Switch Request*

If you enter a Y in this field, you cannot create a new switch request without basing it on a switch request pattern.

*Permit Dup Switch Requests per Customer*

If you enter a Y in this field, you can create more than one active switch request for each customer.



## Work List Functions

The switch request function is closely tied to the work list function so that you can easily and quickly create a work list based on requests from the customer.

If you want to do this from the switch request, you can automatically create a work list every time a switch request is created by populating the *Create/Assign Work List* and *Work List ID* fields on the *Switch Request Pattern* screen.

You can also associate switch requests to a work list from the work list master file. To do this, select option **29 Work List** from the *Master Files* menu, then enter **8=Switch Request Patterns** next to the work list pattern you want to use.

RSKJEFR	DEV	List Switch Request Patterns		RMIJWA
List ID: SOUTHSIDE		SOUTHSIDE SWITCHER		Tot Switch Req Patterns
Find: Customer		Pattern		2
?	Seq Customer	Pattern	Description	
	10 CARGIL	CHI CARGIL	CARGIL DAILY WORK	
	20 AGENT	CHI DD2	Agent desc	
				Bottom
C=Comments D=Delete F3=Exit F8=Select Patterns F9=Resequene				

The *List Switch Request Patterns* screen shows you the switch request patterns associated with that work list pattern. To add a switch request pattern, press **F8=Select Patterns**, then choose the appropriate pattern.

Then, when you create a work list based upon this work list pattern, TMS will find any switch requests based upon these switch request patterns and will add these switch requests to the work list. You must then manually add the cars on the switch requests to the work list using the new **8=Switch Requests** function from the *Work Lists* screen.

RSIQDFR	DEV	Work Lists				RMIJWA				
Find: Work List		Date	Time	Car		Total:	111			
Description										
? Work List	Date	Time	Description	Lead Car	Cars	Track	Req	L	H	Switch
A&KRR	062607	14:42	Auto Block	MLHX 12304	6	1	0			
ADM	081607	9:01	ADMMILLIN "SHIPPE		0	0	1			
ADM	090407	14:48	ADMMILLIN "SHIPPE	HHSS 400	4	0	1			
AEI-RMIR29	121506	12:36	AEI WORK LIST CREATE	HHSS 514072	7	0	2			
AEI-RMIR29	020807	12:29	AEI WORK LIST CREATE	SMHX 2002	3	0	0			
AUOCRT	081007	23:59	AEI WORK LIST CREATE	SMG 100972	83	0	0			
CARGIL	071107	15:56	CARGIL DAILY WORK	UP 22013	2	0	0			
CARGIL	071607	15:00	CARGIL DAILY WORK	UP 22005	8	0	0			
CARGIL	071807	7:51	CARGIL DAILY WORK	UP 22005	8	0	0			
CARGIL	071807	8:38	CARGIL DAILY WORK	POPU 20263	9	0	1			
More...										
1=Select    5=Cars    7=Tracks    8=Switch Request    B=Bill Empties    C=Charges H=History    M=Move Cars    P=Print    R=Resequence    U=Update Cars    W=Weights F=Merge Cars From    T=Merge Cars To    X=Copy Without Cars    S=Save To History F3=Exit    F6=Add From Master    F9=Add New List    F10=All List History										