



Leveraging Demurrage Transactions for Rail Car Tracking

By

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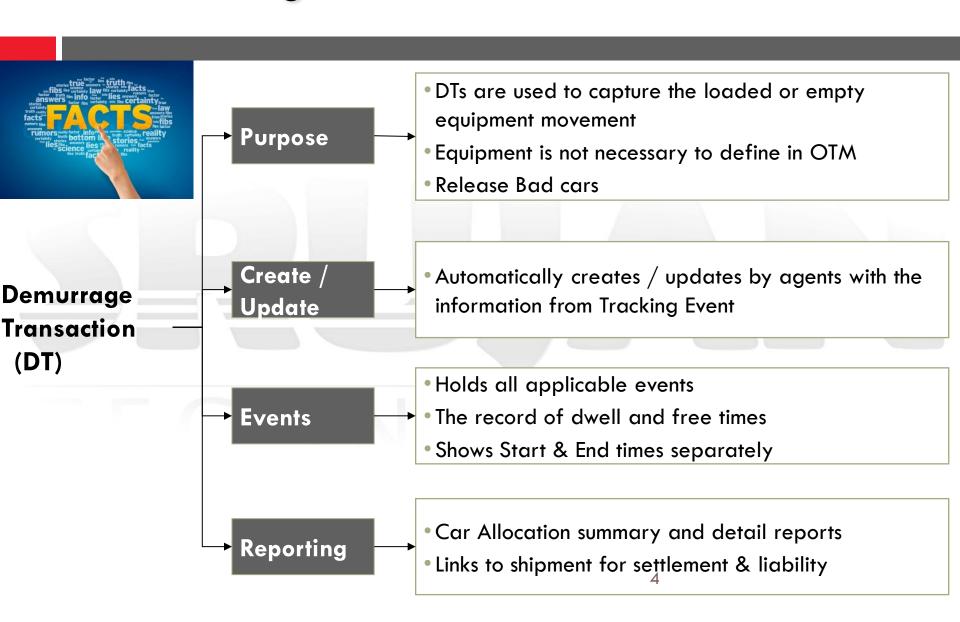
- Basics of Demurrage Transaction
- Rail Car Booking Process
- Empty Rail Car Visibility
- Integrations with Demurrage Transactions & Tracking Events
- Planning Restrictions
- Reporting Options



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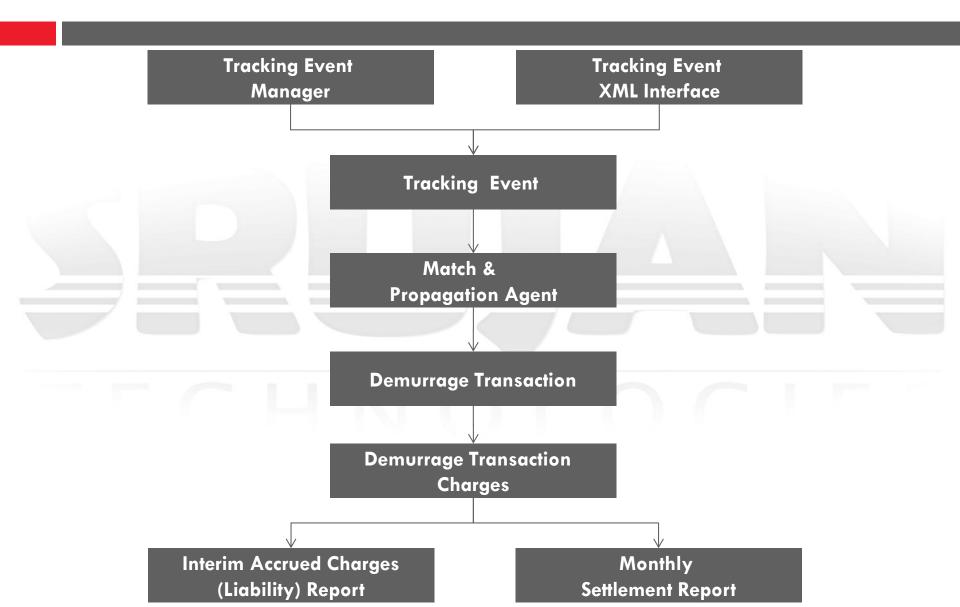


Demurrage Transaction — Basics





Demurrage Process Flow





- Basics of Demurrage Transaction
- □ Rail Car Booking Process
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Rail Car Booking Process

- Following steps perform before rail car ordering process:
 - Shipments forecast
 - stimating rail cars by day / week and by Location
 - Negotiations with Rail Carriers

 Placing required Rail Car orders with carrier via their web portal, etc

 Store the final negotiated rail cars by day / week by location in OTM or outside of OTM



Rail Car Booking Process contd...

Negotiated final list of ordered rail cars

Date	Dest. Location	Confirmed Cars
22-Jul	Chicago	30
22-Jul	Milwaukee	25
23-Jul	Racine	15
25-Jul	Chicago	20

 We don't have any visibility of these rail cars start date, arrival, where they are & car marks



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Empty Rail Car Visibility





Empty Rail Car Visibility contd...

- □ Prior to OTM 6.3
 - We may need to create equipment and/or SAW shipment
 - Capture events either on Equipment / Shipment
 - Release Equipment / Shipment for bad cars





Empty Rail Car Visibility contd...

- □ What's New in OTM 6.3?
 - Demurrage Transaction and Events will replace them
 - No need of creating equipment SAW shipment



- Capture the events (Web / EDI) on Demurrage Transaction
- Release the bad cars by sending Demurrage Transaction object



Empty Rail Car Visibility - Sample





■ Basics of Demurrage Transaction

□ Rail Car Booking Process

□ Empty Rail Car Visibility

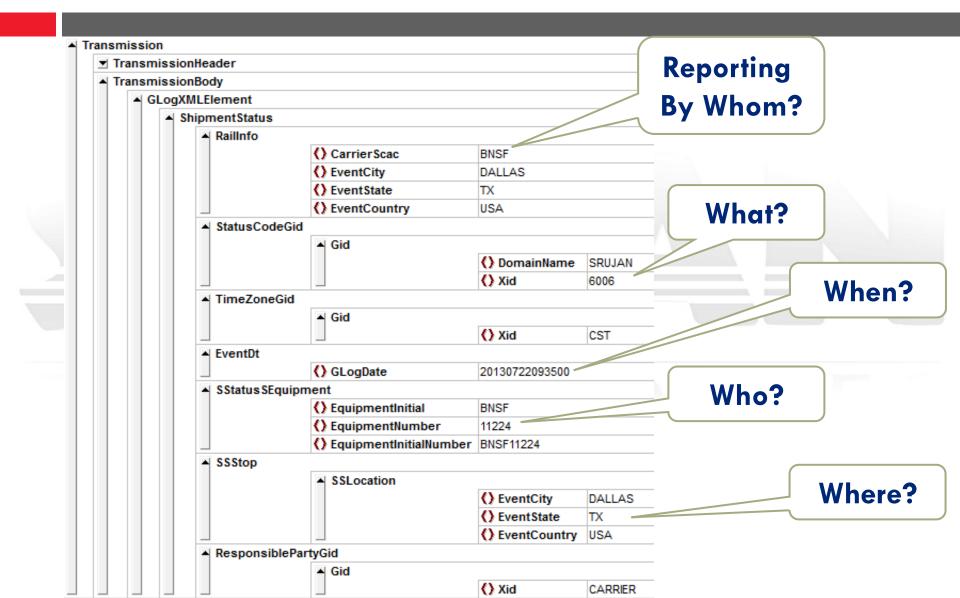
Integrations with Demurrage Transactions & Tracking Events

□ Planning Restrictions

□ Reporting Options



Tracking Event XML





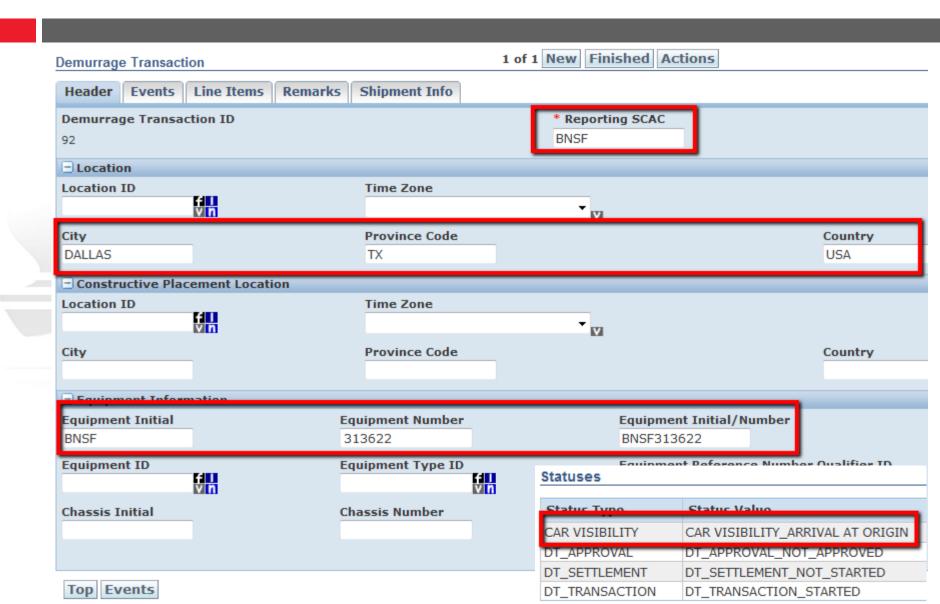
Tracking Event Agent

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Top Error Handler

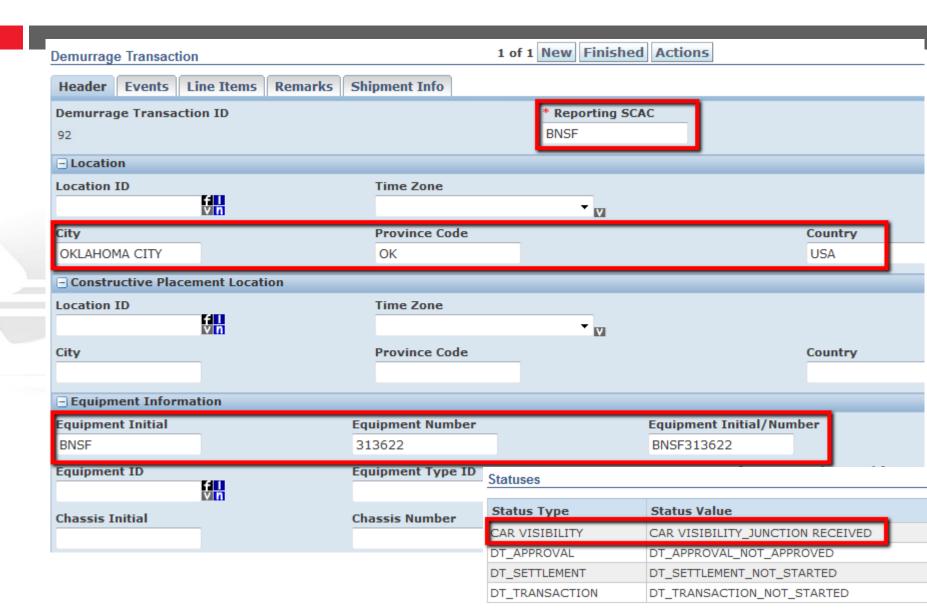


Demurrage Transaction - Origin



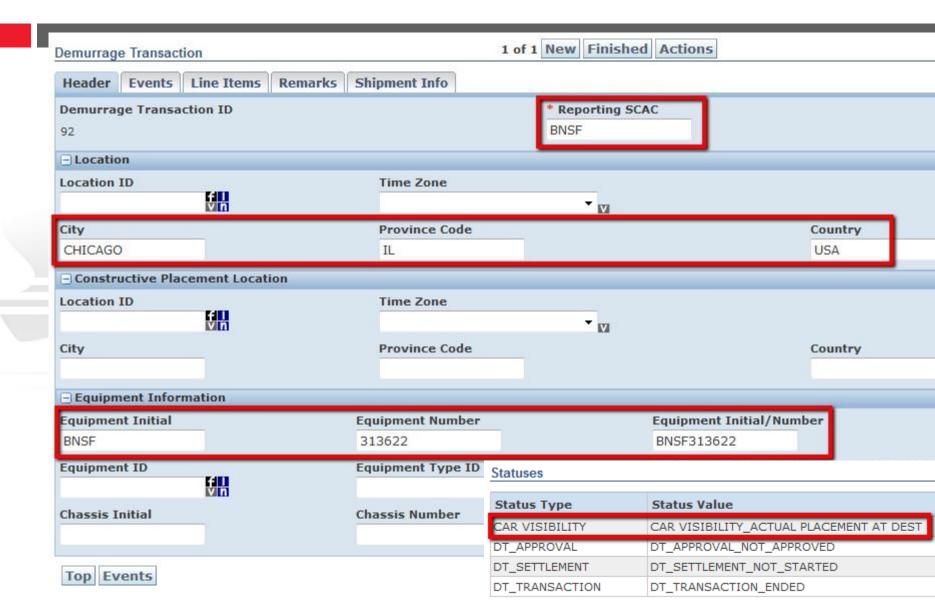


Demurrage Transaction — Jct.



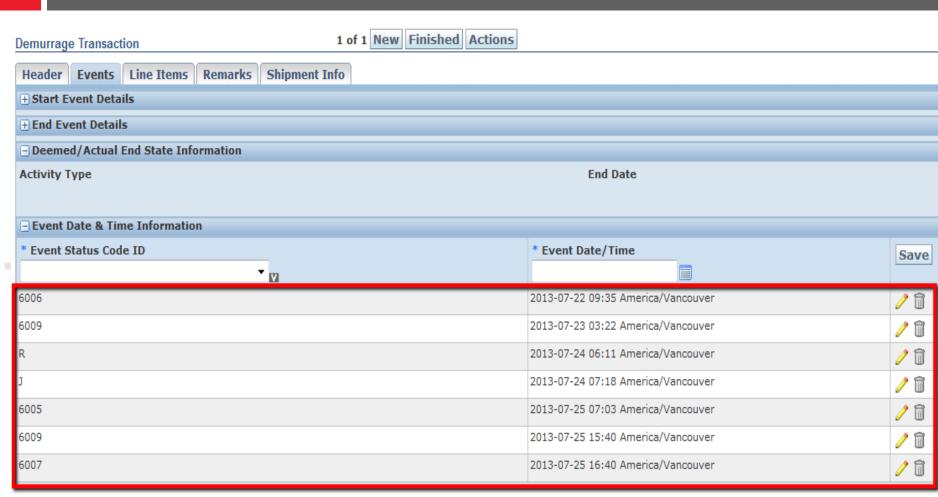


Demurrage Transaction – Dest.





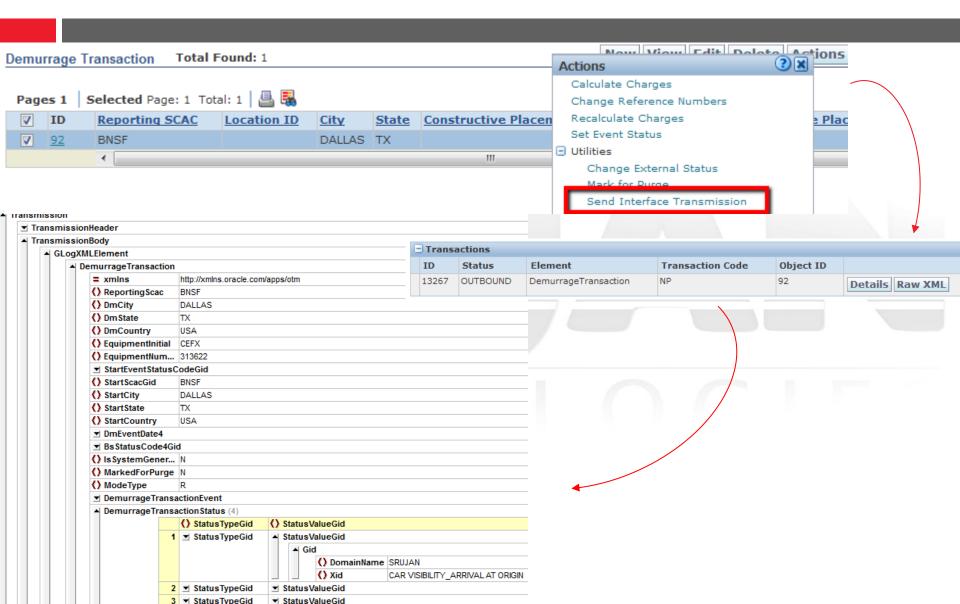
Demurrage Transaction Events



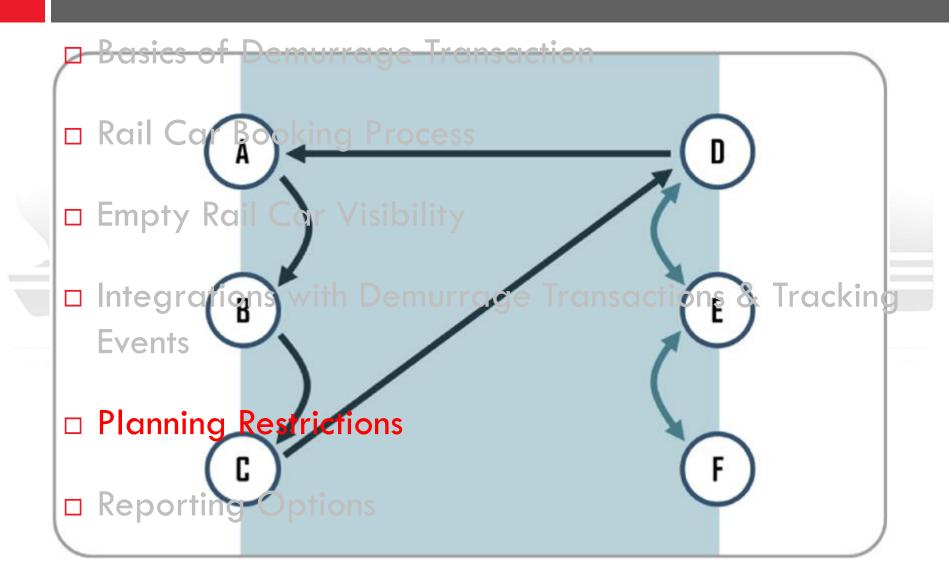
Top Line Items



Demurrage Transaction Outbound



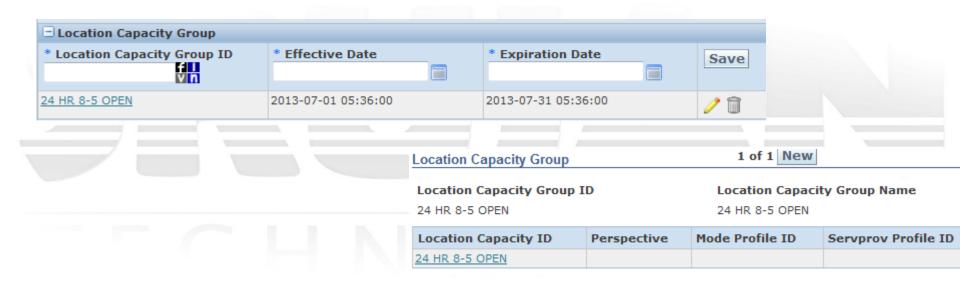






Planning — Location Capacity

 Restrict expected rail cars by location by day/week using location capacity



Location Capacity	1 of 1	New	
Location Capacity Detail			
Activity ID	Capacity Type	Capacity Allocation Rule	Time Bucket Duration
PICKUP	SHIPMENT	ALL BUCKETS	1D 0M
Maximum Quantity	Target Quantity	Below Target Penalty	Above Target Penalty
2	2		



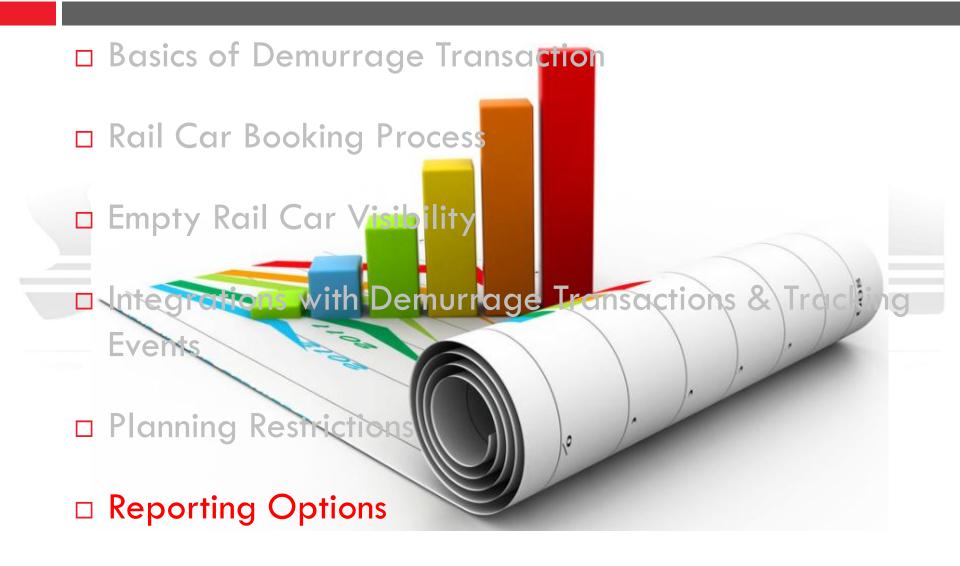
Planning – Carrier Commitment

Restrict expected rail cars by location by day/week using Carrier Commitment

Commitment	Count	1	of 1 New Ac	tions		
Commitment Count ID Capaci		Capacity Group ID	Comm	itment Lane Object Type	Lane ID	
CARRIER COMMITMENT_1		CAPACITY GROUP 1	SHIPMENT		<u>283</u>	
Effective Date		Expiration Date	Per		Primary Count Type	
2013-07-22		2013-07-22			SHIPMENT	
Records						
Record	Number of Shipmen	ts	Record	Mileage	Recor	rd
≪	30		Δ		Δ	
Record	Total Volume		Record	Monetary	Recor	rd
Δ			Δ		Δ	
Record	Equipment Group Pr	ofile		Equipment Group Profile Count	Recor	rd
Δ					Δ	

Top Refresh







Reports – Cars Allocation Summary

Summary of cars allocation by date and location

Date	Dest. Location	Confirmed Cars	Intransit	Rcvd.	Bad Cars	Loaded / Shipped	Rail Orders / Shmts	Available Cars
22-Jul	Chicago	30	29	0	0	0	30	-1
22-Jul	Milwaukee	25	0	25	0	0	25	0
23-Jul	Racine	15	0	15	1	14	20	-6
25-Jul	Chicago	20	0	25	0	15	15	10



Reports – Car Spotting Details

□ This report can extend to get further more details

Date	Dest. Location	SCAC	Eq. Initial	Eq. #	Start City	Start State	Car Status
22-Jul	Chicago	BNSF	BNSF	12345	Dallas	TX	ARRIVAL AT ORIGIN
22-Jul	Chicago	BNSF	BNSF	22346	Dallas	TX	ARRIVAL AT ORIGIN
22-Jul	Chicago	BNSF	BNSF	32347	Dallas	TX	ARRIVAL AT ORIGIN
22-Jul	Chicago	BNSF	BNSF	42348	Dallas	TX	ARRIVAL AT ORIGIN
22-Jul	Chicago	BNSF	BNSF	52349	Dallas	TX	ARRIVAL AT ORIGIN
•••	•••	•••	•••			•••	
25-Jul	Chicago	CSX	CSX	11111	Jacksonville	FL	ACTUAL PLACEMENT AT DEST
25-Jul	Chicago	CSX	CSX	22222	Jacksonville	FL	ACTUAL PLACEMENT AT DEST
25-Jul	Chicago	CSX	CSX	33333	Jacksonville	FL	ACTUAL PLACEMENT AT DEST
•••	•••	•••	•••	•••	•••	•••	•••
4							







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