

# Damaged Defective Car Tracking (DDCT) System

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# Agenda

- DDCT Overview
- Incident Lifecycle
- FindUs.Rail
- New Functionality in 2018
- What's coming in 2019
- Reference Guides for DDCT







- The Damaged and Defective Car Tracking system (DDCT) was implemented January 5, 2011
  - Developed for the electronic transmission of damaged and defective equipment
  - Replaced physical defect card placed on car
- Supports communication between Handling Carriers (HC) and Car Owners (CMO) on damages or defects per AAR Interchange Rules 1, 95 A, 96, 107 and 108
- Allows HC to create electronic defect card per AAR Interchange Rule 102
- Utilizes notifications to HC, CMO and shop throughout the DDCT workflow utilizing FindUs.Rail







## DDCT Incident Types

#### **Damaged Incident Carrier Responsibility**

#### Rule 107 – Major Damage

- Car Hire Implications
- Settlements can be offered.
  - Dispositions made
- Defect Cards are created

#### **Rule 95 – Minor Damage**

Defect Cards are created

#### Rule 102 - Defect Card

Stand alone Defect Card

### **Defective Incident Car Owner Responsibility**

#### Rule 108 – Major Defects

- Car Hire Implications
- Dismantle can be authorized
  - Dispositions made
- Load up can be authorized

#### Rule 96 – Major Defects

Dispositions made

#### Rule 1 – Minor Defects

- Car Hire Implications
- Dispositions made





# DDCT Utilizes Industry Applications

- DDCT interfaces with several industry applications at Railinc such as:
  - Umler- used to verify equipment is registered and capture the stencil mark owner (SMOW)
  - Industry Reference Files (IRF)- reference files such as Standard Transportation Commodity Code (STCC) and Standard Point Location Code (SPLC)
  - Event Repository (ER)- used to verify HC has possession (TRAIN/EDI messages)
  - Liability Continuity System (LCS)- DDCT sends events related to the Car Hire process
  - **FindUs.Rail** contact information for CMO, HC and shop couplets to send notifications related to incidents
  - Early Warning- displays equipment related to DDCT incidents on respective Maintenance Advisory (MA) letters

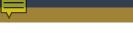




## High Level DDCT Mechanical Process

**Handling Road** Car Owner **Identifies Handling Road** Defects/Damage and Provides Requests Car Creates an Incident in Disposition Disposition **DDCT** Repair Shop **Handling Road** Reports Repairs to Moves Car to Shop **DDCT and Closes** Repair Incident Car or Settle? Car Owner **Handling Road** Accepts/Rejects Offers Settlement Settlement

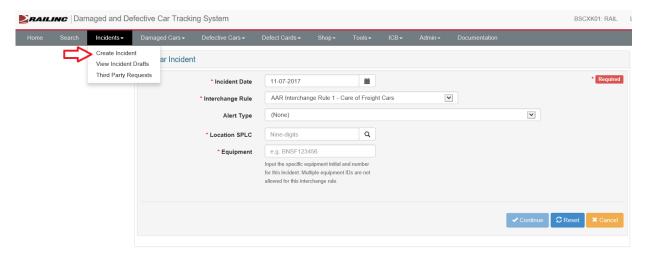






### Who can create a DDCT incident?

• A Handling Carrier (HC) is the only one who can create an incident in DDCT and request disposition



- HC identifies defects or damages per AAR Rules 1, 95 A, 96, 102, 107 or 108
  - Rules 1, 95 and 108 allow one car per incident
  - Rules 96 and 107 allow multiple cars per incident
  - Defect Cards can be created per AAR Interchange Rule 102 with or without an associated DDCT incident

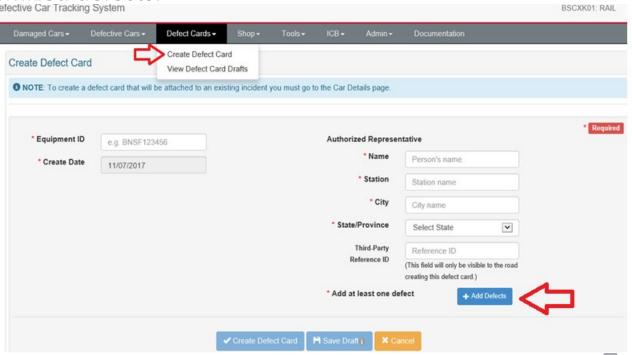






# Handling Carrier and Defect Cards

- Defect Cards can be created with or without an incident.
- Defect Cards can contain up to 40 itemized defects.





## Handling Carrier Requests Disposition

- HC requests disposition from the Car Mark Owner (CMO)
  - CMO contact listed in FindUs.Rail is notified
  - The Car Owner is defined as the stenciled mark owner in DDCT

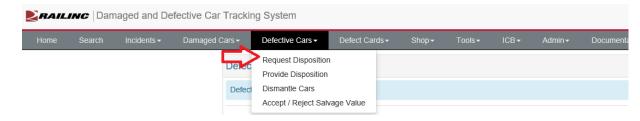
Request Disposition is available in the Damaged Cars or Defective Cars drop down menus or at the



Disposition Requested

▲ Disposition not requested

▲ Disposition not provided



• If CMO has not provided disposition after 15 days, HC can provide disposition on Rule 107 and





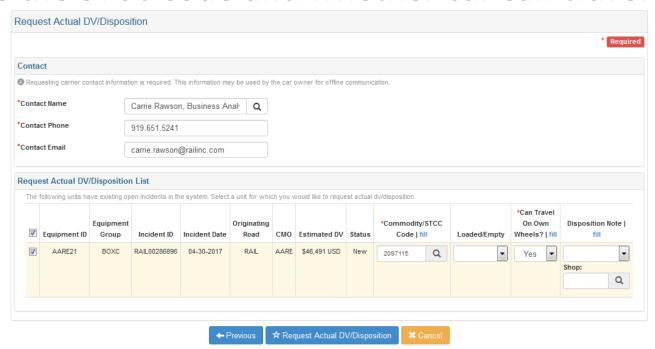






## Handling Carrier Requests Disposition

- Provide the HC contact information
- Select car to request disposition on
- Provide the STCC code and whether car can travel on its own wheels

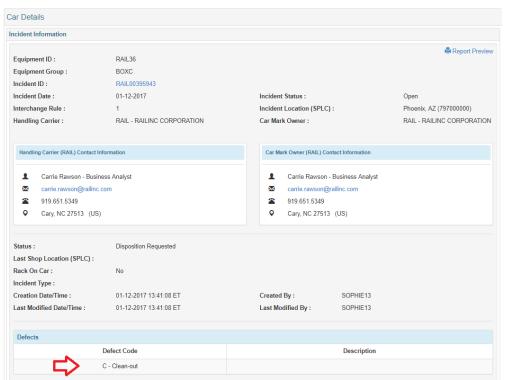


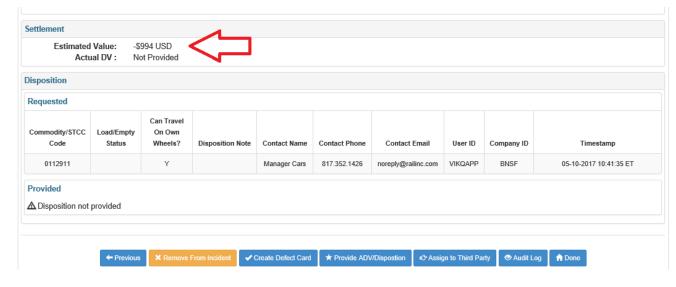




## What visibility do Car Owners have?

- CMO has visibility to incident details once HC creates the incident
  - Defect Cards are visible if created for the incident
  - Estimated Depreciated Value (EDV) is visible on Rule 107 incidents





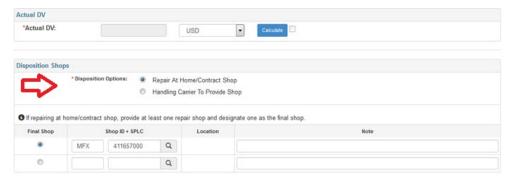






# Car Owner Provides Disposition

- Disposition can be provided to any FindUs.Rail Registered:
  - Repair Shop
  - Scrapper
  - Storage Facility
  - Pre-Tripper



- Car Owners always have the disposition options to Repair at Home/Contract Shop or ask the Handling Carrier to Provide
  - On Rule 1 and 96 there is an additional option of a Waybill Location, which is provided when Railinc has a record of the current Waybill
  - On Rule 1 and 96 if disposition is not provided after 2 business days then the Handling Carrier can provide it
- For Rule 107 Actual DV must be provided at the same time as Disposition
  - If Actual DV/Disposition is not provided within 15 days the Handling Carrier can then provide disposition







### Car Owner Provides Actual DV

 A Settlement Value Statement form is provided and populated according to equipment's Umler data

If you do not agree with the system calculated Depreciated Value then you can override it and

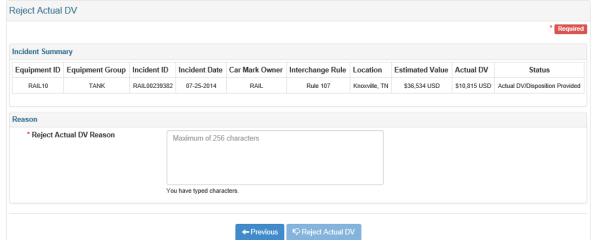
provide your own value

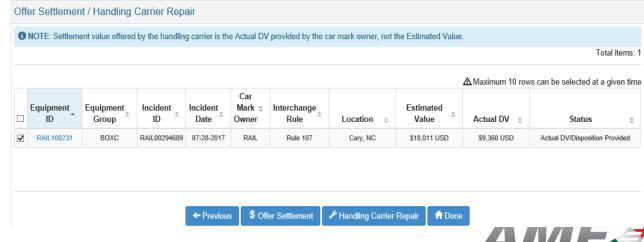
10.00.00	,							
Settlement Value Statement					Salvage Value Worksheet			
Equipment Type: © Car Rack RAIL (Owner)  With reference to your communique of 10/30/2017, file RAIL00294874 requesting AAR depreciated value of RAIL damaged at AHUMADA, CI (923252000) on 10/30/2017.				NL108 ,	Umler Tare Weight  Non-Metallic Weight	58,100  Estimat Weight	ed Salvage 58,100	
Equipment built on 04/2013 im rebuilt on im , weighing 58,100 lbs.						Enter Weight	US Credit Rate	Credit Value
A - Original Cost:				\$200.000.00	Aluminum	0	0.54	\$0.00
B - Cost Factor, for year built:	lt:			202	Stainless Steel	0	0.35	\$0.00
C - Cost Factor, for year prior to damage 2016:				209	Standard Steel	0	0.13	\$0.00
D - Base Reproduction Value	e ( A * C / B )			\$206,931.00				
					Total Salvage Weight	0.00	*WARNING: Your salvage weigh	t does not equal the
Type Date Description Cost				Total Salvage Value	\$0.00	Umler provided tare weight minus non-metallic weight.		
Please Select ▼				Add				
E - Reproduction Value (Addit	litions and Betterments			0	Settlement Value State	ment		
F - Total Reproduction Value ( D + E )				Depreciated Value Method:				
r - rotal Reproduction value	e ( D + E )			\$206,931.00	Doprodiatou value mour	ou.		
•		at: 2.6 % = 11.7		\$206,931.00 \$24,211.00	Depreciated Value \$1			
G - Less Car Depreciation: Ye	Years: 4 Months:							
G - Less Car Depreciation: Ye H - Less Capitalized Betterme I - Less Exhibit V Depreciation	ears: 4 Months: 6			\$24,211.00	Depreciated Value \$1	82,720.00		



## Reject Actual DV or Offer Settlement

- HC can reject the Actual DV provided by the CMO, Offer Settlement or choose to Repair
- If HC chooses to offer settlement the CMO is notified
  - CMO can reject settlement or accept settlement, if accepted the incident is updated to Settlement
     Accepted\*
  - If CMO rejects settlement, HC will move the car to the dispositioned Shop
  - If no settlement accept/reject is provided within 45 days then the settlement is automatically accepted
- If HC chooses to Repair, the CMO is notified and the HC will move the car to the dispositioned Shop









# How will a Shop be notified when a car is disposition to them?

DDCT sends a notification advising when a car is en-route along with

the shop SPLC

Equipment RAIL1 on Incident ID UP00271844 has been provided disposition to your shop at SPLC 381441000.

For more detailed information on this incident, you will need to log into DDCT to view the Incident Details. If you need to contact the Handling Carrier or Car Mark Owner, please use the FindUs. Rail at https://www.railinc.com for free look-up and search by company ID.

Please contact Railinc Customer Support at csc@railinc.com or 1-877-724-5462 if you have any other questions.

Shops can utilize FindUs.Rail to note capacity and facility capabilities

Repair Shop	
Category Role:	Secondary
Category Functions:	<ul> <li>Shop Contact</li> </ul>
Capabilities:	Rule 1, Reflectorization, Re-Marking
Capacity Status:	
SPLC:	671685000
Location:	BORGER
State:	TX

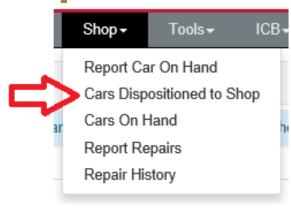
Repair Shop	
Category Role:	Primary
Category Functions:	Shop Contact
Capabilities:	
Capacity Status:	FULL - MUST CHECK WITH SHOP BEFORE SEDNING CARS
SPLC:	231123000
Location:	ELK MILLS
State:	MD

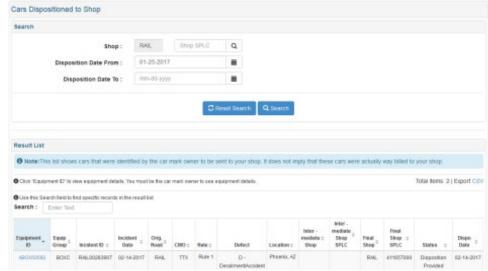




## Cars Dispositioned to a Shop

- Use the 'Cars Dispositioned to Shop' to see cars coming to your shop
  - Must have shop permissions to view





 Search results can be narrowed down by Standard Point of Location (SPLC) and or Disposition Date Range

Shop Couplet	Search		
At least of SPLC more Minimum     Company		tact information.  ID: 1, Company Name: 3, Location Name: 3 support wildcard (*) search. (Example: Joh* = John, Johnson; *ohn = Joh	nn,
Company ID:	RAIL	Company Name:	
Category:	Repair Shop	Location Name:	
SPLC:		State/Province:	,
		Q Search 2 Reset	
Company ID .	Company Name	\$\displaysquare\$ SPLC \displaysquare\$ Category \displaysquare\$ Location Name \displaysquare\$ St./Prov	ı. \$
RAIL	RAILINC CORPORATION	411657000 REPAIRSHOP CARY NC	
	Capabilities: TESTING. Capacity Status: TESTING	Sophie Hami, Business Analyst, sophie.hamida@railinc.com, 540.282.7814.	

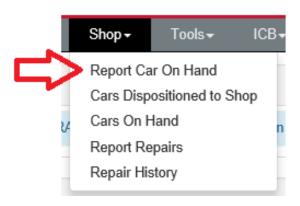


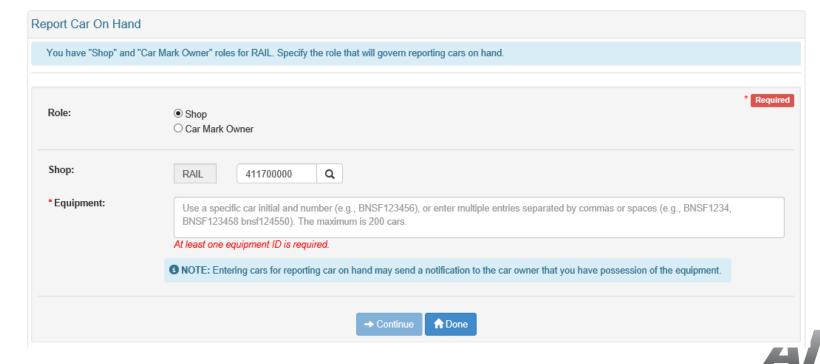




# How do I Report Car On Hand?

- Disposition/shop locations must report when equipment is at a respective location
  - Signifies shop has car and will work with CMO

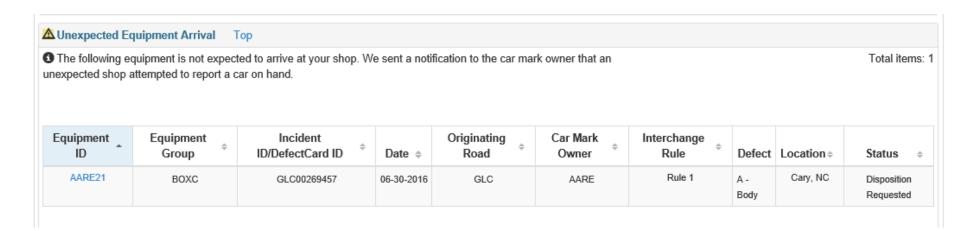






## Reporting Car On Hand continued...

- Reporting Car on Hand allows the shop to see non-confidential incident details and defect cards (if available)
- Cars that have unexpectedly arrived at your shop need to be reported on hand
  - This notifies the CMO who can place the car on hand at your shop or work with the HC to reroute the car

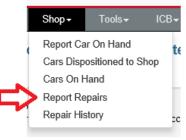


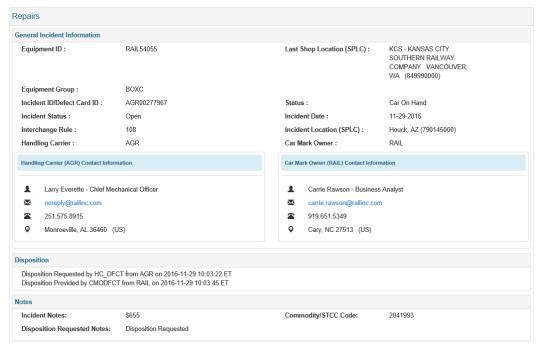




# Report Repairs

 The Report Repairs screen lets you select a Car on Hand and see the incident details and Defect Card if present





		Defect Code		Descripti	ion
		B - Braking System			
Defe	ct Card Re	epairs			
		available for shop repair			
	Defect Id	Description	Repair Status	Shop ID	Complete Timestamp
	1	Door is broken	Complete	AGR	11-29-2016 10:03:33 ET
	2	Wheel Set	Pending		
	3	Paint	Pending		
	4	Bolt Hole Crack	Pending		
	(F	lease contact the Car Mark owner for authority to make repairs on this car. Per AAR Rule 102, you must ha	ve authority from the Car Ma	ark owner to	perform repairs.)



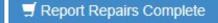


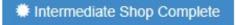


# Report Repairs continued...

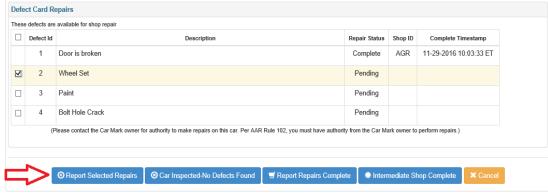
Report Selected Repairs

Car Inspected-No Defects Found





- The following options are available to the shop
- If you partially repair a car, select the item repaired and then select 'Report Selected Repairs'



- Car Inspected-No Defects Found identifies repairs are not necessary and updates the incident to Removed\*
- Report Repairs Complete marks all items as completed and updates the incident to Car Repairs Completed\*
- Intermediate Shop Complete releases the car from your shop







# How do I know when an incident is at an End State?

- An incident will close once all cars have reached an end state
  - Dismantled\* HC or CMO decides to scrap car
  - Removed\* HC, CMO, or System removed car from incident
  - Settlement Accepted\* CMO accepts settlement offered by HC
  - Car Repairs Completed\* Shop reports repairs to defects/damages on incident
  - Please note that Dismantling cars and Accepting/Rejecting salvage value on incidents created before February 21, 2017 is handled differently than on those created after February 21, 2017 due to the new workflow and Salvage Value Worksheet

									V	
RAIL110	TANK	BOCT00293785	06-22-2017	BOCT	RAIL	Rule 107	E - Doors	Bing, NE	Settlement Accepted*	
RAIL1302	BOXC	RAIL00279508	01-03-2017	RAIL	RAIL	Rule 1	K - Refrigeration Equipment	Etzikom, AB	Car Repairs Completed*	
RAIL238047	FLAT	BOCT00287200	05-18-2017	вост	RAIL	Rule 107	A - Body	Bing, NE	Settlement Accepted*	
RAIL40119	BOXC	BOCT00287225	05-19-2017	BOCT	RAIL	Rule 107	A - Body	Bing, NE	Settlement Accepted*	
RAIL4405	BOXC	UP00279507	01-03-2017	UP	RAIL	Rule 1	I - Load Restraining Devices	Etzikom, AB	Removed*	No defects found





### DDCT & FindUs.Rail

- FindUs.Rail is required for DDCT to transmit notifications to the HC, CMO and Shop.
  - AAR Interchange Rule 114 mandates participation
- HC's and CMO's must list a contact primary and or secondary contact for the Damaged Defective Car Tracking category to receive notifications.
  - Category functions are:

•	Handling Carrier Damaged Car Management	•	Mark Owner Damaged Car Management
•	Handling Carrier Defective Car Management	•	Mark Owner Defective Car Management
•	Handling Carrier ICB Management	•	Mark Owner ICB Management

- Shops must list a contact in the Repair Shop category to have their shop listed in DDCT for disposition.
  - Category functions are:
  - Cleaning
  - Shop Contact (Please note that you will NOT receive emails without this capacity.)
  - Tank Car





# New Functionality in 2018

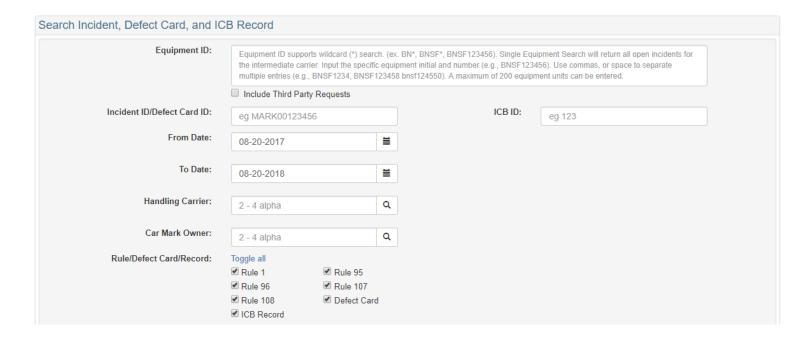
- Ability to search by multiple equipment IDs in one query
- Report a car on hand from the Cars Dispositioned screen
- Allow the shop to report an unexpected arrival on Rule 107 incidents in New status
- Handling Carriers will be able to indicate when Transfer of Lading is required on a Rule 108
- Send notification upon unexpected arrival of car with the link to the shop
- Ability to identify an unexpected arrival shop as the final shop. Doing so will remove it from the originally dispositioned shops expected car list





# Search by Multiple Equipment IDs

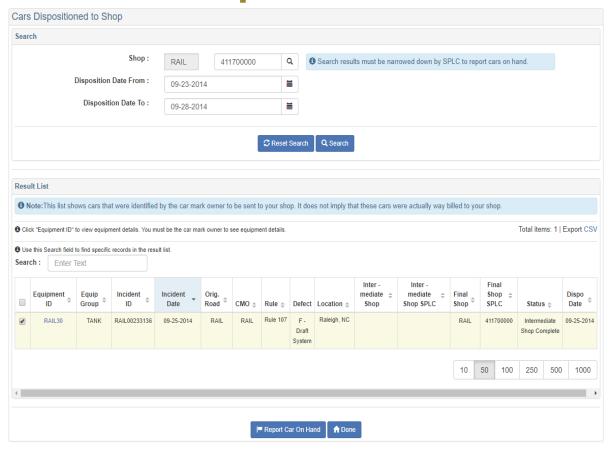
 You now have the ability to search for multiple equipment IDs in one query.







# Report a Car on Hand from Cars Dispositioned Screen

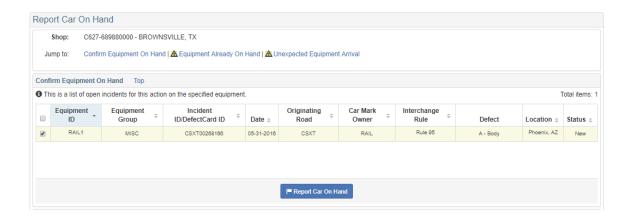


- From the Cars
   Dispositioned screen, a shop can report a car on hand.
- Provides a more convenient method of reporting a car on hand.

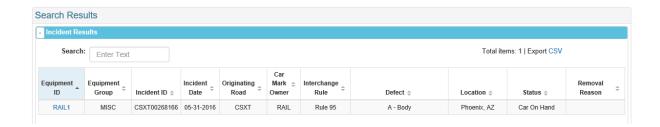




# Rule 107 Unexpected Arrival in New Status



- Car must be on a Rule 107.
- Shop will have the ability to report the car on hand.
- This will bypass disposition and ADV.

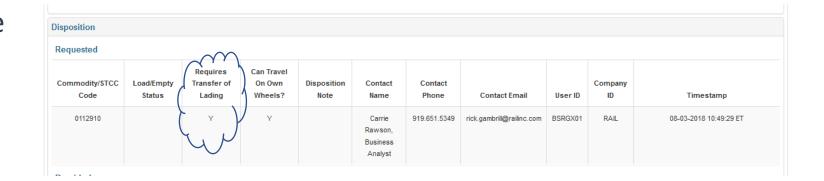






# Transfer of Lading

- Handling carriers will have the option to inform the car owner if lading needs to be transferred.
- This is not a mandatory field
- New column added to search results for this field

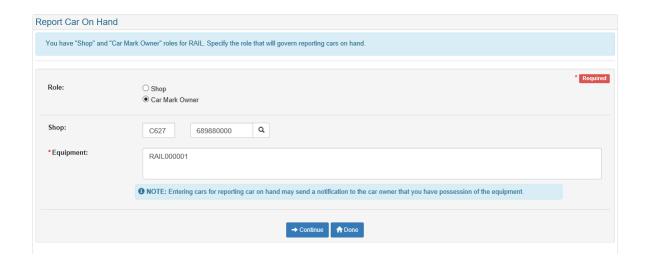






# Send Notification upon Unexpected Arrival of Car with the Link to the Shop

- This is a new feature for Car Mark Owners.
- The link in the email notification will direct you to a screen that is pre-populated.
- The role, shop mark, shop SPLC, and equipment ID are all pre-populated.

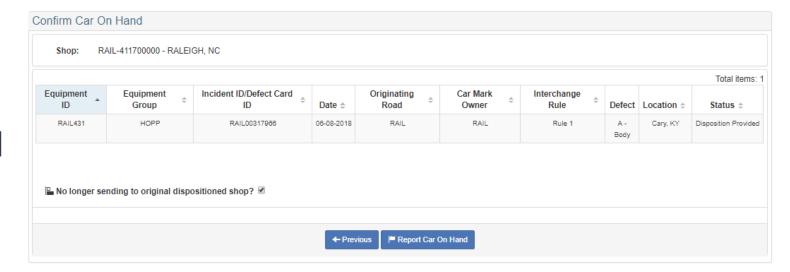






# Unexpected Arrival Shop as the Final Shop

- Car mark owner can notify a shop if the car is no longer being sent to the original dispositioned shop.
- An email notification will be sent to the original dispositioned shop notifying them they are no longer receiving the car.



Subject: TST: DDCT: Dispositioned for Equipment RAIL431 has been changed

Disposition for Equipment RAIL431 on Incident ID RAIL00317966 has changed and will no longer be coming to your shop at SPLC 221005000.

For more detailed information on this incident, you will need to log into DDCT to view the Incident Details. If you need to contact the Handling Carrier or Car Mark Owner, please use the FindUs.Rail at https://wwwtst.railinc.com for free look-up and search by company ID.

Please contact Railinc Customer Support at csc@railinc.com or 1-877-724-5462 if you have any other questions.





# What's Coming in 2019

Shop administration page





### Reference Guides for DDCT

- The following manuals can assist users in understanding AAR rules govern DDCT
  - Office Manual and Field Manual of the AAR Interchange Rules contain
    - Rules 95A, 102, and 107 for Damaged equipment
    - Rules 1, 96, and 108 for Defective equipment
  - DDCT industry participation and information is located in AAR Interchange Rule 115
  - FindUs.Rail contact information is required for DDCT per AAR Interchange Rule 114
- Railinc.com has a DDCT page with reference materials such as:
  - DDCT User Guide which includes instructions and process flow for DDCT
  - Webinars, Demos and FAQ's on DDCT





# Muchas Gracias!

Alvaro Almaguer / CPKCM

