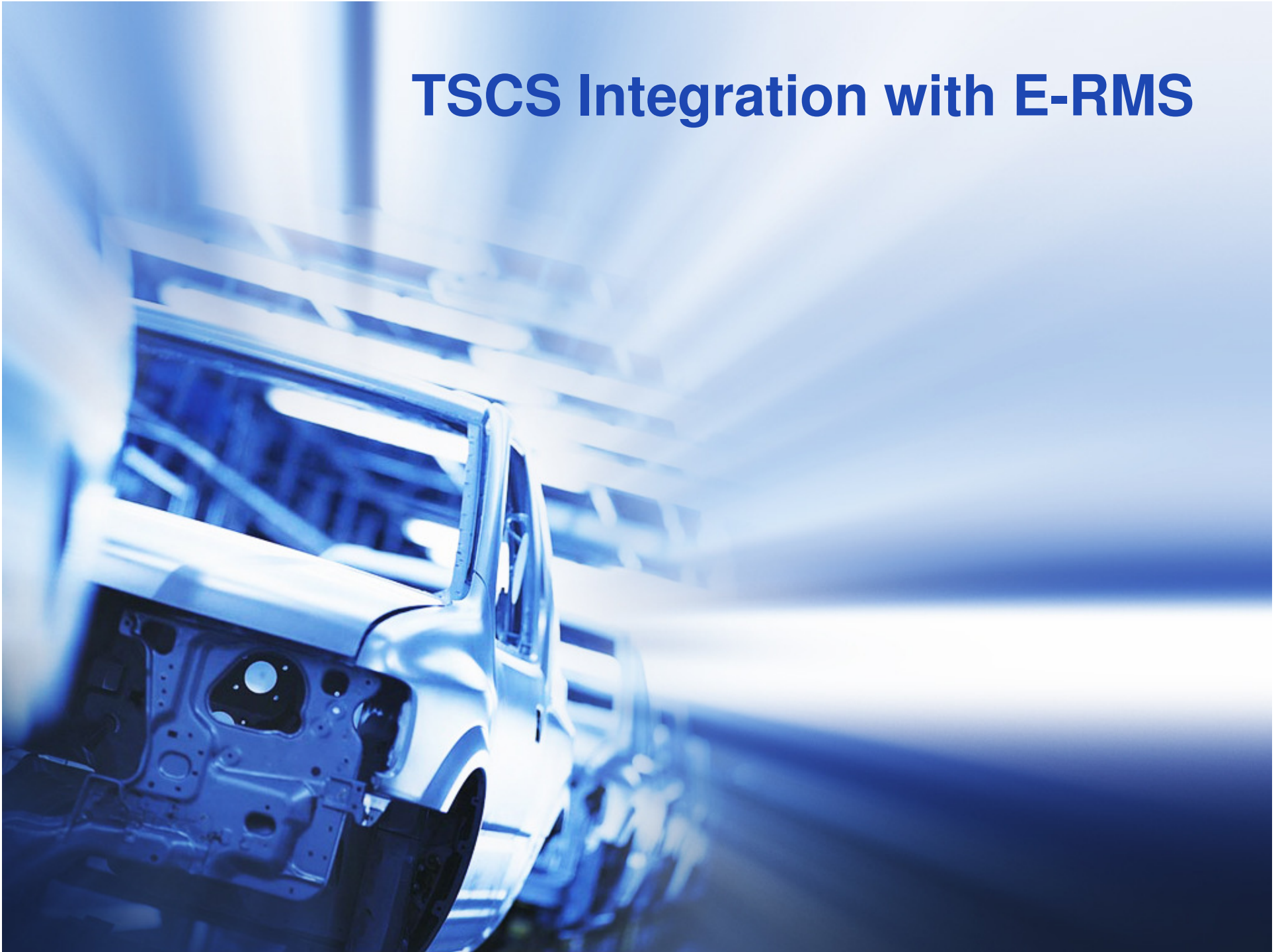


# TSCS Integration with E-RMS





# OVERVIEW



# Overview

- TSCS (Toyota Shipment Confirmation System)
- A recent mandate by Toyota has incorporated a confirmation process for both Skid Manifest to OW Kanban labels, and Trailer Confirmation of those Skid Manifests to Orders.
- Toyota has provided the tools necessary for use by suppliers to support this mandate, and also has allowed Suppliers to interface with TSCS from within their current Shipping Systems.
- The E-RMS TSCS API option supports all necessary validation and communication of SKID and Trailer confirmations required by the Toyota TSCS system.



# **HOW DOES THE TSCS API OPTION WORK?**



# How Does the TSCS API Option Work?

The TSCS processes in E-RMS allows steps for scanning Skid and OW Kanban labels, and validate a Trailer /Shipper prior to sending an ASN. Once enabled, these processing steps become a standard requirement to Toyota US and Canada Trading Partner processing.

The processing steps include the following:

- Scanning of the Skid Manifests and associated OW Kanban labels to define the Skid contents and “Pick” the appropriate shipper.
- Transmitting the Skid information directly to the Toyota TSCS system to prepare for shipment.



## How Does the TSCS API Option Work? (cont.)

This includes the Skid Manifest to OW Kanban label association information, as well as Skid RFID tags. A confirmation or error message is returned.

- Scanning of the Skid Manifests to “Load” the shipper.
- Transmitting the Trailer information directly to the Toyota TSCS system prior to shipment.

This includes Trailer number, as well as Driver Information, and Skid Manifest labels. A Confirmation Number or error is returned. The Trailer confirmation number is required for the driver before the shipment can be released.

A TSCS Confirmation report is also available to record this activity.

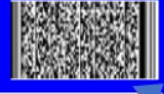


# **UPDATED TOYOTA SKID MANIFESTS**

# Updated Toyota Skid Manifests

- Multiple unique Skid Manifests must be requested to correctly accommodate packaging of the number of One Way Kanban containers needed to fulfil the order.

New: 2D & QR codes will be UNIQUE to each skid

<TAPE HERE>	
Supplier <b>00000</b> AWESOME INC.	Dock <b>TMMK</b>
Skid of	<b>N1</b>
Order Number <b>2017051119</b>	Load: 05/10/2017 14:39 KSC Unload: 05/11/2017 06:00 <b>SYTK01</b>
Palletization Code <b>T</b>	MROS <b>30</b>
	Skid I.D. <b>001A</b>
NC17 <input type="checkbox"/>	KYN110
NC19 <input type="checkbox"/>	TMMK Unload: 05/11/2017 10:25

Relocate MROS Field

Add QR Code

Add Skid I.D. Field

Enhance and Relocate existing 2D barcode

- 1) Pre-Select Manifest Qty
- 2) OWK Generates unique manifests
- 3) No copies can be made



# Updated Toyota Skid Manifests (cont.)

## Notes:

- Skid Manifests will include 2 Skid I.D.s per Skid / Pallet. (001A and 001B)
- The Skid I.D. value will increment (001, 002, etc.) for as many Skids requested from the Toyota portal.
- Either the xxxA or xxxB Skid Manifest may be scanned. (not both)
- Either the existing PDF417 2D symbol, or new QR Code may be scanned. (same data is provided in both)



# **TSCS VALIDATION**

# TSCS Validation

**Toyota TSCS Shipper Validation**

☒ Auto-Refresh on Entry

Ship Date: On and After May 01, 2018

Delivery Date: No Filter

Shipper No: No Filter

Dock: No Filter

Validated: Equal To False

Drag a column header here to group by that column

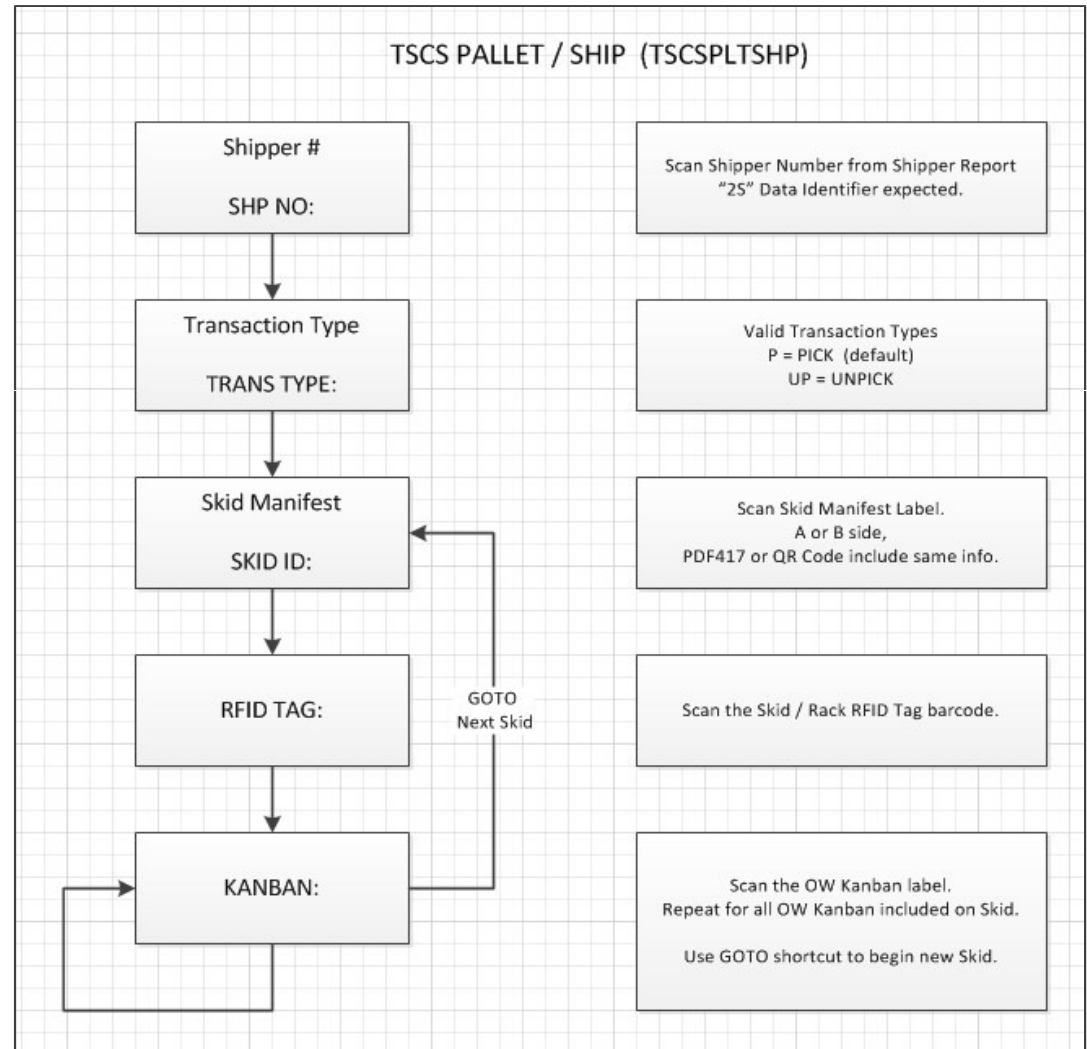
Verified	Skids Verified	Ship Date	Delivery Date	Shipper No.	Status	Ship-To
<input checked="" type="checkbox"/>	<input type="checkbox"/>	05/21/2018 10:54	05/21/2018 18:54	166155	Loaded	TOYOTA MOTOR MFG ALA
<input type="checkbox"/>	<input type="checkbox"/>	05/21/2018 10:54	05/21/2018 18:54	166156	Pending	TOYOTA MOTOR MFG ALA
<input type="checkbox"/>	<input type="checkbox"/>	05/21/2018 10:54	05/21/2018 18:54	166157	Loaded	TOYOTA MOTOR MFG ALA
<input type="checkbox"/>	<input type="checkbox"/>	05/21/2018 12:35	05/21/2018 20:35	166158	Partially Loaded	TOYOTA MOTOR MFG ALA

Record 1 of 4

- Shippers are listed in the TSCS Shipper Validation screen along with the current status

# TSCS Pallet/Ship Program

- This scan program is utilized to:
  - **Define Skids, the OW Kanban labels associated with each Skid, and “Pick” those labels to the appropriate E-RMS Shipper.**
  - **Validation of the OW Kanban labels to Skid Manifest labels, and shipment Order Number information.**
  - **Scanning of the Toyota Skid RFID tag.**



# TSCS Skid Validation

- Once the Skid validation scan is performed the Verify Skid/Pallet message can be sent to Toyota

Toyota TSCS Shipper Validation

☒ Auto-Refresh on Entry

Ship Date: No Filter

Delivery Date: No Filter

Shipper No: Equal To 166155

Dock: No Filter

Validated: No Filter False

Drag a column header here to group by that column

Verified	Skids Verified	Ship Date	Delivery Date	Shipper No.	Status	Ship-To
<input type="checkbox"/>	<input checked="" type="checkbox"/>	05/21/2011		166155	Loaded	TOYOTA MOTOR MFG ALABAMA

View Ctrl+E

Refresh

Copy Value to Clipboard

Close

Check Shipper Status

Verify Skid/Pallet

Verify Trailer/Shipper

Run Verified Report

Record 1 of 1

# TSCS Skid Validation

**Toyota TSCS Shipper Validation - Viewing**

Shipper Number 166158 Shipper/Trailer Confirmation Number 18062516500045L

Driver Name First  Last

Order Error

Drag a column header here to group by that column

Skids	Skid Id	Skid Error	Status	Verified By	Date Verified	Manifest	Order No.	Confirmation No.	RF Id
	001			Mark Gilbert	06/25/18 16:50	80931397	2018052201	0550218062516500007P	T11002002850

Drag a column header here to group by that column

Kanbans	B...	Bo...	K...	Part N...	Part Desc...
	0013		F5S6	4 163320P0...	PIPE, WTR O...
	0014		F5S6	4 163320P0...	PIPE, WTR O...
	0015		F5S6	4 163320P0...	PIPE, WTR O...
	0016		F5S6	4 163320P0...	PIPE, WTR O...
	0017		F5S6	4 163320P0...	PIPE, WTR O...
	0018		F5S6	4 163320P0...	PIPE, WTR O...
	0019		F5S6	4 163320P0...	PIPE, WTR O...
	0020		F5S6	4 163320P0...	PIPE, WTR O...
	0021		F5S6	4 163320P0...	PIPE, WTR O...
	0022		F5S6	4 163320P0...	PIPE, WTR O...
	0023		F5S6	4 163320P0...	PIPE, WTR O...

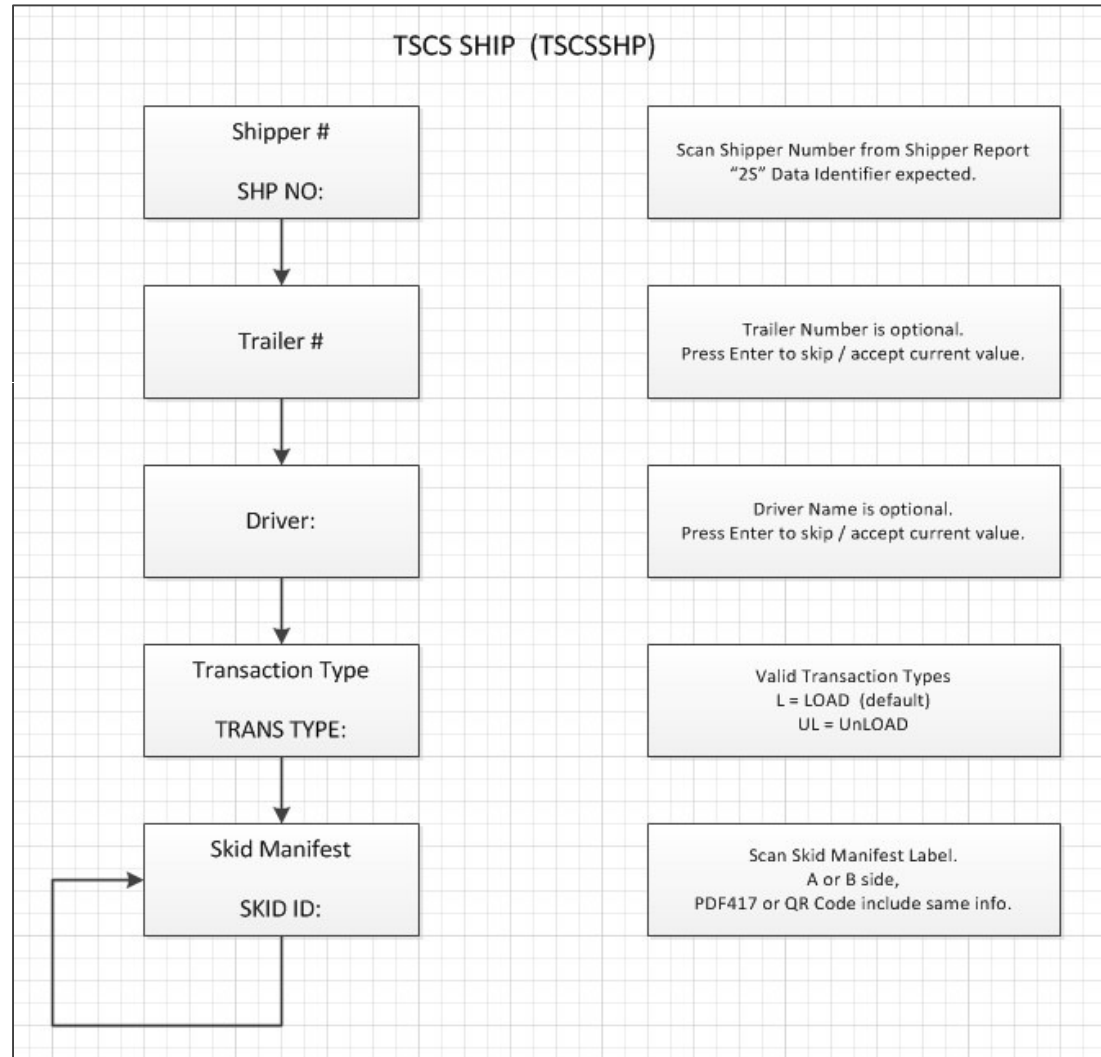
Record 1 of 8

**Skids and Kanbans** | Order Exceptions | Skid Exceptions

Editing the shipper allows the user to see the Skids and OWK Labels associated to that shipper, as well as the confirmation provided by Toyota once the Verification is received.

# TSCS Ship Program

- This scan program is utilized to:
  - Once the trailer arrives for pickup the TSCS Ship scan process is used to scan the previously scanned Skid Manifest labels only, as they are loaded to the trailer.
  - Scan Trailer Number and Driver ID badge barcode to update information required in the TSCS Trailer Validation message.



# TSCS Trailer/Shipper Validation

- Once the Trailer/Shipper validation scan is performed the Verify Trailer/Shipper message can be sent to Toyota

Toyota TSCS Shipper Validation

Auto-Refresh on Entry

Ship Date: No Filter

Delivery Date: No Filter

Shipper No: Equal To 166155

Dock: No Filter

Validated: No Filter False

Drag a column header here to group by that column

Verified	Skids Verified	Ship Date	Delivery Date	Shipper No.	Status	Ship-To
<input type="checkbox"/>	<input checked="" type="checkbox"/>	05/21/2011		166155	Loaded	TOYOTA MOTOR MFG ALABAMA

View (Ctrl+E)

Refresh

Copy Value to Clipboard

Close

Check Shipper Status

Verify Skid/Pallet

Verify Trailer/Shipper

Run Verified Report

Record 1 of 1

# TSCS Trailer/Shipper Validation

Toyota TSCS Shipper Validation

☒ Auto-Refresh on Entry

Ship Date: On and After May 01, 2018

Delivery Date: No Filter

Shipper No: No Filter

Dock: No Filter

Validated: No Filter False

Drag a column header here to group by that column

Verified	Skids Verified	Ship Date	No.	Status	Ship-To
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	05/21/2018 10:54	166155	Loaded	TOYOTA MOTOR MFG ALABAM
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	05/21/2018 10:54	166156	Loaded	TOYOTA MOTOR MFG ALABAM
<input type="checkbox"/>	<input type="checkbox"/>	05/21/2018 10:54	166157	Pending	TOYOTA MOTOR MFG ALABAM
<input type="checkbox"/>	<input type="checkbox"/>	05/21/2018 12:35	166158	Pending	TOYOTA MOTOR MFG ALABAM

System Message

Success

OK

Record 2 of 4

- Each validation message attempt will be responded to by the TSCS system.
- That response will include either a "Success" message, as shown, or an error message.



# **EXCEPTION CODES**



# Exception Codes

An Exceptions tab for both Skids and Orders allows the user to add Toyota Trailer Level Exceptions if necessary.

**Note:** Exceptions should be added prior to Skid or Trailer validation request.

## Trailer Level Valid Exception Codes:

Code	Description
13	Blowout - Space / Weight
16	Freight Pulled Ahead Already
17	Freight Damage

The Skid Exceptions tab allows the user to add Toyota Skid Level Exceptions if necessary.

## SKID Level Exception Codes:

Code	Description
14	Blowout Recovery - Normal Route
15	Buildout Recovery - Normal Route
18	Expedite – Supplement
19	Expedite - Blowout
21	Continuous Load
22	Expedite - Buildout
23	Freight Pull Ahead (At Pallet Level)



**For More Information Contact Edibar Sales**

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