

# Overview of IANA's Bad Order Equipment Status (BOES) Application

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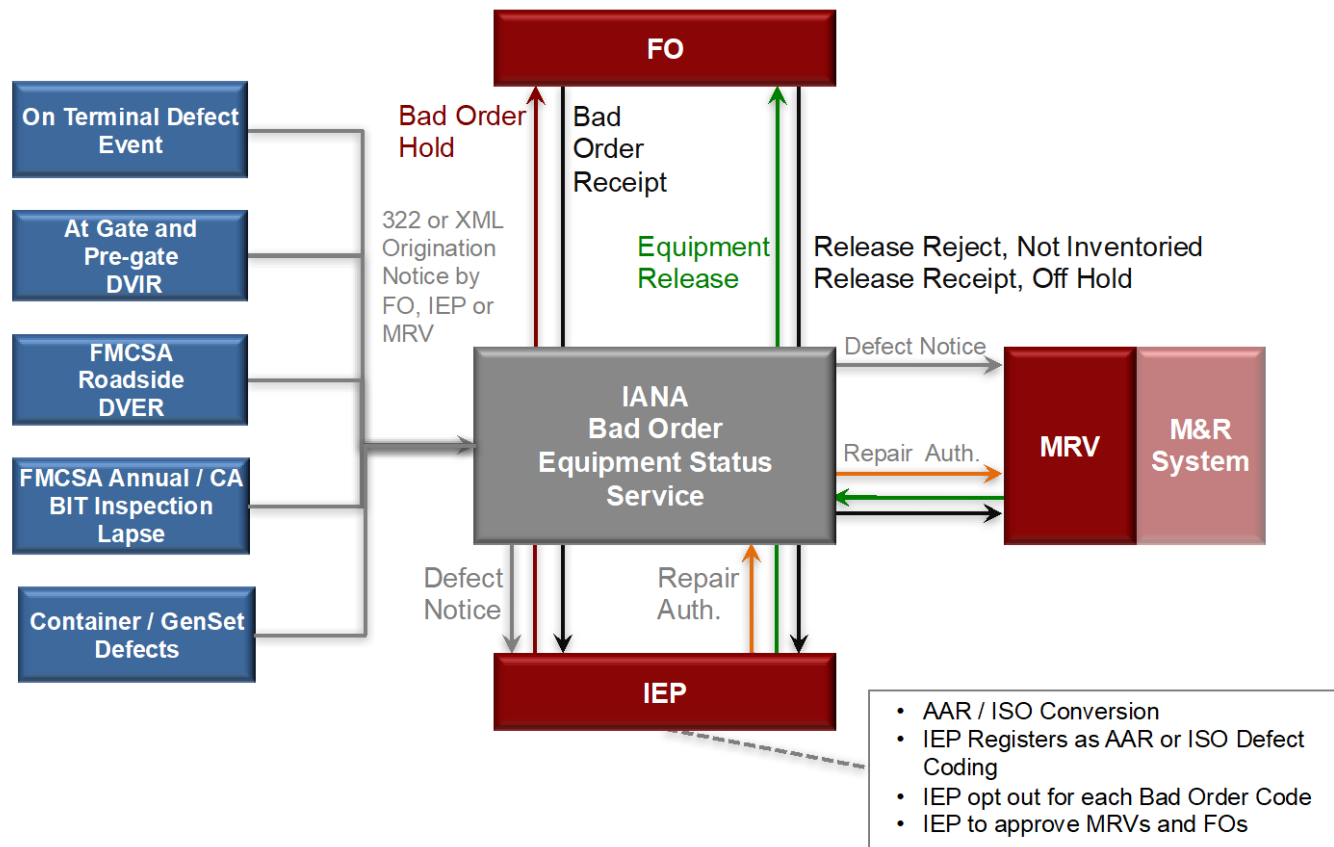
**BOES**  
BAD ORDER  
EQUIPMENT STATUS

# Purpose of Bad Order Equipment Status (BOES) Service

- Provides an industry-sponsored clearinghouse for equipment status information (bad order, gate hold, release).
- Provides IEPs, Facility Operators and Maintenance and Repair Vendors the ability to exchange defect information and hold/release notifications using a standard format via a single clearinghouse.
- Handles conversion of marine and domestic damage coding (i.e. AAR to ISO or vice versa).
- Provides key component to building a proactive systematic maintenance program that ensures bad order chassis are not mounted or moved off terminal.

# BOES Process Flow

Data Flow Order: Gray > Red > Black > Orange > Green



# How does BOES work?

## Terminal Defect Events (**Bad Order Notice – Report of any identifiable equipment damage**)

- FO or IEP transmits an inbound 322 EDI, XML transaction or via BOES web portal advising that a unit is bad ordered.
- BOES matches the alpha/numeric chassis ID against GIER to identify the responsible IEP and Chassis Pool ID if provided.
- BOES generates an outbound 322, XML or e-mail transaction and sends it to the designated recipients (IEP, FO and/or MRV) identified by the IEP in the system to place the equipment on hold for repair.
- The outbound notice would only be transmitted if IEP is a registered user in BOES. If not, original inbound notice would be rejected and sent back to sender.

# How does BOES work?

## Driver Vehicle Inspection Report (DVIR) (Report of Pre-Gate or At-Gate DVIR Roadability Compliance Defects)

- Follows process of IANA's current DVIR application.
- FO transmits DVIR 322 transaction to IANA
- IANA parses transactions to identify whether transaction is for an OCEMA IEP
- If for OCEMA IEP – IANA does not process the DVIR but forwards transaction to chassis.com for processing.
- Non-OCEMA 322 DVIR transactions are processed by matching against GIER, UIIA and IDD databases to identify the responsible IEP, MC and driver's electronic signature.
- IANA sends an outbound 322 or XML to the responsible IEP and selected FOs and MRVs advising of the DVIR roadability compliance defects.
- IANA does check incoming DVIR for out of service violation. If defect found on DVIR transaction for a BOES Subscriber, IANA will generate bad order transaction in BOES notifying the appropriate IEP and any of its designated FOs and MRVs.

# How does BOES work?

## Driver Vehicle Examination Report (DVER)

- Offers ability to receive DVER via EDI
- Notifies responsible IEP that DVER has been issued and includes the following:
  - IEP and MC DOT Numbers
  - Alpha/numeric equipment ID
  - Date of inspection
  - License Plate/License State
  - Chassis Pool ID (if provided)
- Provided via 322 EDI, XML or e-mail to the responsible IEP and selected FOs and/or MRVs
- This capability does not replace the physical copy of page 2 of the DVER sent via e-mail thru IANA's DVER application.
- IEP would need to report bad order to BOES for DVERs

# BOES Homepage Dashboard

## BOES

### OUTOFSERVICE

6 Today 59 Weekly 105 Monthly 664 YTD

### RELEASED

23 Today 282 Weekly 620 Monthly 9603 YTD

## DVER

### OUTOFSERVICE

0 Today 0 Weekly 0 Monthly 0 YTD

### RELEASED

0 Today 0 Weekly 0 Monthly 0 YTD

## DVIR

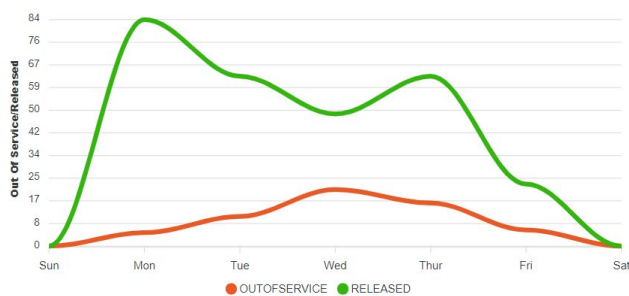
### OUTOFSERVICE

8 Today 39 Weekly 61 Monthly 226 YTD

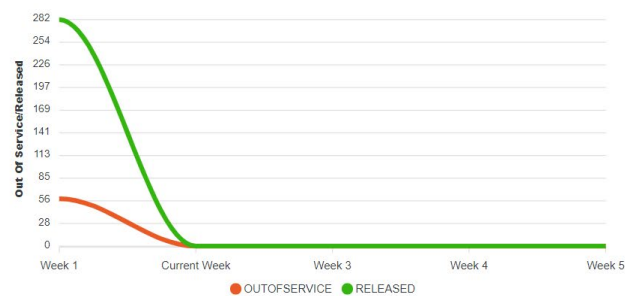
### RELEASED

0 Today 9 Weekly 21 Monthly 870 YTD

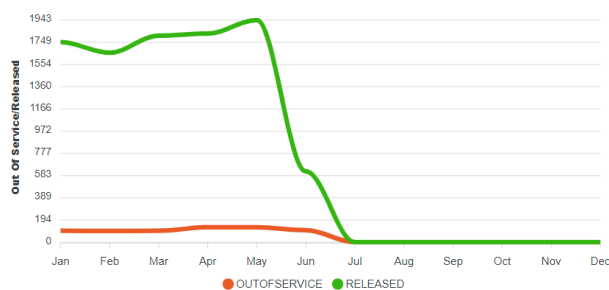
BOES Current Week



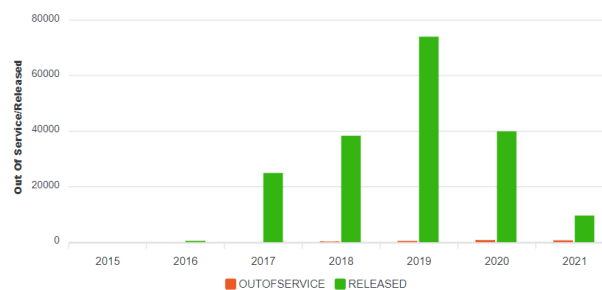
BOES Weekly Stats - June



BOES Monthly Stats



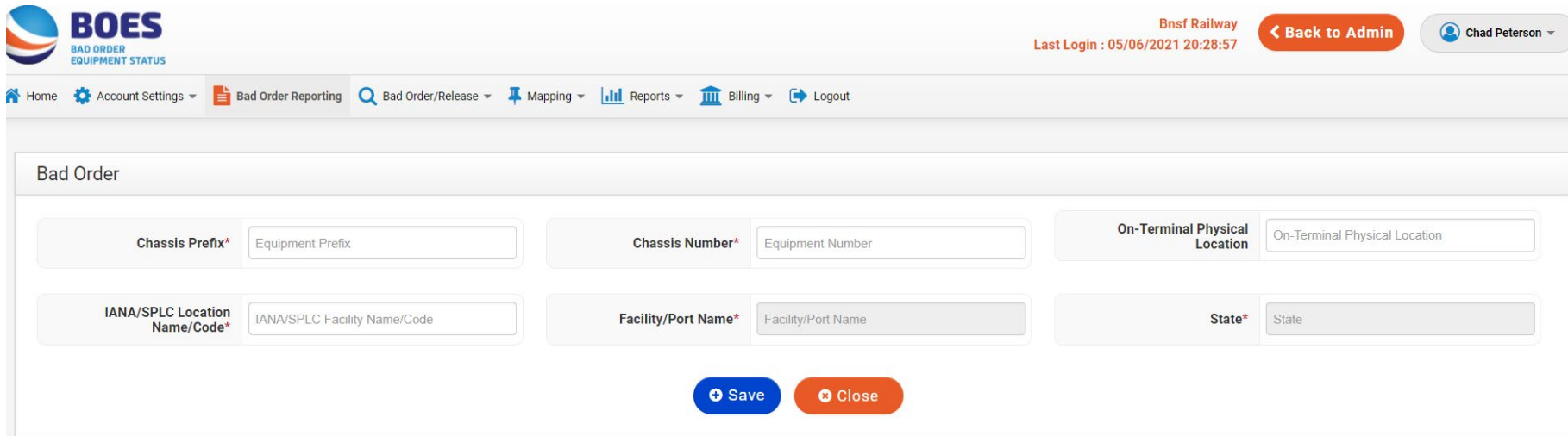
BOES Yearly Stats



Stats for BOES, DVER & DVIR based on services user subscribes to. In addition, BOES stats by current week, weekly for current month, overall monthly and yearly stats



# BOES Web Portal – Bad Order Reporting



The screenshot shows the BOES Web Portal interface for Bad Order Reporting. The header includes the BOES logo, the text "BAD ORDER EQUIPMENT STATUS", the user "Bnsf Railway", the last login time "05/06/2021 20:28:57", a "Back to Admin" button, and the user name "Chad Peterson". The navigation bar contains links for Home, Account Settings, Bad Order Reporting, Bad Order/Release, Mapping, Reports, Billing, and Logout. The main form is titled "Bad Order" and contains six input fields arranged in two rows. The first row includes "Chassis Prefix\*" (with a dropdown menu showing "Equipment Prefix"), "Chassis Number\*" (with a dropdown menu showing "Equipment Number"), and "On-Terminal Physical Location" (with a dropdown menu showing "On-Terminal Physical Location"). The second row includes "IANA/SPLC Location Name/Code\*" (with a dropdown menu showing "IANA/SPLC Facility Name/Code"), "Facility/Port Name\*" (with a dropdown menu showing "Facility/Port Name"), and "State\*" (with a dropdown menu showing "State"). At the bottom of the form are two buttons: "Save" and "Close".

## Bad Order Reporting

IEP, MRV or FO can report bad order equipment via web interface by providing the following info:

- Chassis Prefix
- Equipment Number
- IANA Location Code/SPLC Code or Facility Name (dropdown will appear based on parameters entered for user to select and populate field with the correct Facility/Port Name and State. **Note: Only those locations associated with the logged in user will be displayed.**

# BOES Web Portal – Bulk Bad Order Reporting

The screenshot shows the BOES Web Portal interface for Bulk Bad Order Reporting. The header includes the BOES logo, user information (TRAC Intermodal | 1521807 | TAXZ), and a last login timestamp (06/11/2021 14:13:30). A navigation bar contains links for Home, Account Settings, Users, Bad Order Reporting, Bulk Bad Order/Release, Bad Order/Release, Mapping, Reports, and Logout. The main content area is titled 'Bulk Bad Order Reporting' and includes a note about uploading files up to 10MB. It features a 'Click here to download sample file -' section with a 'BULK BAD ORDER TEMPLATE' button and a 'View Uploaded File List' button. Below this is a file upload section with a 'Select file to upload\*' label, a 'Choose File' button, and a 'No file chosen' status. A message states 'Please upload only .xls or .xlsx file.' and there are 'Submit' and 'Close' buttons. The footer contains copyright information for the Intermodal Association of North America.

**BOES**  
BAD ORDER  
EQUIPMENT STATUS

TRAC Intermodal | 1521807 | TAXZ  
Last Login : 06/11/2021 14:13:30

< Back to Admin

Home Account Settings Users Bad Order Reporting Bulk Bad Order/Release Bad Order/Release Mapping Reports Logout

Bulk Bad Order Reporting

**Note:** You can upload bulk bad order report file by using this feature. You could allowed to upload file size upto 10MB .

Click here to download sample file -

[BULK BAD ORDER TEMPLATE](#) [View Uploaded File List](#)

Select file to upload\* Choose File No file chosen

Please upload only .xls or .xlsx file.

[Submit](#) [Close](#)


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11795 Bellevue Drive, Suite 1100, Columbia, MD 21045 info@iainet.org

## Bulk Bad Order Reporting

IEP, MRV or FO can report bad order equipment via web interface by uploading data into excel format:

Chassis Prefix *	Chassis Number *	IANA Facility Code / SPLC *
TNPZ	212121	9950102
TNPZ	200030	9950101

# BOES Web Portal – Bulk OOS Release



TRAC Intermodal | 1521807 | TAXZ  
Last Login : 06/11/2021 14:13:30

Back to Admin

HomeAccount SettingsUsersBad Order ReportingBulk Bad Order/ReleaseBad Order/ReleaseMappingReportsLogout

### Bulk Bad Order Release Reporting

**Note:** You can upload bulk bad order release report file by using this feature. You could allowed to upload file size upto 10MB .

Click here to download sample file -

[BULK BAD ORDER RELEASE TEMPLATE](#)[View Uploaded File List](#)

Select file to upload\*

Choose FileNo file chosen

Please upload only .xls or .xlsx file.

[Submit](#)[Close](#)

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## Bulk OOS Release

IEP, MRV or FO can release OOS units via web interface by uploading data into excel format.

Chassis Prefix *	Chassis Number *	Approved By *	Comments *
TNPZ	123456	MRV personnel	Repaired

# BOES Web Portal – Bad Order/Release Search Results

The screenshot displays the BOES Web Portal interface. At the top left is the BOES logo with the text "BAD ORDER EQUIPMENT STATUS". To the right, it shows the user "TRAC Intermodal | 1521807 | TAXZ" and the "Last Login : 06/11/2021 14:13:30". A red button labeled "< Back to Admin" is also present. Below the header is a navigation bar with links: Home, Account Settings, Users, Bad Order Reporting, Bulk Bad Order/Release, Bad Order/Release (selected), Mapping, Reports, and Logout. The main content area is titled "Bad Order Search Result". Under "Search criteria:", there is a dropdown menu showing "Transaction Type : BOES". Below this is a "Go to Page" dropdown set to "1". The search results are displayed in a table with the following columns: CHASSIS ID, FACILITY, IEP SCAC, GIER POOL ID, STATUS, BAD ORDERED ON, RELEASED ON, RELEASED BY, REMARKS, and ON TERM LOCATI. The table contains five rows of data. The first three rows have a status of "RELEASED" (green button), and the last two rows have a status of "OUTOFSERVICE" (orange button).

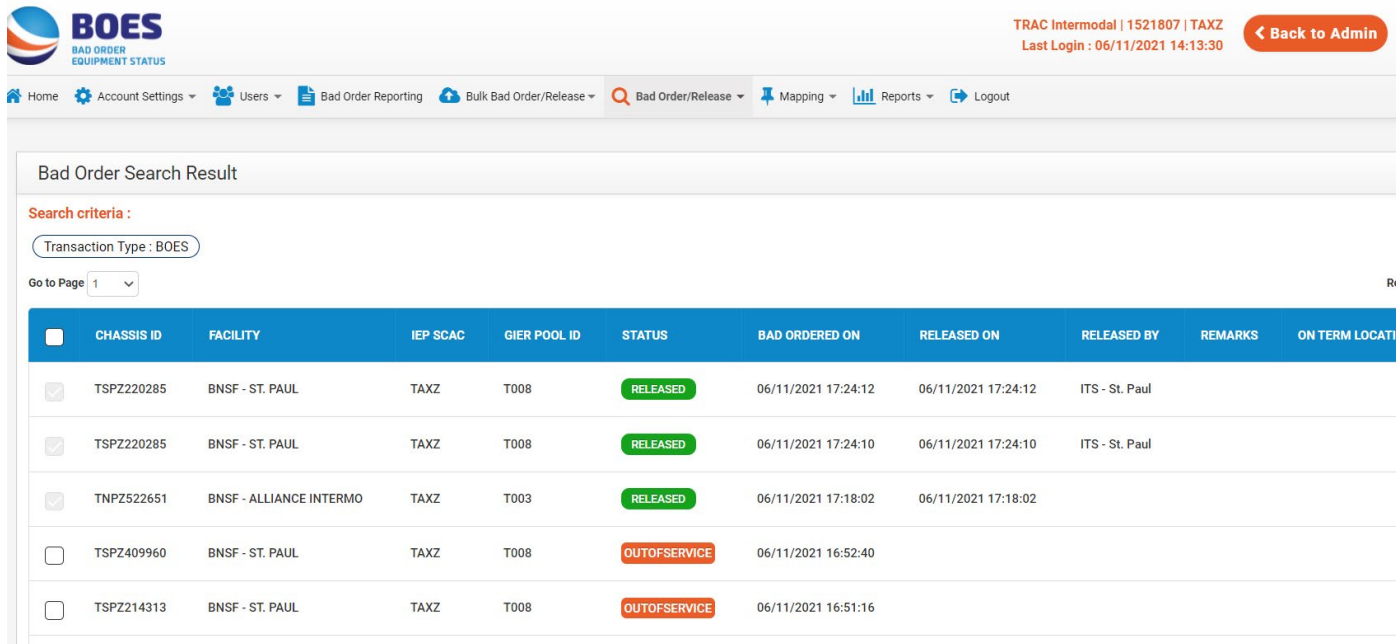
CHASSIS ID	FACILITY	IEP SCAC	GIER POOL ID	STATUS	BAD ORDERED ON	RELEASED ON	RELEASED BY	REMARKS	ON TERM LOCATI
<input checked="" type="checkbox"/> TSPZ220285	BNSF - ST. PAUL	TAXZ	T008	RELEASED	06/11/2021 17:24:12	06/11/2021 17:24:12	ITS - St. Paul		
<input checked="" type="checkbox"/> TSPZ220285	BNSF - ST. PAUL	TAXZ	T008	RELEASED	06/11/2021 17:24:10	06/11/2021 17:24:10	ITS - St. Paul		
<input checked="" type="checkbox"/> TNPZ522651	BNSF - ALLIANCE INTERMO	TAXZ	T003	RELEASED	06/11/2021 17:18:02	06/11/2021 17:18:02			
<input type="checkbox"/> TSPZ409960	BNSF - ST. PAUL	TAXZ	T008	OUTOFSERVICE	06/11/2021 16:52:40				
<input type="checkbox"/> TSPZ214313	BNSF - ST. PAUL	TAXZ	T008	OUTOFSERVICE	06/11/2021 16:51:16				

## Bad Order Search Results

Results are returned based on the search criteria entered. Results return the following:

- Chassis ID
- Facility Type
- IEP SCAC
- GIER Pool ID (if provided)
- Status (Bad Order, Released or Rejected)
- Date of Bad Order
- Date of Release
- Released By
- Remarks
- On-terminal Location

# BOES Web Portal – Bad Order Statuses



The screenshot displays the BOES Web Portal interface. At the top left is the BOES logo with the text 'BAD ORDER EQUIPMENT STATUS'. To the right, it shows 'TRAC Intermodal | 1521807 | TAXZ' and 'Last Login : 06/11/2021 14:13:30' next to a 'Back to Admin' button. Below this is a navigation bar with links: Home, Account Settings, Users, Bad Order Reporting, Bulk Bad Order/Release, Bad Order/Release (active), Mapping, Reports, and Logout. The main content area is titled 'Bad Order Search Result'. Under 'Search criteria:', there is a dropdown menu set to 'Transaction Type : BOES' and a 'Go to Page 1' dropdown. The table below lists search results with columns: CHASSIS ID, FACILITY, IEP SCAC, GIER POOL ID, STATUS, BAD ORDERED ON, RELEASED ON, RELEASED BY, REMARKS, and ON TERM LOCATI. The table contains five rows. The first three rows have a status of 'RELEASED' (green button) and include a 'RELEASED ON' date. The last two rows have a status of 'OUTOFSERVICE' (orange button) and do not have a 'RELEASED ON' date.

<input type="checkbox"/>	CHASSIS ID	FACILITY	IEP SCAC	GIER POOL ID	STATUS	BAD ORDERED ON	RELEASED ON	RELEASED BY	REMARKS	ON TERM LOCATI
<input checked="" type="checkbox"/>	TSPZ220285	BNSF - ST. PAUL	TAXZ	T008	RELEASED	06/11/2021 17:24:12	06/11/2021 17:24:12	ITS - St. Paul		
<input checked="" type="checkbox"/>	TSPZ220285	BNSF - ST. PAUL	TAXZ	T008	RELEASED	06/11/2021 17:24:10	06/11/2021 17:24:10	ITS - St. Paul		
<input checked="" type="checkbox"/>	TNPZ522651	BNSF - ALLIANCE INTERMO	TAXZ	T003	RELEASED	06/11/2021 17:18:02	06/11/2021 17:18:02			
<input type="checkbox"/>	TSPZ409960	BNSF - ST. PAUL	TAXZ	T008	OUTOFSERVICE	06/11/2021 16:52:40				
<input type="checkbox"/>	TSPZ214313	BNSF - ST. PAUL	TAXZ	T008	OUTOFSERVICE	06/11/2021 16:51:16				

## Bad Order Status Breakdown

**Bad Order** – System received transaction identifying unit was bad ordered.

**Released** – Equipment has been marked as repaired/released by user or designated MRV.

**Rejected** – System received transaction, however its been rejected due to format error, IEP not found or IEP found but not setup to receive transactions from BOES system.

# BOES Web Portal – Bad Order Release

Bad Order Search Results

Search criteria : Transaction Type

<input type="checkbox"/>	Sender	Trans.
<input checked="" type="checkbox"/>	TAXZ	06/27
<input checked="" type="checkbox"/>	TAXZ	06/27
<input checked="" type="checkbox"/>	TAXZ	06/27
<input checked="" type="checkbox"/>	TAXZ	06/27
<input type="checkbox"/>	TAXZ	06/29/2016
<input type="checkbox"/>	TAXZ	06/29/2016
<input type="checkbox"/>	TAXZ	06/29/2016
<input type="checkbox"/>	TAXZ	06/29/2016
<input type="checkbox"/>	TAXZ	06/29/2016
<input type="checkbox"/>	TAXZ	06/29/2016

Bad Order Release

Repair Completed : \* ☐

Authorized By : \*

Comments : \*

BOES	TNPZ00025	TAXZ	1. ---	OUTOFSERVICE
BOES	TNPZ200030	TAXZ	1. ---	OUTOFSERVICE
BOES	TNPZ200026	TAXZ	1. ---	OUTOFSERVICE
BOES	TNPZ200025	TAXZ	1. ---	OUTOFSERVICE
BOES	TNPZ200024	TAXZ	1. ---	OUTOFSERVICE
BOES	TNPZ200037	TAXZ	1. ---	OUTOFSERVICE

## Equipment Release Via Web Portal (IEP, MRV or FO)

To release equipment via web portal, simply click on checkbox next to the unit to be released and then click on **RELEASE ALL SELECTED EQUIP** at the bottom of the page. (Note multiple units can be released at the same time)

Party verifying the repair completes Repair Completed, Authorized By and any addl. comments related to the repair. Then clicks **SUBMIT**.

# BOES – Bad Order Reporting

## Reports

Number of Bad Orders Received

Defects trend

From Transaction Date :

From Transaction Date(mm/dd/yyyy)

To Transaction Date :

To Transaction Date(mm/dd/yyyy)

Search

Clear Search

IEP Name	Trans Date	Total BadOrders Received
Trac Intermodal	01-07-2016	164
Trac Intermodal	01-08-2016	4
Trac Intermodal	02-08-2016	4

Using Bad Orders Received As Report Criteria

## Reports

Number of Bad Orders Received

Defects trend

From Transaction Date :

From Transaction Date(mm/dd/yyyy)

To Transaction Date :

To Transaction Date(mm/dd/yyyy)

Select Transaction Type :

DVIR

Select Defect :

02-Lights

Search

Clear Search

Using Defect Trends – Available by both DVIR or Bad Order Transaction Type


## Reporting – available by


- Number of Bad Orders Received by date range
- Defects Trend – pulls statistics on defects by date range, transaction type or defect. This applies to BOES and DVIR only.










# BOES – Bad Order Reporting – cont'd

**Bad Order Turn Time Report** – This report will allow user to track the time when a unit is placed in bad order and then released. Reporting parameters are:

- 1) By Date
- 2) By Equipment ID
- 3) By Location Code



IANA's Bad Order Equipment Status Service

Demo Account | 0000000 | IANA  Demo Account ▾

 Home  Account Settings ▾  Users ▾  Bad Order Reporting  Bulk Bad Order/Release Reporting ▾  Bad Order Search/Release  Mapping ▾  Reports ▾  Logout

### Bad Order Turn Time Search

From Transaction Date :	<input type="text" value="From Transaction Date(mm/dd/yyyy)"/>	To Transaction Date :	<input type="text" value="To Transaction Date(mm/dd/yyyy)"/>
EqPrefix :	<input type="text" value="EQ.PREFIX"/>	EqNumber :	<input type="text" value="EQ.NUMBER"/>
IANA/SPLC Location Name/Code :	<input type="text" value="IANA Location Code"/>		

 Search  Clear Search



# Contact Info

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