Oregon Department of Transportation

RAIL Order

Electronic Content Management (ECM) System

Table of Contents

Version	Description	Author	Date
Version 1	Completed Final version.	LeeAnn M Orozco	01/07/2014
Version 2	Document was updated based on updates made to the system when it was rewritten to a .NET Framework.	Dianne Broadbent	12/04/2019
Version 3	Document was updated based on UAT test results.	Dianne Broadbent	01/14/2020

Glossary

Agency	*The Oregon Department of Transportation state government agency that enacts and enforces Oregon Administrative Rules (OAR) relating to transportation. Also referred to as ODOT.*
Content Engine	*The content engine handles library services (content and versioning) for the FileNet P8 platform. Generally, it stores and processes content-related data.*
Crossing	*A permanent structure that is located on, over, or under the tracks where pedestrians or vehicles must cross.*
Docket	*An electronic or paper copy of a folder that contains the documented history of the Order. A docket file includes all documents leading up to the signed Order.*
Document	*A generic term for a set of information designed and presented as an individual entity. Document formats can be, for example, print publications (books, reports, maps, etc.) or electronic publication (electronic books, electronic journals, etc.).*
Document Class	*This is a term in FileNet's nomenclature. Document Classes are used to determine the initial properties and behaviors of the respective objects. All objects within one class will be identical in their makeup and behavior, but each instance of an object will have its own set of property (i.e., attribute) values.*
ECM	*Electronic Content Management, specifically ODOT's IBM FileNet P8 System.* *It also refers to Enterprise Content Management for strategies and technologies that are used to manage the capture, storage, security, revision control, retrieval, distribution, preservation, and destruction of documents and content. These technologies are capable of managing structured as well as unstructured content, email, images, raw data, and other digital assets.*
FileNet P8	*Refers to an enterprise platform of software tools that are licensed by FileNet and used to automate business processes, manage all forms of content, and automate records management to meet compliance needs.*

Index	*Refers to a process to collect data about content (e.g., a document) that will be used to facilitate the future search and retrieval of said content.*
Metadata	*Refers to the definition and description of data. Metadata consists of pre-determined values that describe various attributes of a document.*
OAR	*Oregon Administrative Rules. Rules that have been written to enforce Oregon Revised Statutes.*
Object	*Any item that can be individually selected or manipulated, for example a picture, data file, or piece of text.*
ODOT	*Oregon Department of Transportation. A state government agency that enacts and enforces OAR relating to transportation. Also referred to as Agency.*
Order	*Legal authority from the State setting provisions regarding established OAR and ORS.*
ORS	*Oregon Revised Statutes. Laws that have been enacted by Oregon government.*
PDF	*Portable Document Format. Refers to a file format created by Adobe Systems for document exchange. This format is a standard for representing electronic documents and allowing them to be transmitted and reproduced accurately.*
Railroad	*As defined by ORS 824.020 means all corporations, municipal corporations, counties, companies, individuals, associations of individuals and their lessees, trustees or receivers, that:* *a) Own, operate by steam, electric or other motive power, manage or control all or part of any railroad or inter-urban railroad as a common or for hire carrier in this state, or cars or other equipment used thereon, or bridges, terminals or sidetracks used in connection therewith, whether owned or operated under a contract, agreement, lease or otherwise.* *b) Are engaged in the ownership, management or control of terminals in this state, which corporations, municipal corporations, counties, companies, individuals and associations hereby are declared to be common and for hire carriers, or the transportation of property within this state by express.*

TAD	*Transportation Application Development. Refers to the group within ODOT responsible for the development of new and maintenance of existing applications.*

Search Application Data Fields

The following data fields are available on the Rail Order Search screen.

Order Type	An 'exact' choice list search for a sub-class of a Rail Order type. When no selection is made, then all sub-classes under Rail Safety Order and Crossing Order are searched, and the default value is blank.
Docket Number	A 'like' text search for the docket number identifying the legal case or cases. When no selection is made, the default value is blank.
Order Number	A 'like' text entry search for a unique identifier associated with the scanned order. When no selection is made, the default value is blank.
Signed Date: On or After	The on or after date of signed document(s). A calendar is available for selecting the date or it can be entered manually. When no selection is made, the default value is blank.
Signed Date: On or Before	The on or before date of signed document(s). A calendar is available for selecting the date or it can be entered manually. When no selection is made, the default value is blank.
Rail Division Section	An 'exact' choice list search for documents related to a specific section within the Rail Division. When no selection is made, the default value is blank.
Rail Division Program	An 'exact' choice list search for documents related to a specific program within the Rail Division. When no selection is made, the default value is blank.

Railroad	An 'exact' choice list search for the acronym associated with a railroad company. When no selection is made, the default value is blank. See Appendix A on page 40.
Railroad Line	An 'exact' choice list search for the ODOT assigned designation for sections of track. This is an Alpha or Numeric/Alpha character. When no selection is made, the default value is blank. See Appendix B on page 42.
Railroad Milepost	A 'like' text entry search for the multi-valued version of milepost property. Can contain multiple markings of distance on a roadway. When no selection is made, the default value is blank.
City	An 'exact' choice list search for the name of a city, populated place or urbanized area. When no selection is made, the default value is blank.
County	An 'exact' choice list search for the name of the county or counties to which the file or document applies. When no selection is made, the default value is blank.
Street Name	A 'like' text entry search for the name of a street to which the file or document applies.
Document Type	An 'exact' choice list search for documents associated with a document type.
Industry Number	A 'like' text entry search for the industry number associated with a specific business identifier assigned by ODOT. This number is a combination of Alpha and Numeric characters.

Industry Name	A 'like' text entry search for the industry name associated with a specific business.
Address	A 'like' text entry search for the address associated with a specific business.
ODOT Crossing Number	A 'like' text entry search for the unique identifier associated with the assigned ODOT crossing number within the state. This number is a combination of Alpha and Numeric characters using railroad line(s), milepost(s) and an optional alpha-suffix. i.e. *C-691.50*
USDOT Crossing Number	A 'like' text entry search for the unique identifier assigned to each crossing by the US government. This number contains six Numeric characters followed by a single Alpha character. i.e. *760064H*
Road Authority	An 'exact' choice list search for documents associated with a governing body responsible for the road at the highway/railroad crossing.

<u>Administration Application Data Fields</u>

The following data fields are available on the Rail Order Administration screen for Add New Order Document. A red asterisk (*) indicates a required field.

Order Type*	A sub-class of a Rail Order type to which the file or document applies. A selection must be made.
Docket Number	A number identifying a legal case or cases to which the file or document applies. This field can be left blank, or one or more numbers can be entered.
Order Number*	A unique identifier associated with the Rail Order to which the file or document applies.
Signed Date*	Date of signed document.
Rail Division Section*	A specific section within the Rail Division to which the file or document applies.
Rail Division Program*	A specific program within the Rail Division to which the file or document applies.
Railroad*	An acronym associated with a railroad company to which the file or document applies. See Appendix A on page 40.
Railroad Line*	The ODOT assigned designation for sections of track to which the file or document applies. See Appendix B on page 42.

Railroad Milepost*	A multi-valued version of milepost property to which the file or document applies. The railroad milepost can contain multiple markings of distance on a roadway.
City	A name of a city or cities, populated place or urbanized area to which the file or document applies.
County*	A name of the county or counties to which the file or document applies.
Street Name*	A name of a street to which the file or document applies.
Document Type*	A category for the type of document to which the file or document applies.
Industry Number* (Appears as a required field when the Order Type is Railroad Safety Order)	A number assigned by ODOT specific to the industry to which the file or document applies.
Industry Name* (Appears as a required field when the Order Type is Railroad Safety Order)	A name of the industry associated with a specific business to which the file or document applies.
Industry Address (Appears as an optional field when the Order Type is Railroad Safety Order)	An address associated with a specific business to which the file or document applies.

ODOT Crossing Number* **(Appears as a required field when the Order Type is Crossing Order)**	An ODOT crossing number to which the file or document applies. The number is a unique identifier associated with the assigned ODOT crossing number within the state. This number is a combination of Alpha and Numeric characters using railroad line(s), milepost(s) and an optional alpha-suffix. i.e. *C-691.50*
USDOT Crossing Number* **(Appears as a required field when the Order Type is Crossing Order)**	A USDOT crossing number to which the file or document applies. The number is a unique identifier assigned to each crossing by the US government. This number contains six Numeric characters followed by a single Alpha character. This field has been configured to only recognize this format, and an error message will display when this format is not used. i.e. *760064H*
Road Authority* **(Appears as a required field when the Order Type is Crossing Order)**	A city, county or governing body responsible for the road at the highway/railroad crossing to which the file or document applies.

Rail Order

About Rail Order

Rail Order is the Rail portion of the Oregon Department of Transportation (ODOT) Enterprise Content Management (ECM) system master registry. It is a system used to capture, store, preserve and deliver Rail Order documents. The document storage system is ODOT's IBM FileNet P8 Content Engine version 4.5 Repository. This system allows users to access and manage electronic Rail documents including upload, index, store, search, retrieve and print depending on access rights.

Objective

The purpose of the Rail Order system is to provide a central repository to store Rail Safety and Crossing orders. This allows the documents to be stored in a central location, and made available from a single online access point to users inside and outside of the Rail Division and ODOT.

About this Document

This document provides an introduction to the functions and features of the Rail Order system and includes step-by-step procedures for accessing and managing documents.

Functions   The Rail Order system offers the following functions and features for the user roles listed.

Rail Order Internet Users:

- **Rail Search** – provides online access to Rail Crossing Orders and Rail Safety Orders
    o Search and View
    o Download and Print

Rail Order Intranet Users:

- **Rail Search** – provides online access to Rail Crossing Orders and Rail Safety Orders
    o Search and View
    o Download and Print
- **Rail Admin** – provides ability to add new documents and maintain existing documents in the Rail Order System
    o Search and View
    o Download and Print
    o Add
    o Update
    o Delete

NOTE: This user guide may not address all of the features and functions of the Rail Order web application. It only addresses the features and functions available in the system at the time of this writing. Other functionalities may be added in a later version, see the appropriate user guide or contact the FileNet Administrator.

Users

General Rail Order User

A user inside and outside of ODOT needing to search for and view Rail Order documents.

For *Internet* users, the application will not recognize an individual to a particular security group. All Internet General Users are treated as anonymous, and are allowed access for search, view, download and print functionality.

For *Intranet* users, the application will recognize an individual's network login ID and allow access for search, view, download and print functionality.

Rail Order System Administrator

An agency employee in the Rail Division with administrative access to add and update documents and its metadata in the FileNet system. The Rail Admin is an Intranet user, and will be identified as having administrative access based on their network login ID. The Rail Admin provides document add and update access, as well as search, view, download and print functionality.

FileNet Administrator

An employee in the Transportation Application Development (TAD) unit of ODOT who supports FileNet. These administrators are not users. They are support services for the FileNet system.

Security

Application

- The ODOT Computer Security Unit is responsible for setting permissions and security profiles for users.

- Access and usage of the *Intranet* application is available to all ODOT staff and recognizes Rail Administrators.

- Access and usage of the *Internet* application is available to all users including the public.

Document

- Viewing, downloading, saving and printing documents is available to the Rail Order System Administrators and General Users including the public.

- Adding, deleting and updating documents, including the entry of metadata, are restricted to Rail Order System Administrators.

System Performance

System Support	System support is available Monday through Friday from 8:00AM to 5:00PM.
Backup	The file store is backed up incrementally each day and in full monthly, and retained for 90 days.

Business Process
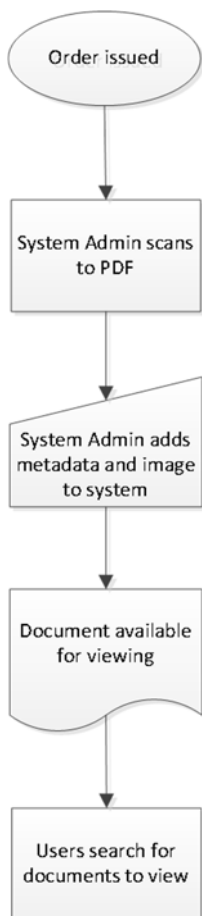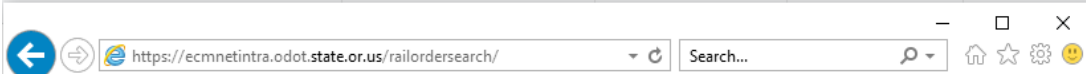
1. An Order has been issued.

2. The Rail Order System Administrator scans the Final Order as a PDF.

3. The Rail Order System Administrator provides metadata and the scanned document to load it into the system via the Rail Order Administration screen for Add New Order Document.

4. The document is now available for viewing via the Rail Order Search screen.

5. Users access the web-based application to locate documents for viewing, downloading and printing via the Rail Order Search screen.

Access

To access the Rail Order, you must have access to an internet browser on your computer desktop. Access to the application is through a web browser. Access to the internet is necessary as the user interface is a web application. **Public users** will be able to access the application via the Internet. **Internal ODOT users** will access the application via the Intranet and must have an ODOT network ID.

For internal users, the application will verify the user by the user's browser using Integrated Windows Authentication. Contact ODOT Computer Support for installation and access information.

Step 1	Open an Internet browser.
Step 2	Enter the Web address for the application into the web address field. Use https://ecmnet.odot.state.or.us/railordersearch/ for **public users**. Use https://ecmnetintra.odot.state.or.us/railordersearch/ for internal **ODOT users**. Select **Search** 🔍 on the web address bar or click on the **Enter** key on your keyboard to open the Rail Order web application to begin Rail Order Search. ← → 🔵 https://ecmnetintra.odot.state.or.us/railordersearch/ ▾ ↻ Search... 🔍 ▾ *NOTE: For quick access in the future, add the Rail Search Order Web page to the Favorites list on your internet browser.*

Step 3	The Rail Order Search screen will appear, and you can begin your search. If you are using the Internet Explorer (I.E.) Web browser, you should see a calendar tool when you click on Signed Date: On or After or Signed Date: On or Before. If you are using the Chrome Web browser and do not see a calendar tool when you click on Signed Date: On or After or Signed Date: On or Before, press Ctrl+F5 to clear your cache or tab to the Signed Date fields from the Order Number field. If you enter a date in Signed Date: On or After or Signed Date: On or Before, the date format is MM/DD/YYYY. To close and exit the Rail Order system, **close** your Internet browser when you finished using Rail Order Search.

Rail Order Tips

When using the Rail Order application, keep these tips in mind:

- Do not use your browser's back and forward navigation buttons to move between screens. Instead, use the links provided on each screen.

- If you need help with the Rail Order application, contact the ODOT Computer Support Desk at 503-986-3800.

Search Tips
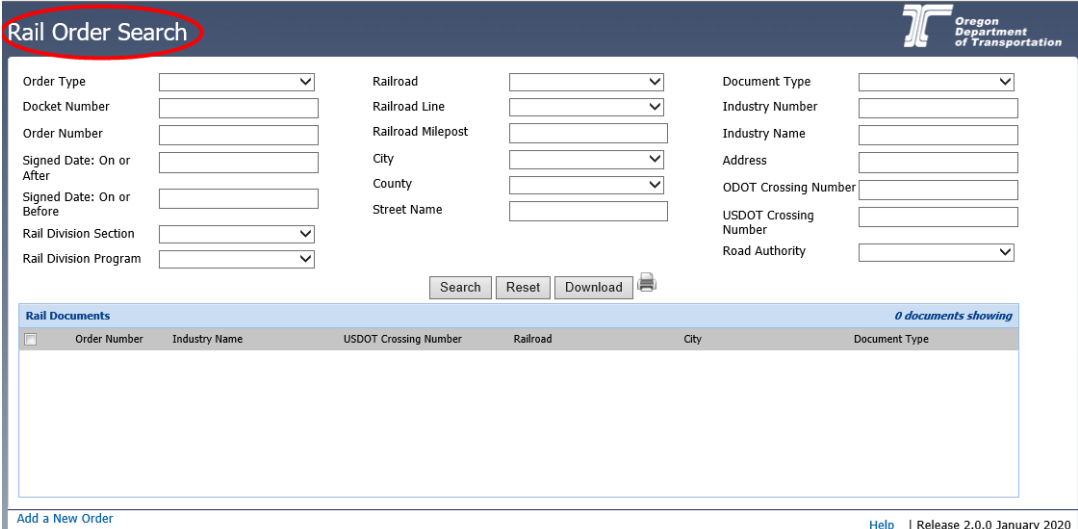
When using the search functionalities, keep these tips in mind:

- The Search screen provides some required and some optional search criteria options.

- Enter sufficient search criteria to identify the desired Order without returning too many or too few results. The more specific criteria you enter, the better the search results.

- The search process looks for all documents containing **all** of the search criteria you enter. For example, if you enter an **Order Type** and **Railroad Line**, then the search results will include every document that contains **all** of these entered criteria.

- If your search criteria produce too few results, reduce your search criteria. For example, search only on **Rail Type**, instead of **Rail Type** and **Railroad Line**.

- If your search criteria produce too many results, increase the number of criteria used in your search. For example, search on **Rail Type** and **Railroad Line**, instead of just **Rail Type**.

- When you select an Order Type, a maximum of 200 results may be returned with any one search. When you do not select an Order Type, a maximum of 400 results may be returned with any one search. If you are not finding your order, you should narrow your search by adding additional search criteria.

Search

Step 1	Open the **Search** screen. Access the Rail Order application. The application defaults to opening the **Rail Order Search** screen.
Step 2	Enter or select search criteria as applicable.
Step 3	Click on [Search] to execute the search. The application completes the search and displays the results at the bottom section of the screen under **Rail Documents**.

|	
Step 4	Double click on any line item under a category header in the **Rail Documents** list to view the document. For example, double click on 0005044 to view the corresponding document.
Step 5	A window is displayed asking if you want to open or save the document. To open the document and view, select the Open button.

NOTE: Click on the ⓘ *button to view the **Document Information** or metadata associated with the document. Then select the* ☒ *button to close the **Document Information** window.*

NOTE: *When Crossing Order is selected on the Rail Order Search screen, the Rail Division Section and Rail Division Program auto-populate the appropriate options from the choice lists. Also, the Industry Number, Industry Name and Address fields become disabled.*

NOTE: *When Railroad Safety Order is selected, the Rail Division Section and Rail Division Program auto-populate the appropriate options from the choice lists. Also, the ODOT Crossing Number, USDOT Crossing Number and Road Authority fields become disabled.*

Download and Print a Document

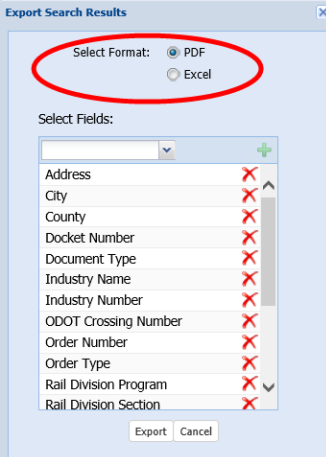| Step 1	Execute a Search from the **Rail Order Search** screen. The **Rail Documents** list will display at the bottom section of the screen. Select one or more documents by clicking the box next to the document you want to select.
	When you have checked the box(es) next to the document(s) you want to download, click on the Download button to execute the command.

Step 2	When downloading a document, a window is displayed asking if you want to open or save the document.

Do you want to open or save **RailOrders.zip** from **ecmnettestintra.odot.state.or.us**? Open Save ▼ Cancel ×
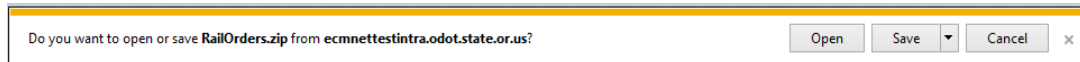
To open the document and view, select the **Open** button. The document will open and can be printed.

To cancel the request to download the document, click on the **Cancel** button.

To save the document, click on the **drop-down arrow** ▼ next to the save button and select **Save as** from the drop-down list.

Save
Save as
Save and open
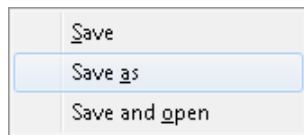
The **Save As** window is displayed. Select the folder or location to save the document.

Click on the **Save** button to save the document to the selected folder. The exported document is successfully saved.
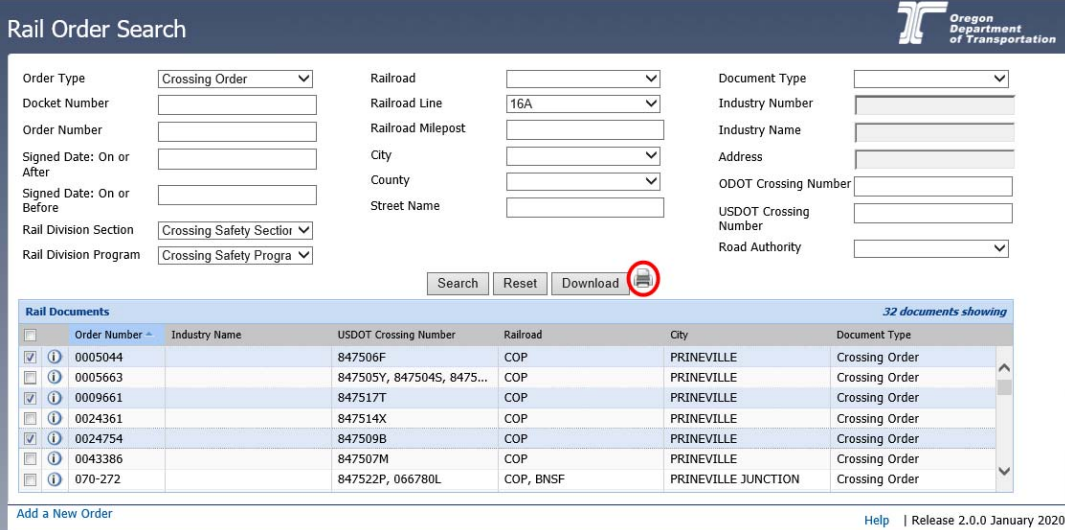
Click on the **Cancel** button to cancel the request to save.

Export Search Results List

Step 1	Execute a Search from the **Rail Order Search** screen. The **Rail Documents** list will display at the bottom section of the screen. Select the 🖨 button to export the search results. The 🖨 button allows you to export all your search results to a PDF or Excel file, not just documents selected in the checkboxes next to the Order Number.
Step 2	The Export Search Results window will display. Click on ⊙ PDF to export the search results to a PDF document. Click on ⊙ Excel to export the search results to an Excel spreadsheet.

| **Step 3** | Eliminate category headers and information to display by selecting the ✗ button next to the unwanted field.

Add a category back to the list using the ⌄ drop-down and ➕ buttons.
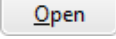
When the list contains the desired categories, select the Export button.

 |
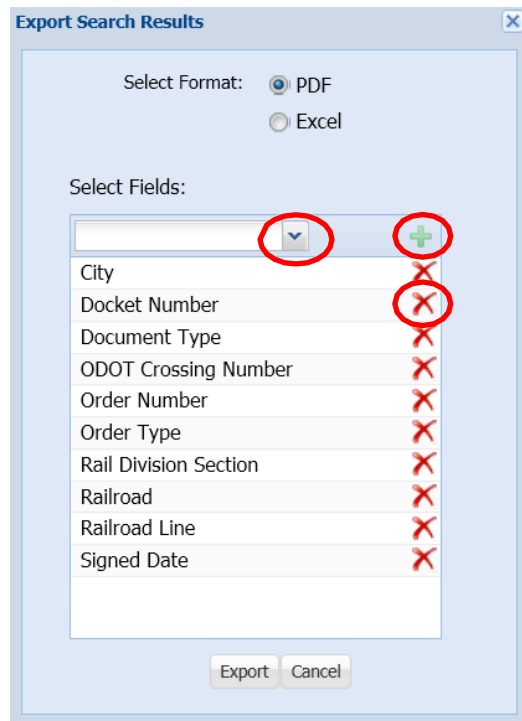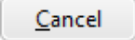
Step 4	A window is displayed asking if you want to open or save the Search Results List.

Do you want to open or save **searchResults.pdf** from **ecmintra.odot.state.or.us**?   Open   Save ▾   Cancel   ✕

To open the list and view, select the [Open] button. The list will open and can be printed.

To cancel the request to download the list, click on the [Cancel] button.

To save the list, click on the **drop-down arrow** [▾] next to the save button and select **Save as** from the drop-down list.

Save
Save as
Save and open
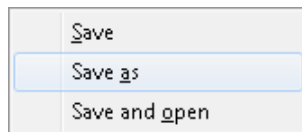
The **Save As** window is displayed. Select the folder or location to save the list.

Click on the [Save] button to save the list to the selected folder. The exported Search Results List is successfully saved.

Click on the [Cancel] button to cancel the request to save.

Add a New Order

Step 1	Only the Rail Order System Administrator user role can add a new Order. An Order can be added by selecting the option to **Add a New Order** at the bottom left corner of the **Rail Order Search** screen.
Step 2	On the **Add New Order Document** screen, enter the data for the new Order. Enter or select the appropriate metadata or criteria associated with the document to be uploaded. A red asterisk (*) indicates required fields. Data must be entered into all required fields in order to add a new Order document.
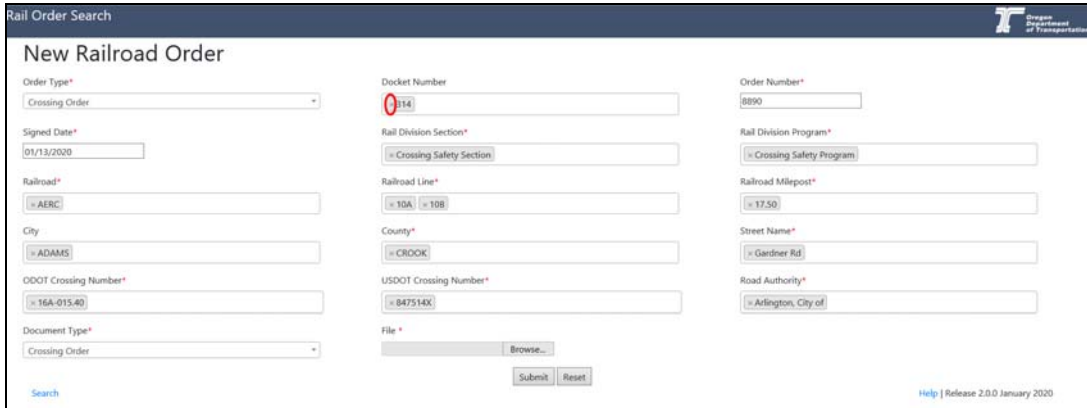
Step 3	You can remove metadata entered in error with the ✕ located next to the incorrect entry. Click on [Reset] to clear the entered information and start over to add a new document.
Step 4	When all appropriate metadata is entered on the **Add New Order Document** Screen then select [Browse...] to choose a file to upload. When the document has been chosen, it will appear in the browser bar. Click [Submit] to upload the document into the FileNet system. Information was successfully uploaded when the system displays Record Saved. The new Order document is now available for search and retrieval.

Step 5	When a new Railroad Order document is added, the system displays the Edit Railroad Order screen.
	You can update data for the Order if needed.
	To return to the Search screen, click on the Search link at the bottom left corner of your screen.

NOTE: When Crossing Order is selected on the Add New Order Document screen, the ODOT Crossing Number, USDOT Crossing Number and Road Authority appear as required fields.

NOTE: When Railroad Safety Order is selected, the Industry Number and Industry Name appear as required fields, and the Industry Address appears as an optional field.
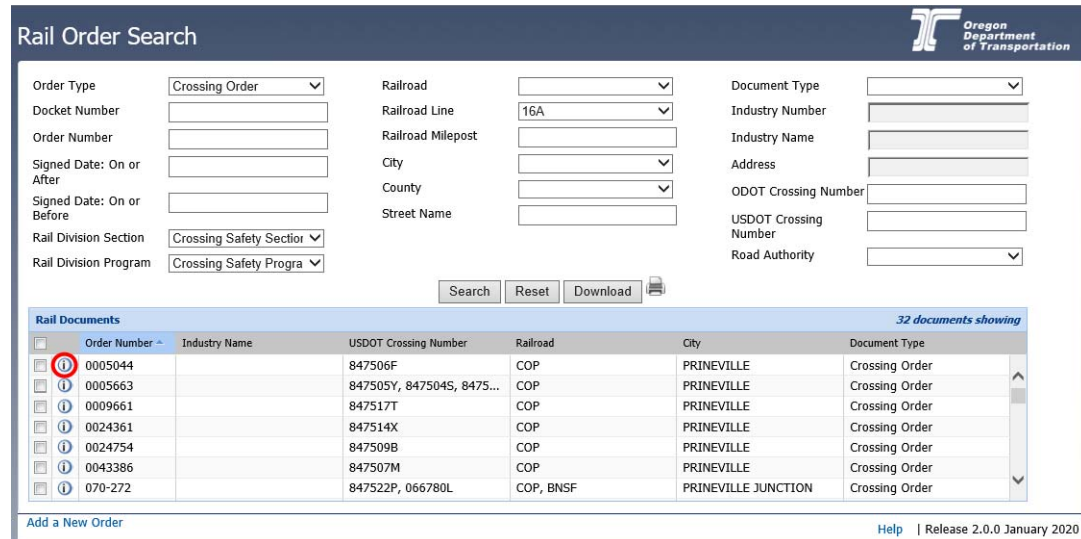
Update and Delete

Step 1	Execute a Search from the Rail Order Search screen. The Rail Documents list will display at the bottom section of the screen. Authorized users can select the ⓘ to delete the document or update the metadata associated with the document.
Step 2	To update information, make necessary changes and select the Submit button. To delete the document, select the Delete button.

Step 3	Select [Submit] to complete the update, or [Reset] to clear the entered information and start over to add changes. When the updated is completed, the system will display Record Saved.
Step 4	When deleting, a pop-up confirmation will appear to delete the document. Select OK to complete the command, or Cancel to cancel the command. *WARNING: While the Rail Order documents are backed up, it is not an easy process to recover. Please be certain when deleting.* When the delete is completed, the system will display Order Deleted.

Common Errors

The following are common errors that may occur during the Rail Add or Update processes:

Data Entry Error: This type of error occurs when a System Administrator is adding or updating information, and the data entered is invalid. For example, the USDOT Crossing Number field has a required format and specified options, and the following error is received when an incorrect USDOT Crossing Number is entered.

- USDOT Crossing Number must be valid

Required Data Missing: This type of error occurs when a System Administrator is adding or updating information, and the required fields are missing data. Required fields are identified with a red asterisk on the *Add a New Order* screen and the *Update Order Document* screen.

- Order Type Required
- Order Number Required
- Signed Date Required
- Document Type is required
- File is Required
- Rail Division Section Required
- Rail Division Program Required
- Railroad is required
- Railroad Line is required
- Railroad Milepost is required
- County is required
- Street Name is required

File Missing for Upload: This type of error occurs when a System Administrator does not select a file to upload when metadata is entered on the *Add a New Order* screen.

- File is Required

<u>Technical Support</u>

For errors associated with the Rail Order search, download, add, update or delete processes, please contact your Rail Order System Administrator first. If the issue is not resolved, the Rail Order System Administrator will then contact the Computer Support Desk.

For technical assistance, please contact the Computer Support Desk at (503) 986-3800.

Appendix A – Railroad Names

Acronym	Railroad Company Name
AERC	Albany & Eastern Railroad Co.
BNSF	Burlington Northern & Santa Fe Railway Co.
CBR	Coos Bay Rail Link
COA	Astoria Riverfront Trolley
COP	City of Prineville Railway
COPX	Willamette Shore Trolley
CORP	Central Oregon & Pacific Railroad
HLSC	Hampton Railway, Inc.
INPR	Idaho Northern & Pacific Railway Co.
KNOR	Klamath Northern Railway Co.
LPN	Longview, Portland, & Northern Railway Co.
LRY	Lake Railway
MH	Mount Hood Railroad Co.
OCSR	Oregon Coast Scenic Railroad
OERR	Oregon Eastern Railroad
OPR	Oregon Pacific Railroad Co.
PCC	Palouse River & Coulee City Railroad
PNWR	Portland & Western Railroad
POMN	Port of Morrow
POPD	Port of Portland
POTB	Port of Tillamook Bay Railroad
PPC	Spaulding Railroad-Publishers Paper Company
PT	Peninsula Terminal Co.
PTC	Portland Traction Co.
PTO	Portland Terminal Railroad Co.
RVT	Rouge Valley Terminal Railroad
SRR	Santiam Railroad
SUVX	Sumpter Valley Railroad Restoration
TMEQ	Tri-Met Lightrail
VASR	Valley & Siletz Railroad, LLC
V&S	Valley & Siletz Railroad Co.
UP	Union Pacific Railroad Co.
VFRC	Venell Farms Railroad Co.
WCTR	WCTU Railroad Co.
WCTU	White City Railroad & Utility Co.
WPRR	Willamette & Pacific Railroad, Inc.
WST	Willamette Shore Trolley

WURR	Wallowa Union Railroad Co.
WVRD	Willamette Valley Railway Co.
WYCO	Wyoming & Colorado Railroad

Appendix B – Railroad Lines

Line Designation	Railroad Line
10A	**BNSF** line from Bend to Chemult on the Oregon Trunk Sub. (z is used behind the milepost number by the railroad to differentiate between the 10A line and the 28T line).
10B	**BNSF** Bieber line from Klamath Falls to California border on the Gateway Sub.
16A	**COP** Railroad from Prineville Jct. on the BNSF to the city of Prineville.
24A	**MH** Railway line from the UP at Hood River to Parkdale.
28T	**BNSF** line from the Washington border (near The Dalles) to Bend, on the Oregon Trunk Sub.
29A	**PT** yard tracks off of the BNSF in northwest Portland. (Near the Portland Expo center)
2A	**UP** main line from Portland to Huntington, covering the Portland Sub., the LaGrande Sub., & a portion of the Huntington Sub.
2AD	**UP** Seattle main from Portland to Washington border on the Portland Sub.
2AE	**UP** Kenton line from Portland to Troutdale on the Portland Sub.
2AH	**UP** Spokane main from Hermiston (Hinkle yard) to Washington border on the Ayer Sub.
2B	**UP** Portland St. Johns branch line on the Portland Sub.
2E	**PCC** line, off of the UP, from Arlington to Gilliam.
2F	**UP** Heppner branch, MP 0.0 to MP 1.5
2G	**INPR** line, off of the UP, from LaGrande to Elgin (MP 20.5)
2G	**WURR** line, off of INPR, from Elgin (MP 20.5) to Joseph.
2H	**PCC** line from Weston to Washington border.
2I	**UP** Pilot Rock line from Rieth to Pilot Rock on the LaGrande Sub.
2J	**UP** main line from the Idaho border at Nyssa to Huntington on the Huntington Sub.
2K	**UP** Homedale line from Nyssa to Adrian on the Huntington Sub.
2O	**UP** Umatilla branch line from Hermiston (Hinkle yard) to Umatilla on the LaGrande Sub.
35A	**HLSC** line, off of the PNWR, from Willamina to Fort Hill (**WPRR** operates the line).
36A	**KNOR** line, off of the UP, from Gilchrist Jct. to Gilchrist.
37W	**RVT** yard tracks in White City.
38A	**POTB** line, from Tillamook yard (MP 856.18) to Blimp hangers
38B	**POTB** line, off of PNWR, from Banks (MP 774.7) to Tillamook yard (MP 856.18).
38B	**PNWR** Tillamook line MP 773.8 to MP 774.7

3E	**PNWR** OE line from Portland to Eugene.
3F	**PNWR** Forest Grove line from Hillsboro to Forest Grove.
3S	**PNWR** Santiam branch, Albany MP 0.0 to MP 0.9
3S	**AERC** Sweet Home line from Lebanon (MP 14.5) to Foster (MP 31.9).
44A	**LRY** line from California border to Lakeview.
45A	**OERR** line, off of the UP, from Ontario to MP 26.0 (west of Vale).
47A	**WST** Trolley line, old SP Jefferson St. branch, Lake Oswego to Portland
4A	**OPR** Portland branch line, off of UP, from Portland to Milwaukie.
5A	**PNWR** Astoria line, off of BNSF, from Portland to Astoria.
5A	**COA** Astoria Trolley, MP 97.1 to MP 101.8
5D	**BNSF** Seattle main line from Portland to Washington border.
7A	**PTO** yard and industry tracks (Location; near the start of Hwy 30)
7B	**PTO** yard and industry tracks (Location; north side of Front St.)
7E	**PTO** yard and industry tracks (Location; York St. line)
7F	**PTO** yard and industry tracks (Location; Yeon Ave. line)
8P	**BNSF** Pettygrove line in Portland on the Fallbridge Sub.
8U	**PNWR** United Railways branch line from Bowers Jct (MP 17.1) to Banks.
C	**CORP** main line from Springfield (MP 644.3) to the California border (MP 403.2), south of Ashland.
C	**UP** main line from Portland (MP 770.30) to Springfield (MP 644.3) on the Brooklyn Sub.
CC	**WVRD** line, off of UP, from Woodburn to Stayton
CE	**UP** Marcola branch line in Springfield
CF	**UP** main line from the California border near Klamath Falls to Springfield on the Roseville Sub. The Cascade Sub, & the Brooklyn Sub.
CFA	**UP** Modoc line from the California border near Malone to Klamath Falls on the Roseville Sub.
CG	**WVRD** line, off of Woodburn/Stayton line at Geer (east of Salem).
CJ	**OPR** Molalla line, off of UP, from Canby to Liberal.
CK	**PNWR** Toledo line from Albany to Toledo.
CLA	**AERC** Mill City line, off of WPRR, from Albany to Tallman (line designation change)
CLB	**AERC** Mill City line from Tallman (line designation change) to Mill City.
CM	**PNWR** Dallas line from Thielsen (MP 728.5) to Dallas.
CO	**CBR** Coos Bay line, off of UP, from Eugene (MP 652.0) to Coquille.
CO	**UP** Coos Bay line from Eugene yard to MP 652.0.
CR	**CORP** White City line from Tolo to White City
F	**PNWR** Seghers line from Stimsom timber (MP 752.5) to Hillsboro.
F	**PNWR** west side branch line from Corvallis (MP 688.9) to St. Joseph

	(MP 739.4) north of McMinnville.
F	**VFRC** west side branch line, off of WPRR, from Venell Farms (MP 682.25) to Corvallis (MP 687.6)
F	**PNWR** west side branch line from Monroe to Venell Farms (MP 682.25) & Corvallis MP 687.6 to MP 688.9
FAA	**PNWR** Seghers line from Stimsom timber (MP 752.5) to Hillsboro.
FCA	**PNWR** Willamina line from Whiteson (MP 730.6) to Willamina.
FD	**PNWR** Willburg line from Milwaukie (MP 741.6) to Bonita (MP 750.0).
FD	**PNWR** Tillamook line from Beaverton (755.4) to Banks (MP 773.8).
FE	**PNWR** Bailey line from Alpine Jct. (MP 673.0) to Dawson.
P	**PNWR** West side branch line from St. Joseph (MP 739.4, north of McMinnville) to Lake Oswego.