



EAD User Guide

Network Manager

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Version
{{productVersion}}



Table of Contents


- 1. Version..... 5
- 2. Foreword on eEAD-W1 package..... 6
- 3. Technical Prerequisites..... 7
- 4. Login..... 8
- 5. Common Features..... 16
 - 5.1. Natural Descriptor..... 17
 - 5.2. Temporality..... 18
 - 5.2.1. Data Branches..... 19
 - 5.2.2. Time Slice..... 20
 - 5.3. Use Dates..... 23
 - 5.3.1. Date Range..... 24
 - 5.3.2. Date Picker..... 25
 - 5.3.3. Effective Date..... 28
 - 5.3.4. Effective / Invalid Indicator..... 29
 - 5.4. Use Tables..... 31
 - 5.4.1. Manage Columns in Tables..... 32
 - 5.4.2. Sort Columns in Tables..... 33
 - 5.4.3. Action Menus in Tables..... 34
 - 5.5. Use Wildcards..... 36
 - 5.6. Search in Feature List..... 37
 - 5.7. Map View..... 38
 - 5.7.1. Map Layers..... 41
 - 5.7.2. Map Tools..... 46
 - 5.7.3. Map Detail..... 51
 - 5.7.4. Geometry..... 53
 - 5.7.5. Map Symbology..... 54
 - 5.8. Paging..... 56
 - 5.9. Scenarios..... 57
- 6. ADM..... 63
 - 6.1. AIS Data Explorer..... 64
 - 6.1.1. Search Data..... 65

- 6.1.2. AIS Data Detail..... 69
- 6.1.3. Edit Data..... 72
- 6.2. AIS Data Change Proposals Management..... 81
 - 6.2.1. Workflow..... 83
 - 6.2.2. Create AIS Data Change Proposal..... 85
 - 6.2.3. View AIS Data Change Proposal..... 98
 - 6.2.4. Edit AIS Data Change Proposal..... 100
- 6.3. AIS Data Set Series..... 103
- 6.4. AIS Digital Data Sets..... 104
- 6.5. Data Set Extraction Rule Management..... 105
 - 6.5.1. Create..... 107
 - 6.5.2. Edit..... 124
 - 6.5.3. Copy..... 125
 - 6.5.4. Delete..... 126
- 6.6. AIS Report Template Management..... 127
 - 6.6.1. Create..... 128
- 6.7. AIS Data Subscription Management..... 134
 - 6.7.1. Subscription Now..... 136
 - 6.7.2. Subscription Once..... 139
 - 6.7.3. Subscription Periodic..... 142
 - 6.7.4. Subscription On Update..... 144
- 6.8. AIS Data Generation History..... 146
- 6.9. Digital NOTAM Management..... 148
 - 6.9.1. Search Digital NOTAM..... 150
 - 6.9.2. Display Digital NOTAM..... 153
 - 6.9.3. Create Digital NOTAM..... 160
- 6.10. AIS Product Management..... 171
- 6.11. Data Issue Management..... 173
- 6.12. What-If AIS Data Management..... 181
- 7. Admin Tools..... 183
 - 7.1. AIMSL..... 184
 - 7.2. AIS Data Uploads..... 186
 - 7.2.1. AIS Data Uploads Detail..... 188
 - 7.3. Released Data Validation..... 190

- 7.3.1. On-demand Verification..... 191
- 7.3.2. Schedule Verification..... 195
- 7.3.3. Verification Reports..... 198
- 7.4. AIS Data Business Rules Management..... 200
 - 7.4.1. Business Rule Detail..... 204
- 7.5. Business Rules Profiles Management..... 210
 - 7.5.1. Business Rules..... 214
 - 7.5.2. Links to Objects..... 217
 - 7.5.3. History..... 218
- 7.6. FAA Data Transformations..... 219
 - 7.6.1. View..... 222
- 7.7. EAD Synchronization..... 224
- 7.8. UOM..... 226
 - 7.8.1. User Management..... 227
 - 7.8.2. Organization Management..... 230
- 8. Legal Recording..... 231
 - 8.1. Investigation..... 232
 - 8.2. Detail View..... 236
 - 8.3. Statistics View..... 238
- 9. IFS - Internet File System..... 239

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1. Version

 **Application version: 1.8.2**
Last Update: 11/07/2024

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EAD User Guide		

2. Foreword on eEAD-W1 package

This **eEAD-W1** package (*Online Help* and *User Guide*) is aimed at **eEAD Early Adopters**, for the Wave 1 delivery.

Some screenshots and function definitions may not be totally accurate, as the content writing was initiated ahead of the software delivery.

This package should however be usable to you - please feel free to notify us **//CONTACT EMAIL?** if you spot anything requiring attention or correction.

Many thanks in anticipation,


//SIGNATURE ?

3. Technical Prerequisites

Operating System

For all its client applications, NM recommends the following operating system (OS):

Microsoft Windows	Microsoft Windows 10 64-bit Microsoft Windows 11 64-bit
macOS	macOS 12, macOS 13, macOS 14

 **Microsoft Windows 10 32-bit** is no longer supported
Microsoft Windows 10 end of support: 14 October 2025


For these recommended OSs, NM undertakes to investigate and attempt to resolve problems – for any other OS (including Microsoft Windows 7) or OS version, issues will be analysed and attempted to resolve on a best effort basis.

Browser

The following browsers are supported:


Chrome	117, 118, 119, 120, 121, 122, 123, 124
Edge	117, 118, 119, 120, 121, 122, 123, 124
Opera	102, 103, 104, 105, 106, 107, 108, 109, 110, 111
Safari	16, 17

For these recommended browser brands, NM undertakes to investigate and attempt to resolve problems that can be reproduced on the latest stable version of that brand – for any other browser brand or version, issues will be analyzed and attempted to resolve on a best effort basis.

 **Internet Explorer** is no longer supported.


Screen Resolution


The Application will be best used on displays with a minimum screen resolution of 1920x1080 pixels - higher resolutions allowing more space.

 **Note:** The application being web-based, it provides all the services and features brought forth by the Browser, such as screen refresh, printing, managing views in windows and/or tabs, etc.

4. Login

Step-by-step instructions to access the DPLT for Wave 0 Early Users

 The login process described below is the current one as of September 3rd. It can potentially be modified - the changes will be published here when available.

 You will need a personal email account to receive the activation email, and a mobile device capable of installing MFA application such as **Okta Verify**, **Google Authenticator** or **Microsoft Authenticator**.

- [A - First time access - Okta Account activation](#) - To be used **once**, on the first time you want to access the system, as you will need to activate the Okta account that was created for you
- **B - Regular access - Login to the portal** - To be used for all subsequent connection:
 - [From functional desktop in the OPS Room](#)
 - [Non-OPS an External connections](#)

First time access - Okta Account activation

1. Open the "Welcome to Okta!" email
2. Click on the **Activate Okta Account** button:

From: Okta <noreply@okta.com>
Sent: Thursday, July 25, 2024 5:08 PM
To:
Subject: Welcome to Okta!




ciam-ie-nm-devtest-ectl - Welcome to Okta!

Your organization is using Okta to manage your web applications. This means you can conveniently access all the applications you normally use, through a single, secure home page. Watch this short video to learn more:
<https://www.okta.com/intro-to-okta/>

Your system administrator has created an Okta user account for you.
Click the following link to activate your Okta account:



Your username is **hiras.hussain.ext@eurocontrol.int**
Your organization's sign-in page is <https://ciam-ie-nm-devtest-ectl.okta.com>

-  The activation link is valid for only 7 days from the date users have received an activation email. If Activation link has expired, please send an email to anastasiia.khomenok@eurocontrol.int & hiras.hussain.ext@eurocontrol.int
3. Set up your **password** (your *username* is already set to your email account by the system) then click on the **Next** button:

Set up password

Password requirements:

- At least 8 characters
- A lowercase letter
- An uppercase letter
- A number
- No parts of your username
- Password can't be the same as your last 4 passwords

Enter password

Re-enter password

Next

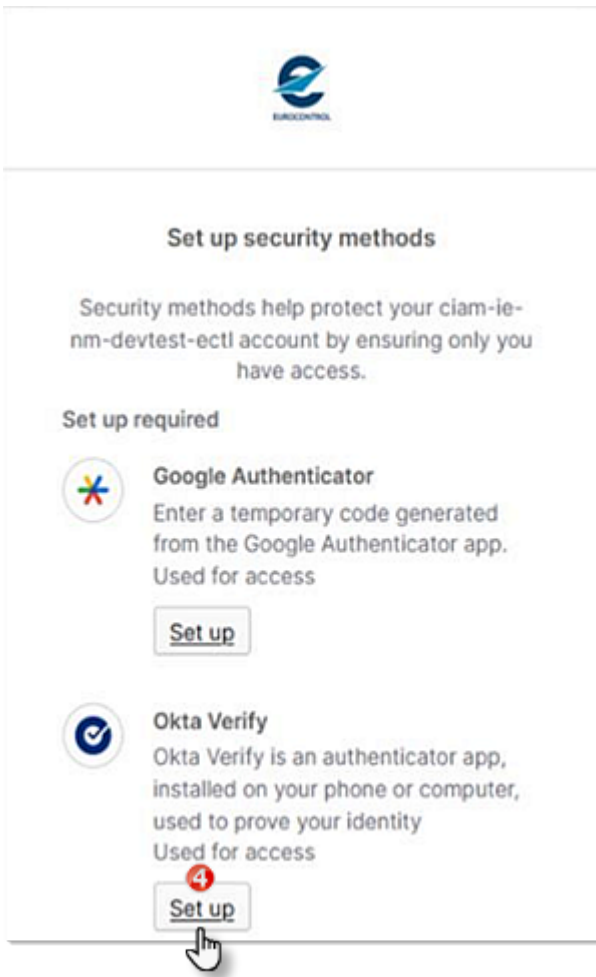
[Return to authenticator list](#)

[Back to sign in](#)

4. **Set up Security:** Choose an MFA Method (note **Microsoft Authenticator** can be used when you select Google Authenticator).

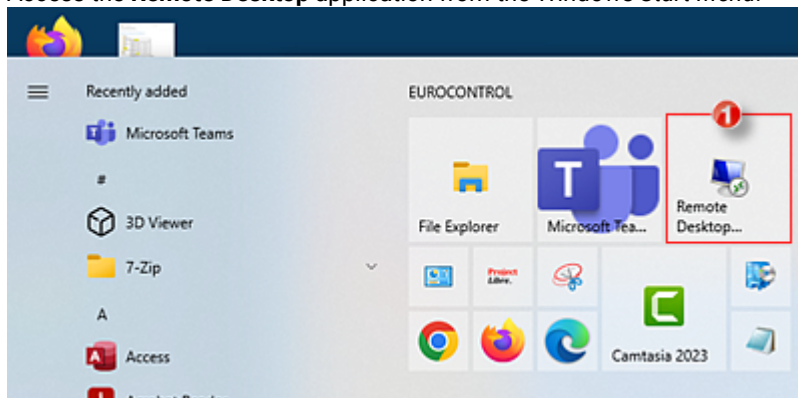
If Using Okta Verify:

- o Install and Open Okta Verify App:
 - Open the Okta Verify app on your mobile device.
- o Add Account:
 - Click on the "+" button located at the top-right corner of the app screen.
- o Select Account Type:
 - Choose "Other" account type.
- o Scan QR Code:
 - Skip the step for adding an account from a different device.
 - Click "Yes, ready to scan."
 - Scan the QR code displayed in your web browser.



Connect from the OPS Room

1. Access the **Remote Desktop** application from the Windows *Start Menu*:

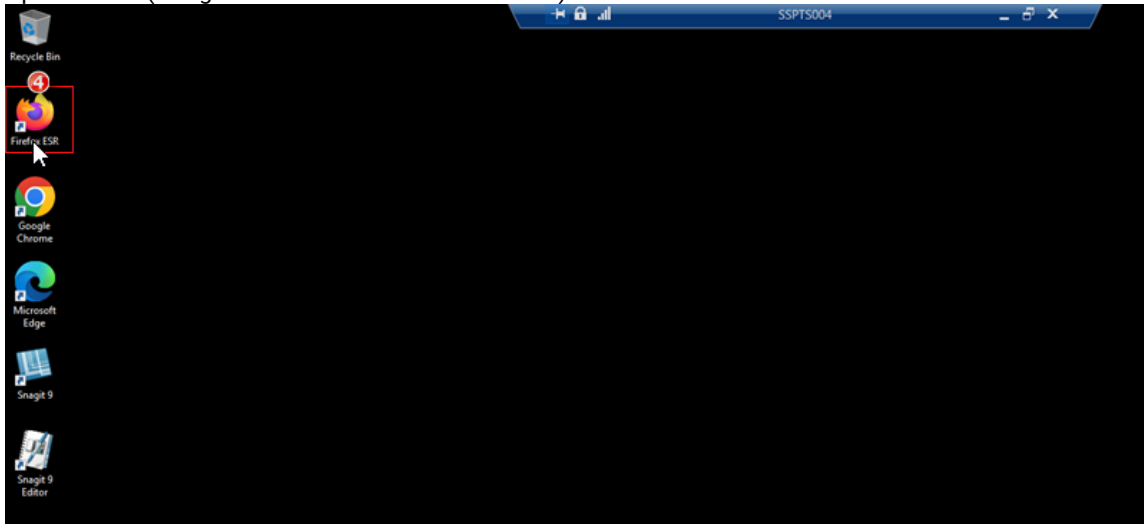


2. Type the computer name: **SSPTS004**

3. Enter the username in the format SKY\[Username] and [Password]

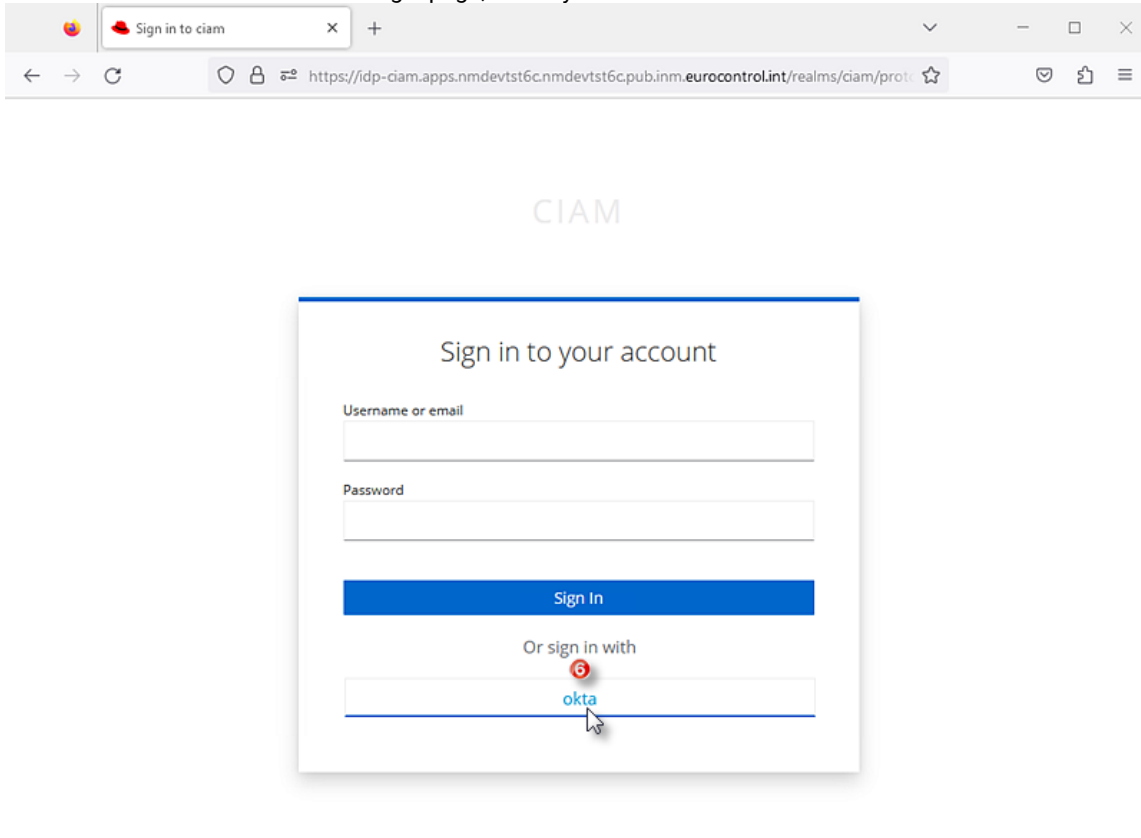


4. Open Firefox (using other browsers will return errors)

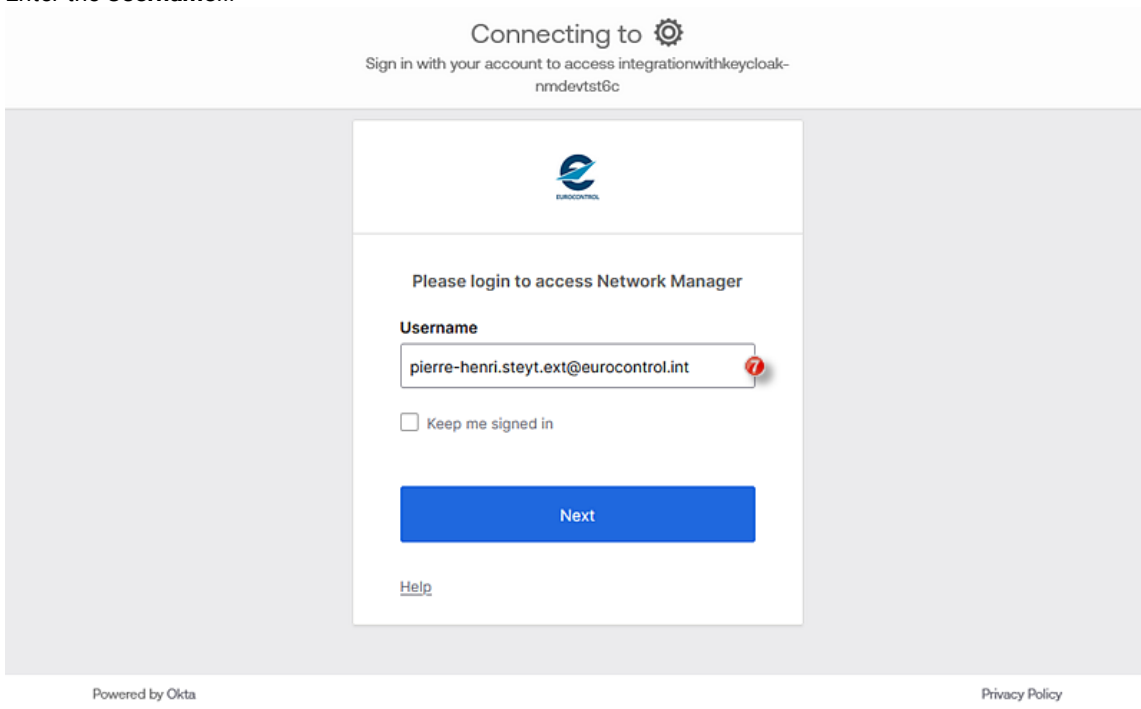


5. Use the following link: <https://pnmpuat-nrp-gateway.nmdevst6c.nmdevst6c.pub.inm.eurocontrol.int/>

6. You will be redirected to the CIAM login page, where you will now click on the **okta** link:



7. Enter the **Username...**



8. ... Type in your password ...

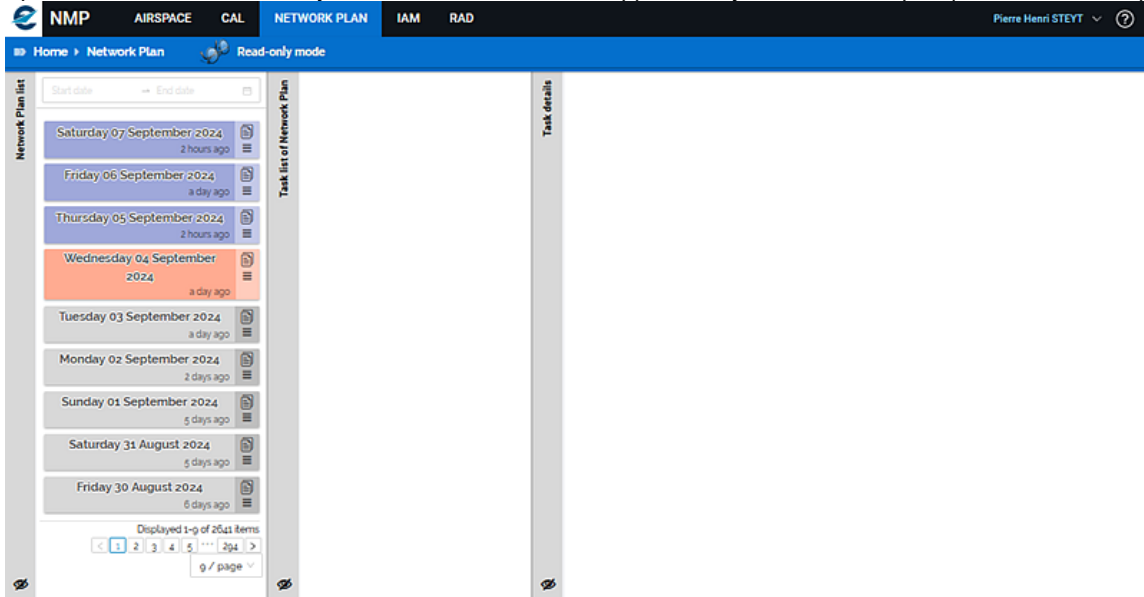
9. ... Then click on the **Verify** button:

The screenshot shows a web interface for connecting to a service. At the top, it says "Connecting to" with a gear icon and "Sign in with your account to access integrationwithkeycloak-nmdevst6c". Below this is the EUROCONTROL logo and a circular icon with a padlock and "****". The main heading is "Verify with your password" followed by the email address "pierre-henri.steyt.ext@eurocontrol.int". There is a "Password" field with a masked password "*****" and an eye icon with a red notification bubble containing the number 8. Below the password field is a blue "Verify" button with a red notification bubble containing the number 9. At the bottom of the form are two links: "Verify with something else" and "Back to sign in". The footer of the page includes "Powered by Okta" on the left and "Privacy Policy" on the right.

10. The authentication process will be launched as set during the [Okta activation](#) earlier described (a "push" notification via Okta in this example):

The screenshot shows the next step in the authentication process. It has the same header as the previous screenshot: "Connecting to" with a gear icon and "Sign in with your account to access integrationwithkeycloak-nmdevst6c". Below this is the EUROCONTROL logo and a circular icon with a checkmark. The main heading is "Get a push notification" followed by the email address "pierre-henri.steyt.ext@eurocontrol.int". There is a blue button labeled "Push notification sent" with a red notification bubble containing the number 10. Below the button is a checked checkbox labeled "Send push automatically". At the bottom of the form are two links: "Verify with something else" and "Back to sign in". The footer of the page includes "Powered by Okta" on the left and "Privacy Policy" on the right.

11. Upon successful verification, you will then be directed to application you wanted to open (**DNP** in this example):



Non-OPS and External connections

The [Remote Desktop Connection](#) phase described above is not necessary - you can go directly to the portal home page using this link: [//linkToProvide](#)

5. Common Features

The **Common Features** chapter groups functions and features used across the various ADM applications - such as in this example:

1. Name of the Application - and Navigation back to homepage

2. Action button(s) - will vary depending on the application

3. Query section: Used to filter the list of Results

4. Results section : Used to display the results in the form of a table

5. Sort columns: [see here](#)

6. Table related Actions

7. Date picker: [see here](#)

8. Row related Actions

9. Pagination: [see here](#)

5.1. Natural Descriptor

The **Natural Descriptor** is a unique identification of the feature type in plain text form, easier to read and use than the *Identifier* structured like **000d240a-f896-4ccb-bb18-fe55fa91c639**, and not very user-friendly.

It is constructed from two existing simple properties, *Designator* and *Name*:

The screenshot shows the EAD user interface for an Airport/Heliport feature. The feature is identified as 'Airport/Heliport: CSB4 CHIBOUGAMAU'. The Natural Descriptor field is populated with 'CSB4 CHIBOUGAMAU'. The Designator field is 'CSB4' and the Name field is 'CHIBOUGAMAU'. Red boxes and arrows highlight the components of the Natural Descriptor.

- **Designator:** //DEF
- **Name:** //DEF

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5.2. Temporality


This chapter explores the concept of [data branches](#) and [time slices](#)

5.2.1. Data Branches

Data Branch provides protected and isolated space for storage of AIS data changes ([Time Slices](#)) encoded in AIXM format. Data Branches are owned/controlled by various processes/subsystems for different purposes.

[AIS Data Changes](#) can flow into the Data Branch through the S2S interface, they can be uploaded from a file by a user or entered manually via HMI.

The last option of AIS Data changes is fully controlled and processed through the [AIS Data Explorer](#) using the concept of the Event changes managed by AIS Data Change Proposal management.

 Therefore **the prerequisite for the AIS Data encoding through the AIS Data Explorer is the existence of AIS Data Change Proposal** management and associated **Event**.

From the Event itself, the AIS Data Explorer application is opened in the context of an "[edit mode](#)".

States

A data branch can be in a specific state. This state determines which operations can be performed on the branch.

- **Open:** Data branch is created and empty or contains some Feature time slice changes. *If it isn't empty, then it is a candidate for release.*
- **Inconsistent:** Time slices in data branch are in an inconsistent state. It is a result of Rebase operation. *Such a branch cannot be released.*
- **Released:** Data branch has been released and its data were made operational. *No further operations can be performed on the branch except view.*
- **Deleted:** *No further operations can be performed on the branch.*

Open Data Branch state and operations in AIS Data Explorer

One of the Data Branch operations is a commit of data changes to the Data Branch which could be done out of AIS Data Explorer. One commit can contain a mixture of multiple BASELINE and TEMPDELTA time slices of multiple features.

Various Feature Time Slice operations could be performed during commit to Data Branch out of AIS Data Explorer. The operations that add changes to Data Branch can be done as permanent changes that will result in the creation of BASELINE Time Slices, or as temporary changes resulting in TEMPDELTA Time Slices.

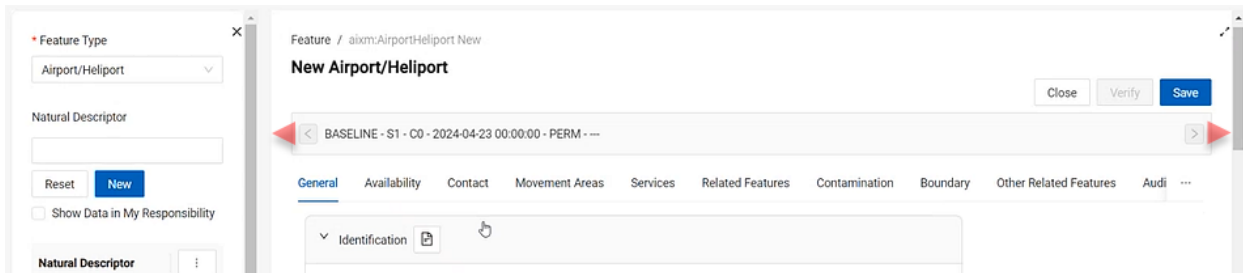
- **Permanent** AIS Data Changes
- [Temporary](#) AIS Data Changes

5.2.2. Time Slice

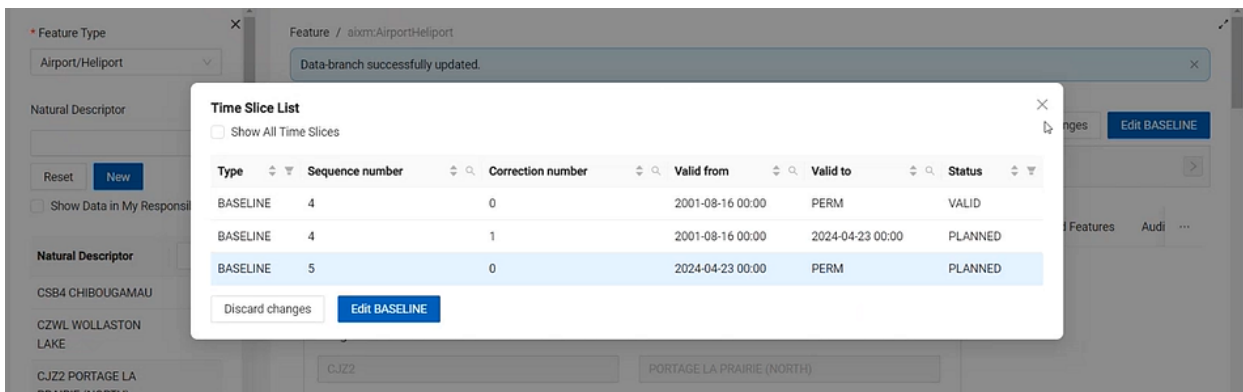
Time slices are basically time-stamped versions of the AIS database - nothing is ever deleted, newer versions simply replace older ones... that you can revert to if need be.

Time Slice Selector

- Click to open the [Time Slice List](#)
- Use the left and right arrows to cycle through the slices:



Time Slice List



- **Type:**
 - **BASELINE:** Used for permanent changes (Valid from a specific time to PERM). The BASELINE includes values of all time-varying Feature properties defined for the time of validity to the Time Slice.
 - **TEMPDELTA:** Results from temporary changes. The TEMPDELTA Time Slice includes just values of properties that are temporarily changed. When TEMPDELTA ends, BASELINE data remains only applicable information.
 - **PERMDELTA:** Describes the difference in a feature state as a result of a permanent change. It occurs at the edge between two consecutive BASELINE Time Slices and contains values strictly for the changed properties.
- **Sequence number:** Unique identifier of a Time Slice in the context of the AIXM Feature to which it belongs.
- **Correction number:** Indicates the order in which the corrections have been applied. If several Time Slices have the same interpretation and sequenceNumber, the Feature Time Slice with the highest correctionNumber value is considered the only valid one.
- **Valid from / Valid to:** Express the validity period
- **Status:**
 - **VALID:**
 - The Time Slice was committed and is valid.
 - Status definition: Time Slice with the highest correction number for the last sequence number.
 - **PLANNED:**
 - The Time Slice is neither committed nor canceled.
 - Status definition: in case the branch is filled in, and the branch was not released yet.
 - **CANCELLED:**
 - The Time Slice has been canceled (withdrawn).
 - Status definition: valid period = NIL.

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- **CORRECTED:**
 - A previous version of a Time Slice has been corrected (no more valid).
 - Status definition: all versions of Time Slices except the Time Slice with the highest correction number for the last sequence number.

Time Slice list order

By default, all valid and planned Time Slices from the Effective Date on to the future will be displayed. The user can add canceled, corrected, and also valid Time Slices from the past to view by using the check box "Show All Time Slices".

Time Slices will be ordered based on the following criteria in the table:

- Based on the Effective Date (effective from) in ascending order -> from the current Time Slice matching the Effective Date/range selected to the future Time Slices
 - In case the "Show All Time Slice" checkbox is selected → from the oldest Time Slices to the future Time Slices.
- Canceled Time Slices, as they do not have an Effective From/Valid To date (is null), will be displayed at the beginning of the list.
- If there is a BASELINE and TEMPDELTA Time Slice with the same Effective Date BASELINE Time Slice will be displayed first, followed by a TEMPDELTA Time Slice.
- In case of more Time Slices with the same effective date, Time Slices will be ordered based on the sequence number in ascending order.
- If more Time Slices have the same Effective Date and sequence number, Time Slices will be ordered based on the correction number in ascending order.

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5.2.2.1. TEMPDELTA

The following operations can be performed with TEMPDELTA time slices:

- [Creation](#) of a new TEMPDELTA
- Immediate [cancellation](#) of active TEMPDELTA
- Immediate [cancellation](#) of inactive TEMPDELTA
- [Update of validity](#) - shortening/extending of active TEMPDELTA

Creation

- This can be done only in the context of the *unguided_temporary* Event when DCP is created first: while in Edit mode, click on the **Create new Tempdelta** button.
- A new TEMPDELTA can also be created as a result of a DNOTAM Event
 - from the DCP itself
 - from the Digital NOTAM Management application, where the DCP is created automatically in the background, resulting from the creation of a new DNOTAM Event


Immediate Termination + Validity Update

- Trigger will be handled via Editor view mode, exactly in the same way as currently handled in DNOTAM.
- On detail and list of existing and released *unguided_temp* Events the buttons "Terminate Immediately" and "Update of Validity" will be available.
- In the background, a new DCP will be automatically created and the same Event (or all Event from the hierarchy) will be assigned to DCP but with changed validity.
- In case there are more Feature changes under temporary Events, all Feature changes will be affected by the change triggered on the associated Event.
- The actions will be available in Editor view mode for the users with ADM_ADE_EXPLORER_VIEWER and ADM_ADE_EXPLORER_EDITOR system roles, enabled/disabled based on Data Provider reference



When the cancellation or the event validity update is triggered out of AIS Data Explorer (use of the UNGUIDED_TEMP scenario), a new DCP is automatically created by system.

5.3. Use Dates

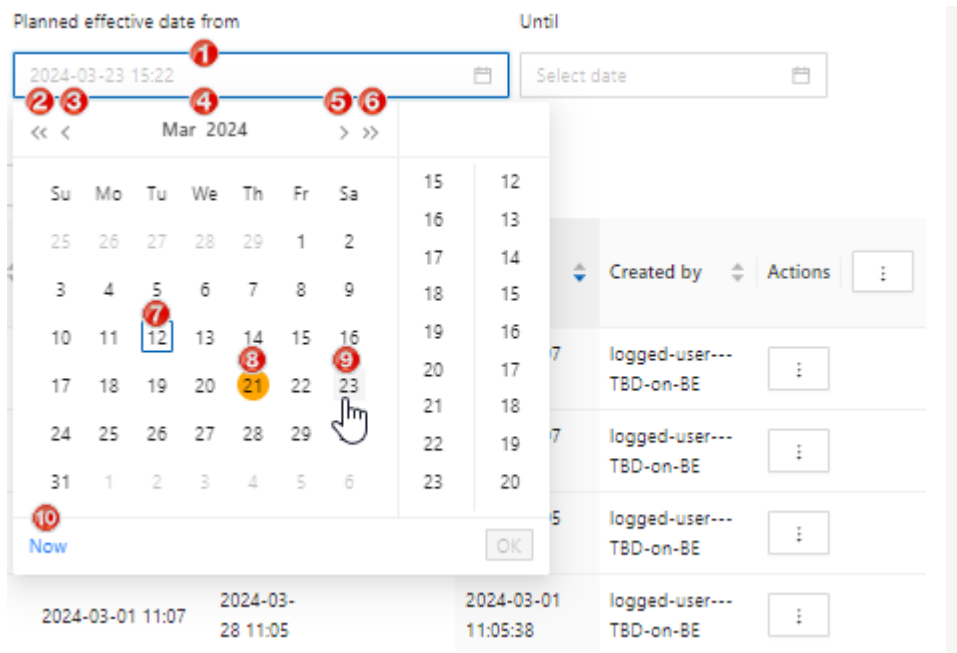
 **Dates** and **Date Ranges** are important in the sense that they have an impact on the query of features selection: only events and features which are available or valid for the selected time span will be listed. Besides, you will have to use a *Date Range* everywhere you want to retrieve the history of a given data record.

//DEF

- [Date Range](#)
- [Date Picker](#)

5.3.2. Date Picker

The **Date Picker** is an elaborate agenda that allows to enter dates and times to your queries:



1. Current selection of **Date / Time**
2. Incremental **Year** navigation (to the past)
3. Incremental **Month** navigation (to the past)
4. Currently selected Month
5. Incremental **Month** navigation (to the future)
6. Incremental **Year** navigation (to the future)
7. Date of **Today**
8. **AIRAC** date
9. **Target** date (click to select)
10. Click to populate the field with the actual Date / (UTC) Time values

Once you have selected a target date, you can set the target *HH:MM* time:

Planned effective date from Until

<< < Mar 2024 > >> 2024-03-23 15:38

Su	Mo	Tu	We	Th	Fr	Sa	15	38
							16	39
25	26	27	28	29	1	2	17	40
3	4	5	6	7	8	9	18	41
10	11	12	13	14	15	16	19	42
17	18	19	20	21	22	23	20	43
24	25	26	27	28	29	30	22	45
31	1	2	3	4	5	6	23	46

Created by Actions

logged-user--- TBD-on-BE

logged-user--- TBD-on-BE

logged-user--- TBD-on-BE

logged-user--- TBD-on-BE

2024-03-01 11:07 2024-03-28 11:05 2024-03-01 11:05:38

Now OK

i The actual time is set by default (15:30 in the above example).

Lastly, you will need to click on the **OK** button to set the selected values:

Planned effective date from Until

<< < Mar 2024 > >> 2024-03-23 20:38

Su	Mo	Tu	We	Th	Fr	Sa	20	38
							21	39
25	26	27	28	29	1	2	22	40
3	4	5	6	7	8	9	23	41
10	11	12	13	14	15	16		42
17	18	19	20	21	22	23		43
24	25	26	27	28	29	30		44
31	1	2	3	4	5	6		45
								46

Created by Actions

logged-user--- TBD-on-BE

logged-user--- TBD-on-BE

logged-user--- TBD-on-BE

logged-user--- TBD-on-BE

2024-03-01 11:07 2024-03-28 11:05 2024-03-01 11:05:38

Now OK

Create

Click inside a date field...


Planned effective date from Until



... Then specify the desired values as exposed above.

Edit

Process identical to the one described in the **Create** paragraph above - the difference being that you will click in a non-empty date field.

Clear

Click on the  icon to clear the corresponding date field:

Planned effective date from   Until

5.3.3. Effective Date

By default, the **Effective Date** is set to the current date in UTC, with the possibility to change it.

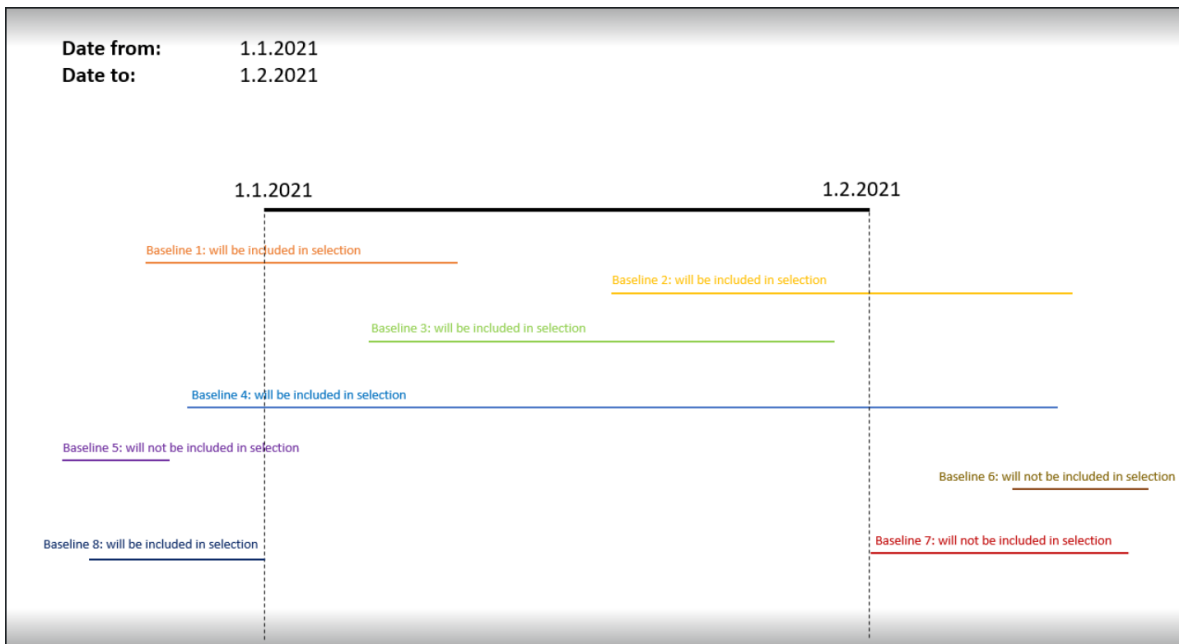
When you set the **Date range** switch on, the *Date Picker* component is replaced by a *Range Date Picker* component. Likewise, when the switch is switched back to “off state”, the *Date range* will be replaced with the default *Date Picker*.

Effective Date / Effective Date from and **Effective Date to** are mandatory fields that must be specified before searching for a particular *Feature*.

When you enter the Effective date after selecting a Feature type from the Feature TreeSelect, the Feature list displays all records whose effective date is less or equal to this value and are valid (valid means the feature has a valid Time Slice).

When you specify a date range, all records whose baselines/temporary Time Slices intersect the range will be displayed. “Date from” will be included in the search, and “Effective date to” will be excluded for particular valid features.

Example

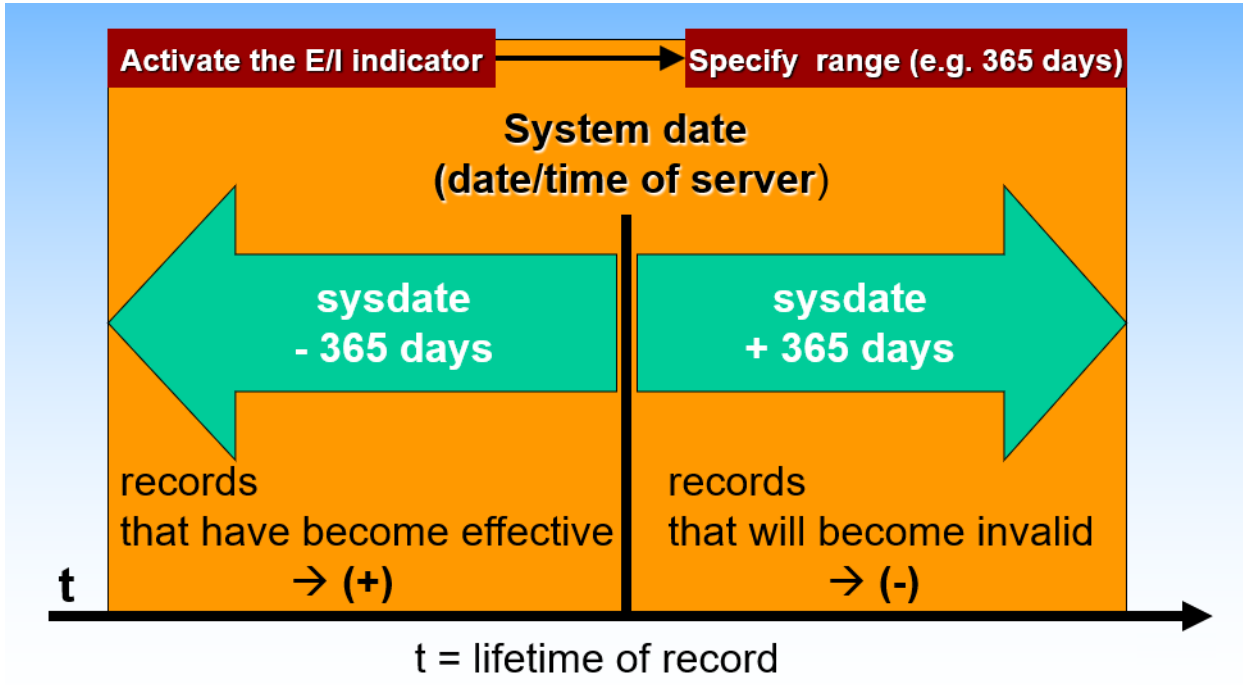


i In **Edit** mode, by default, the effective date/date range is overtaken from the Event (PERM/TEMP) and can be changed.

5.3.4. Effective / Invalid Indicator

Some query forms allow you to activate the **Effective / Invalid** indicator, to have effective/invalid records indicated on the report.

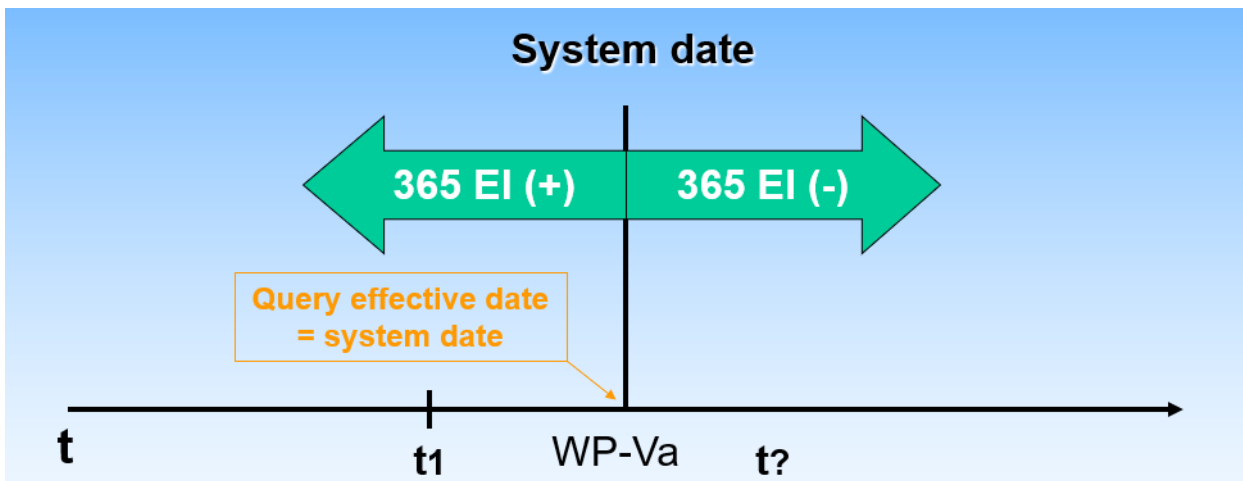
Specify a range (between 1 and 366 days) for the indication:



Result

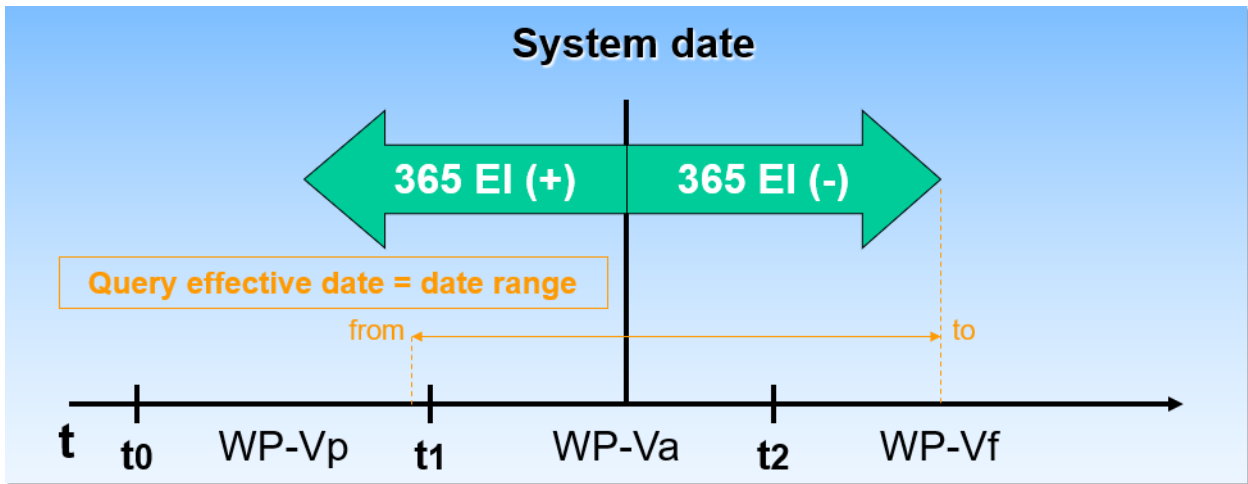
WP-Va which became effective at t1

- (+) indication because t1 is within 365 days
- (-) indication because there will be a modification within the next 365 days (t?)



Result

- WP-Vp which became effective at t0 [without indication]
- WP-Va which became effective at t1 [with (+) and (-) indication]
- WP-Vf which will become effective at t2 [without indication]



5.4. Use Tables

Tables play an essential role in presenting and enabling interactions with eEAD data.

Object ID	Status	Subject	Description	Planned effective date from	Until	Originator	Creation date	Created by	Actions
DCP-2024-34	APPROVED	Test airspace border adjustment	tomorrow	2024-04-19 00:00					
DCP-2024-33	APPROVED	New TSA Creation of Belgium	500703N 0041011E - 501208N 0044021E - 494927N 0044914E - 494604N 0043047E - 494920N 0041830E - 495835N 0040853E - 500703N 0041011E UNL / 4500 FT Aerobatic area	2024-04-19 09:28	2024-04-30 09:27	Skeyes			
DCP-2024-32	APPROVED	Closure of EBBR because of apron congestion	airport closed briefly, information received by phone	2024-04-18 08:50	2024-04-18 10:45	EBBR Airport			
DCP-2024-31	APPROVED	test	test	2024-04-18 00:00			2024-04-17 19:11:21	logged-user--TBD-on-BE	

This chapter brings together the various associated features and functions.

5.4.1. Manage Columns in Tables

Click on the  **Menu** icon ...

Type	Designator	Name	Identifier
SECTOR_C	EPWWCETJR	EPWWCETJR	0002fccc-d7d3-4f28-8997-740841aa2dde
CTA	EPCTA01	CTA01	00094e21-1c22-4405-ba64-61c7ad61f90f
TMA_P	ESMSF	MALMO TMA F	002cff72-6607-4e5a-9fcf-bc6a646ae713



Columns >

 .CSV

... Open the **Columns** section ...

Type	Designator	Name	Identifier
SECTOR_C	EPWWCETJR	EPWWCETJR	0002fccc-d7d3-4f28-8997-740841aa2dde
CTA	EPCTA01	CTA01	00094e21-1c22-4405-ba64-61c7ad61f90f
TMA_P	ESMSF	MALMO TMA F	002cff72-6607-4e5a-9fcf-bc6a646ae713



Columns >

 Type

 Designator

 Name

 Identifier

 .CSV

... and **Check / Uncheck** the label of the columns you want to have respectively *displayed or hidden* in the table:

Type	Identifier
SECTOR_C	0002fccc-d7d3-4f28-8997-740841aa2dde
CTA	00094e21-1c22-4405-ba64-61c7ad61f90f
TMA_P	002cff72-6607-4e5a-9fcf-bc6a646ae713



Columns >

 Type

 Designator

 Name

 Identifier

 .CSV

5.4.2. Sort Columns in Tables

Object ID	Status	Subject	Description	Planned effective date from	Until	Originator	Creation date	Created by	Actions
DCP-2024-106	RELEASED	NOTAMN AD.LIM	Creation of new Digital NOTAM AD.LIM CZWL WOLLASTON LAKE	2024-03-07 18:30	2024-03-14 15:30		2024-03-07 15:30:24	logged-user-...	TBD-on-BE

Click to cycle ascending - descending - off

(Sub)sorting rules / limitations ?

TBD

5.4.3. Action Menus in Tables



Various actions and functions are featured from the data tables:

- Actions at [Table Header](#) level
- Actions at [Table Row](#) level

Table Header level


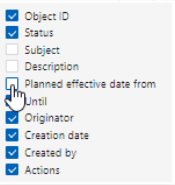

A  menu is featured in the **Actions** Column header, listing two commands:

- Columns
- .CSV

Object ID	Status	Subject	Description	Planned effective date from	Until	Originator	Creation date	Created by	Actions
DCP-2024-106	RELEASED	NOTAMN AD.LIM	Creation of new Digital NOTAM AD.LIM CZWL WOLLASTON LAKE	2024-03-07 18:30	2024-03-14 15:30		2024-03-07 15:30:24	logged-user---TBD-on-BE	 <ul style="list-style-type: none"> Columns > .CSV
DCP-2024-105	APPROVED	MarkerBeacon BR deactivation test	test	2024-03-08 00:00		ABU	2024-03-07 15:24:37	logged-user---TBD-on-BE	



Show / Hide columns

The **Columns** command calls a selection menu - use the check boxes to select the columns you want to be displayed:

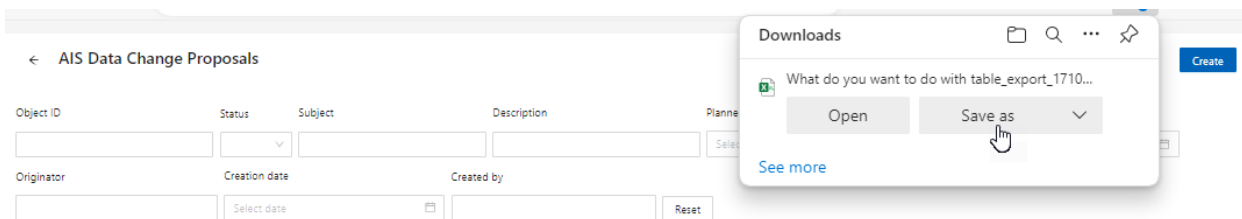
Object ID	Status	Until	Originator	Creation date	Created by	Actions
DCP-2024-106	RELEASED	2024-03-14 15:30		2024-03-07 15:30:24	logged-user---TBD-on-BE	 <ul style="list-style-type: none"> Columns > .CSV
DCP-2024-105	APPROVED		ABU	2024-03-07 15:24:37	logged-user---TBD-on-BE	 <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Object ID <input checked="" type="checkbox"/> Status <input type="checkbox"/> Subject <input type="checkbox"/> Description <input type="checkbox"/> Planned effective date from <input type="checkbox"/> Until <input checked="" type="checkbox"/> Originator <input checked="" type="checkbox"/> Creation date <input checked="" type="checkbox"/> Created by <input checked="" type="checkbox"/> Actions
DCP-2024-104	APPROVED		mmm	2024-03-05 14:07:55	logged-user---TBD-on-BE	
DCP-2024-103	APPROVED	2024-03-28 11:05		2024-03-01 11:05:38	logged-user---TBD-on-BE	
DCP-2024-102	APPROVED	2024-03-01 13:01		2024-02-27 13:05:20	logged-user---TBD-on-BE	
DCP-2024-101	RELEASED		MIL	2024-02-27 12:40:04	logged-user---TBD-on-BE	

.CSV

Use the **.CSV** command ...


Object ID	Status	Subject	Description	Planned effective date from	Until	Originator	Creation date	Created by	Actions
DCP-2024-106	RELEASED	NOTAMN AD.LIM	Creation of new Digital NOTAM AD.LIM CZWL WOLLASTON LAKE	2024-03-07 18:30	2024-03-14 15:30		2024-03-07 15:30:24	logged-user---TBD-on-BE	 <ul style="list-style-type: none"> Columns > .CSV
DCP-2024-105	APPROVED	MarkerBeacon BR deactivation test	test	2024-03-08 00:00		ABU	2024-03-07 15:24:37	logged-user---TBD-on-BE	

... to open or download the active table in CSV format:



The screenshot shows the 'AIS Data Change Proposals' table with a file download dialog box open over the '.CSV' action in the 'Actions' column. The dialog asks 'What do you want to do with table_export_1710...' and offers 'Open' and 'Save as' options. A 'See more' link is also visible.

Table Row level

Object ID	Status	Subject	Description	Planned effective date from	Until	Originator	Creation date	Created by	Actions
DCP-2024-106	RELEASED	NOTAMN AD.LIM	Creation of new Digital NOTAM AD.LIM CZWL WOLLASTON LAKE	2024-03-07 18:30	2024-03-14 15:30		2024-03-07 15:30:24	logged-user--- TBD-on-BE	 View Edit
DCP-2024-105	APPROVED	Marker/Beacon BR deactivation test	test	2024-03-08 00:00		ABU	2024-03-07 15:24:37	logged-user--- TBD-on-BE	

- **View:** //DEF
- **Edit:** //DEF

5.5. Use Wildcards

Create New Extraction Rule

Extraction Rule Name: Test Name | Status: Active

General | Feature Types | **Feature Occurrence** | Spatial | Data Provider | Data Customization | Visibility

Feature Occurrence

Find Feature Type:

Included Feature Type: AirportHeliport

AND OR

designator: Is Like: EN

Cancel Save

Tooltip:

- % matches any sequence of zero or more string characters
- _ matches any single string character
- \ can be used to escape the pattern characters

Some examples of operator LIKE with expression:

- "AD": the same result as EQUALS "AD"
- "A%D": the results start with A and end with D, e.g. "Abcd"
- "A_D": the result is e.g. "AbD", "AcD"
- "A\%D": the result is "A%D"

Occurrence Indirect References

Filtered Add

Add Property Add Group Clear Group

Copy Remove

1 - 1 of 1 items < 1 > 10 / page

- % : Matches any sequence of zero or more string characters
- _ : Matches any single string character
- \ : Can be used to escape the pattern characters for %, _, \

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5.6. Search in Feature List



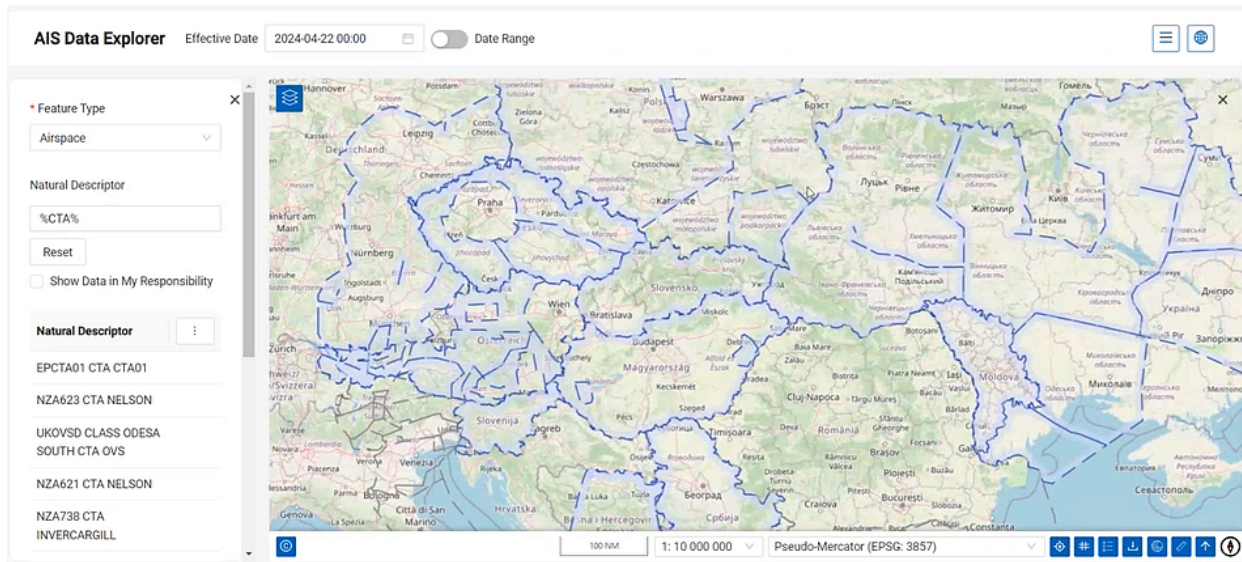
[ADE - Search in Feature list - AIS Data Maintenance - NM Confluence \(atlassian.net\)](#)

5.7. Map View

The **Map** is a powerful tool available to multiple applications, and is used to visualize the location of each instance you have listed in the **Feature selection** panel of the concerned application

You will typically start by setting the [Date](#) or [Date Range](#) to list the features valid for the specified time.

The next step will be to filter the list by selecting a given **Feature Type** ... and potentially further narrowing the query by providing a search pattern ([wildcards](#) allowed) for the [Natural Descriptor](#).

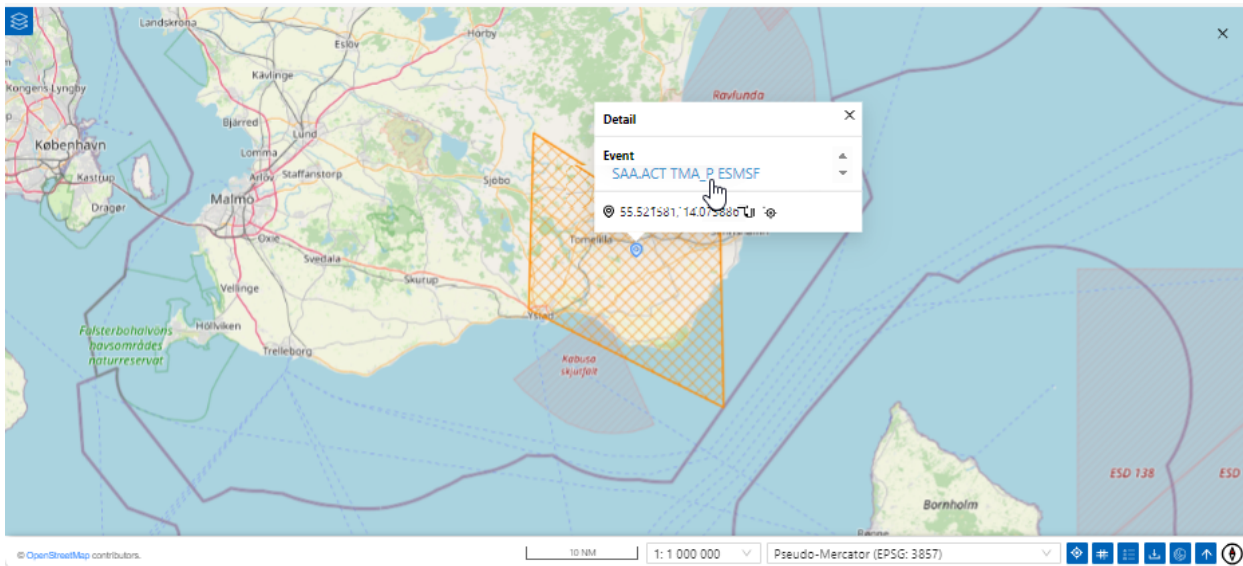


Map features and functions

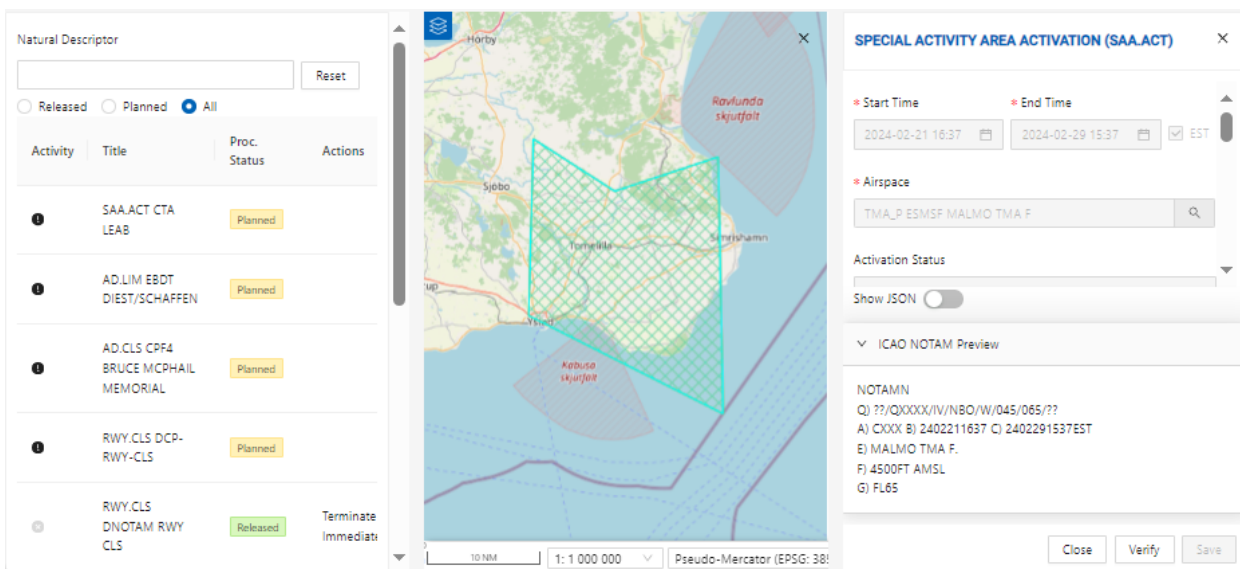
- [Display Detail](#)
- [Control Layers](#)
- [Tools](#)
- [Draw Geometries](#)

Display Feature detail

Click on a given object to get the corresponding **Detail** pop-up - then click on the provided **Feature** link ...

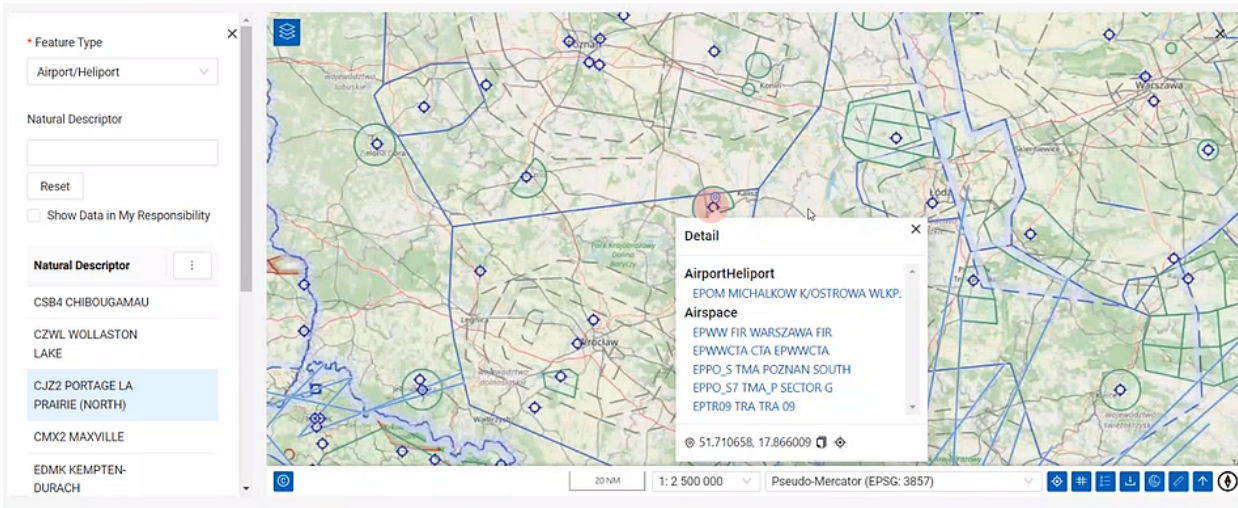


... to open the corresponding **Detail** panel:



Stacked Objects

When the zoom factor is such that objects are cluttered, or when they are overlapping, a list of the features present under the selected location pops up, from which you can select the desired object...



Layers

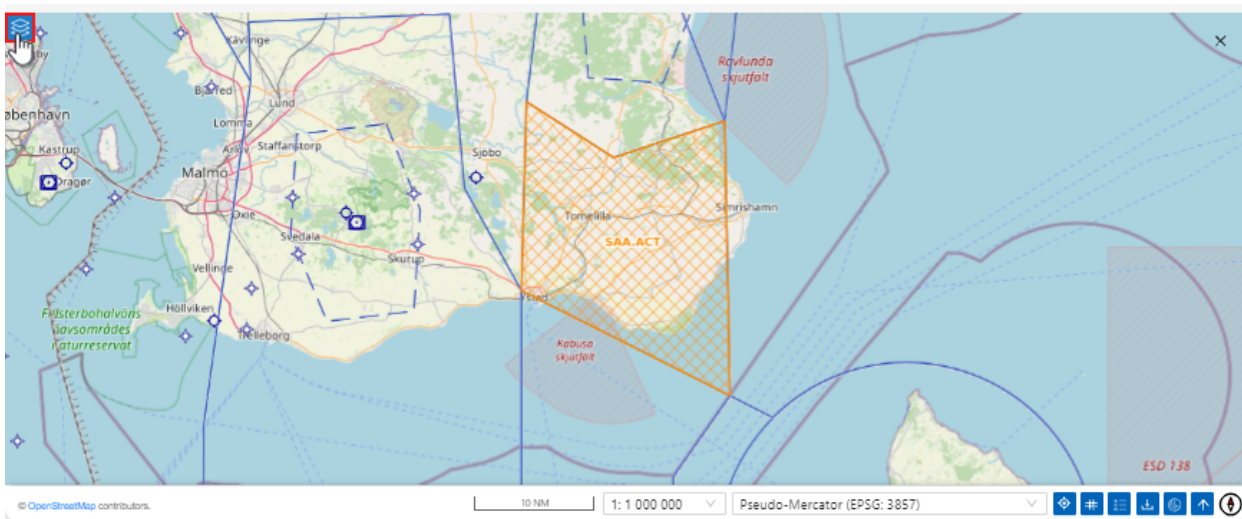
You can control what is to appear on the Map view - Please refer to the [Map Layers](#) chapter for further information.

Tools

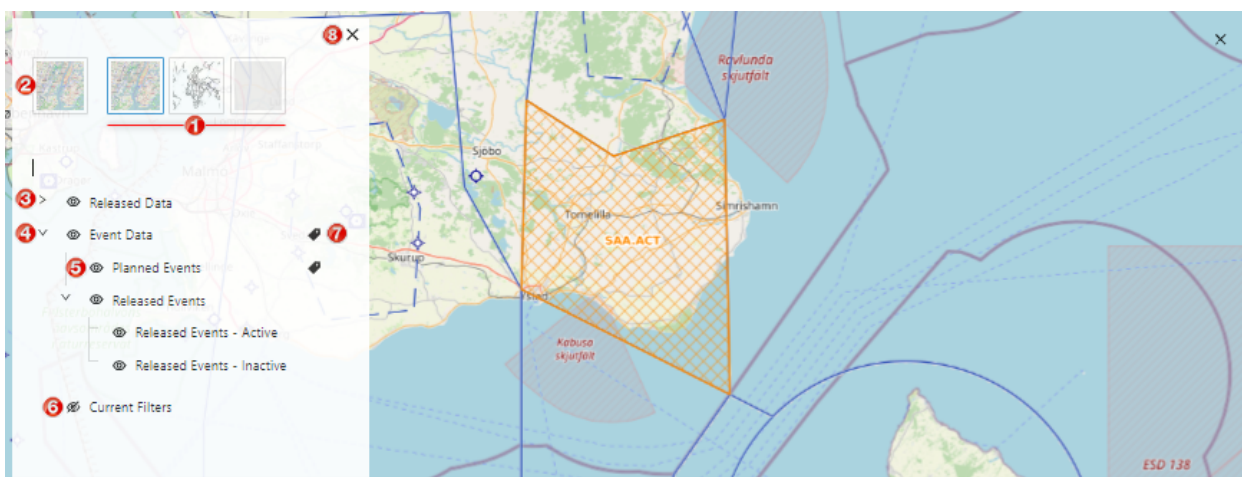
A collection of Map tools is available at the bottom of the Map view - Please refer to the [Map Tools](#) chapter for further information.

5.7.1. Map Layers





Click on the  **Map Layers** icon ...




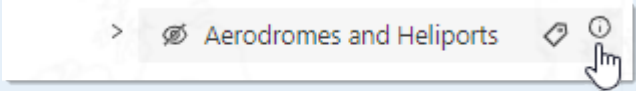
... To reveal the Map Layers component:



Structure

1. **Map background selection:** Available when you click on the currently selected background thumbnail.
 - *OpenStreetMap*: general map background
 - *Borderlines*: Only show the national borders
 - *Empty*: Removes all background elements
2. Currently **Selected background** thumbnail
3. **Collapsed folder:** Click on the icon to open and display the nested content
4. **Expanded folder:** Click on the icon to close
5.  **Visible** icon: Click to hide the corresponding items from the map
6.  **Hidden** icon: Click to plot the corresponding items on the map
7.  **Label On** icon: Indicates that the labels for the concerned layer are plotted on the map. Click on the icon to set if off.
7.  **Label Off** icon: Indicates that the labels for the concerned layer are not plotted on the map. Click on the icon to set if on.
8. **Close** icon

 Under certain circumstances (i.e. when the concerned layer is outside of current scale), an **Info** icon may be displayed:



Map Data

The component features three distinct areas:

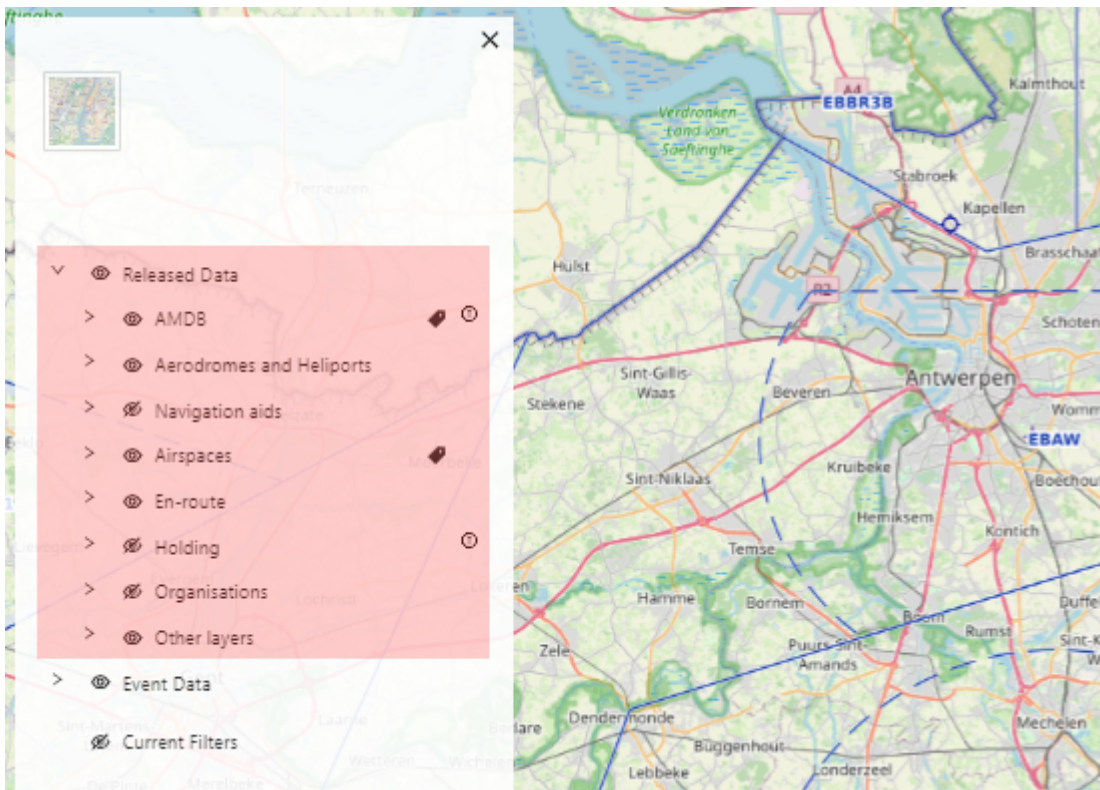
- [Released Data](#): //DEF
- [Event Data](#): //DEF
- [Current Filters](#): //DEF



You may optionally get additional layers - this is the case when you have calculated **Isogonic lines**:



Released Data

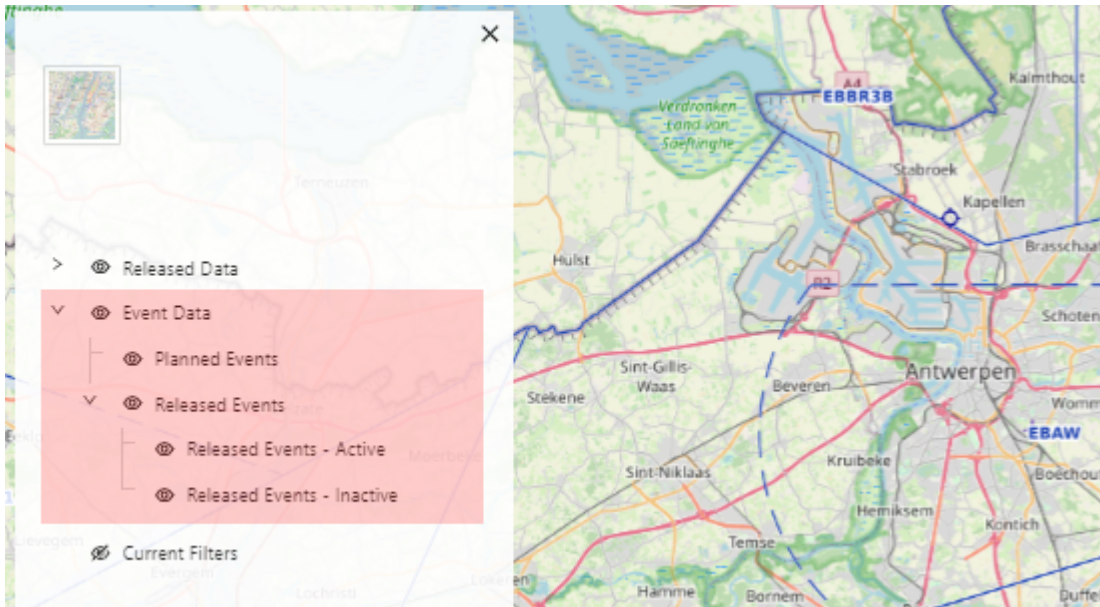


The **Released Data** folder contains the following sub folders:

- **AMDB:**
 - Guidance Line Marking
 - Guidance Line
 - Runway Centerline Point
 - Runway Direction Light System
 - Runway Marking
 - Runway
 - ... 30 more objects
- **Aerodromes and Heliports:**
 - Aerodromes and Heliports
 - Aerodrome
 - Heliport
 - ARP
 - Aerodrome boundary
- **Navigation Aids:**
 - NDB
 - VOR
 - DME
 - VOR/DME
 - VORTAC
 - TACAN
 - Marker Beacon
 - Localizer
 - SDF
 - Glidepath
 - Elevation
 - Direction Finder
 - Azimuth
 - Aeronautical Ground Light
 - Checkpoint INS

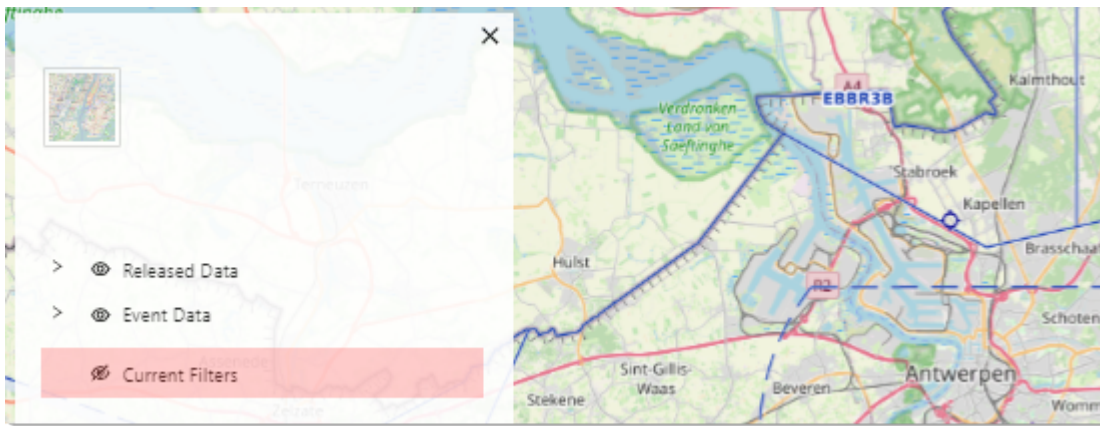
- Navaid
- **Airspaces:**
 - Flight Information Region (FIR)
 - Control area (CTA)
 - Terminal control area (TMA)
 - Control zone (CTR)
 - Control sector
 - Temporary segregated area (TSA)
 - Prohibited area
 - Restricted area
 - Danger area
 - Temporary reserved area (TRA)
 - Minimum altitude area (AMA)
 - Airport traffic zone (ATZ)
 - Other airspaces
- **En-route:**
 - Routes
 - Route Segments
- **Holding:**
 - Holding Patterns
- **Organisations:**
 - Search Rescue Service
 - Radio Communication Channel
 - Information Service
 - ATC Service
 - Units Providing Services
- **Other layers:**
 - Designated Point
 - Safe Altitude Area
 - Obstacle Area
 - GeoBorder

Event Data



- **Planned Events:** Displayed in *Yellow*
- **Released Events:**
 - Released Events - Active in *Red*
 - Released Events - Inactive in *Black*

Current Filters



//DEF

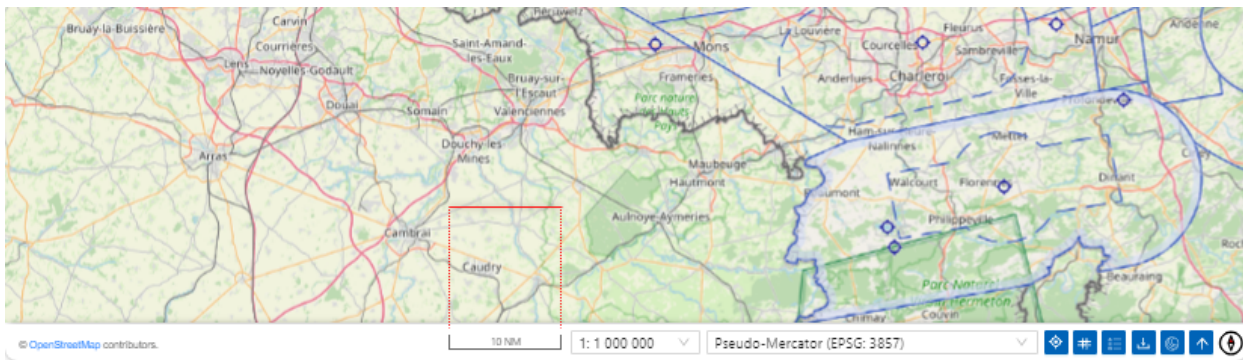
5.7.2. Map Tools

The **Map tools** are grouped at the bottom of the *Map View*:



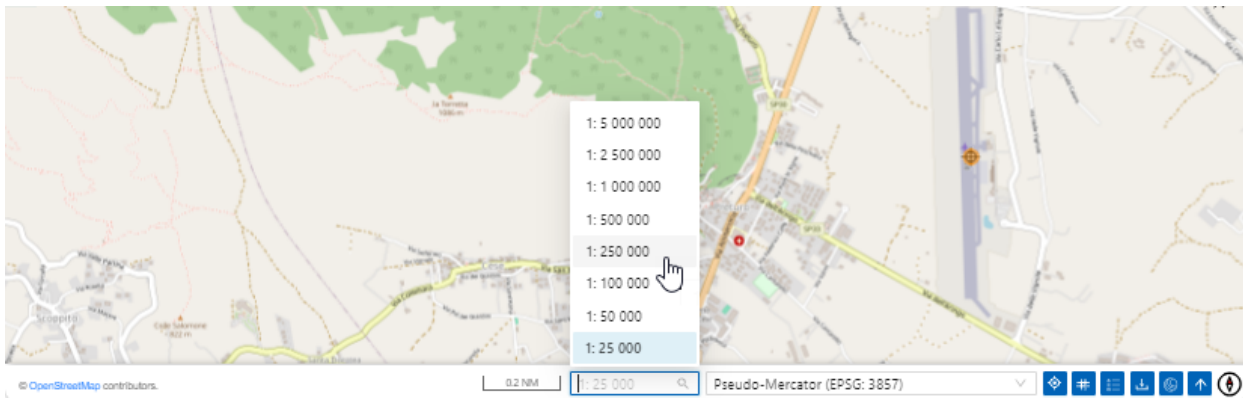
1. [Scale bar](#)
2. [Scale](#)
3. [Projection](#)
4. [Coordinates & Center map tool](#)
5. [Geographic Grid](#)
6. [Map Legend](#)
7. [Export Map](#)
8. [Isogonic lines](#)
9. [Map overview](#)
10. [Rotate map](#)

Scale bar



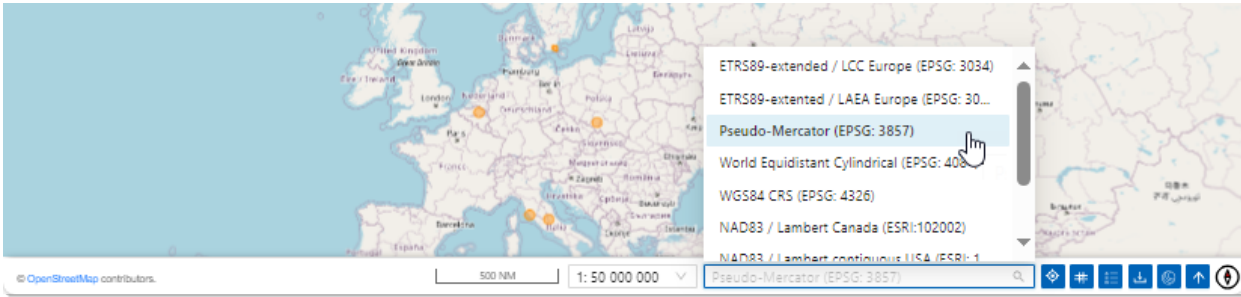
Scale

*Indication of the current **Map Scale** - and possibility to *change* if from the pull-down menu:*



Projection

*Indication of the current **Map Projection** - and possibility to *change* if from the pull-down menu:*

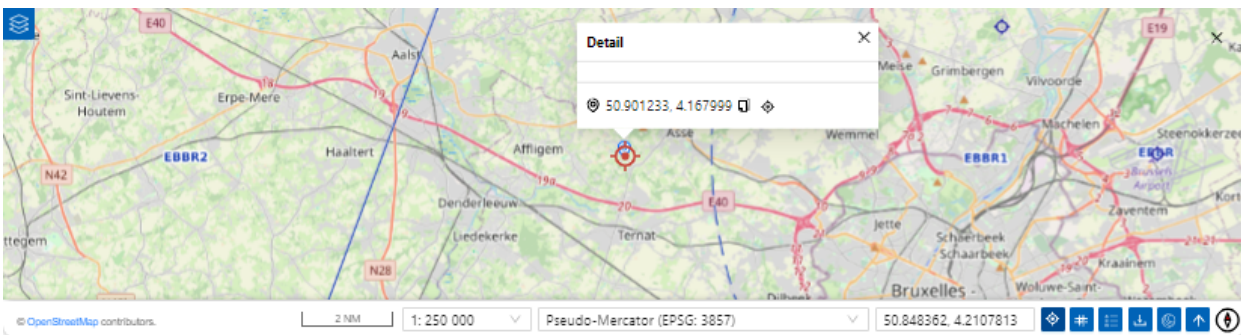


Coordinates & Center map tool



Coordinates: When active, this tool displays the coordinates of the mouse pointer.

Center Map: ///DEF



Geographic grid



Map legend

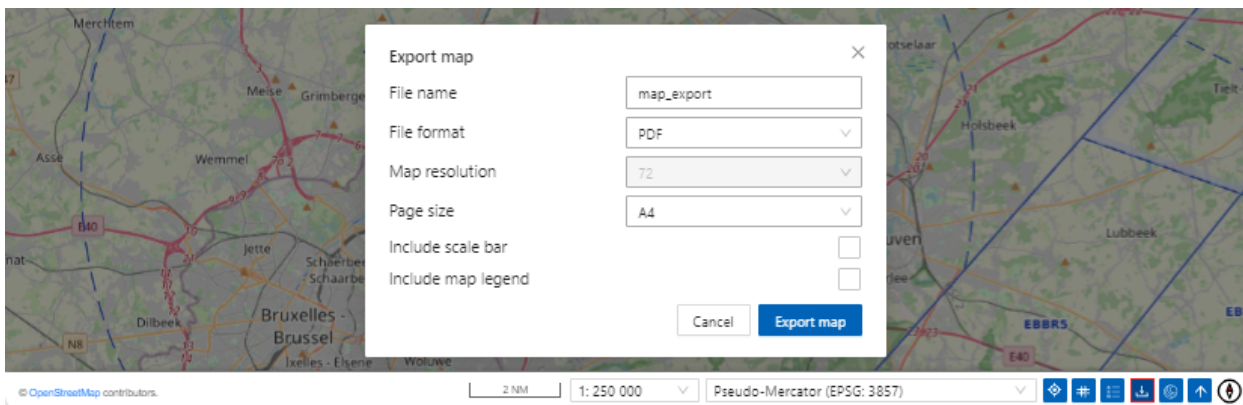


The **Legend** tool content will depend on the map usage and only list the entities relevant with the context.



Please refer to the [Map Symbology](#) chapter for detailed information.

Export map

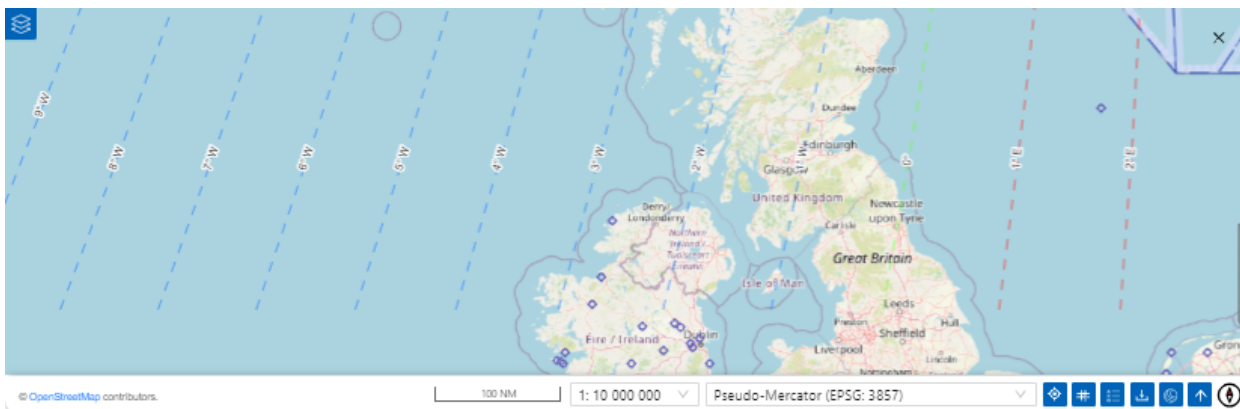
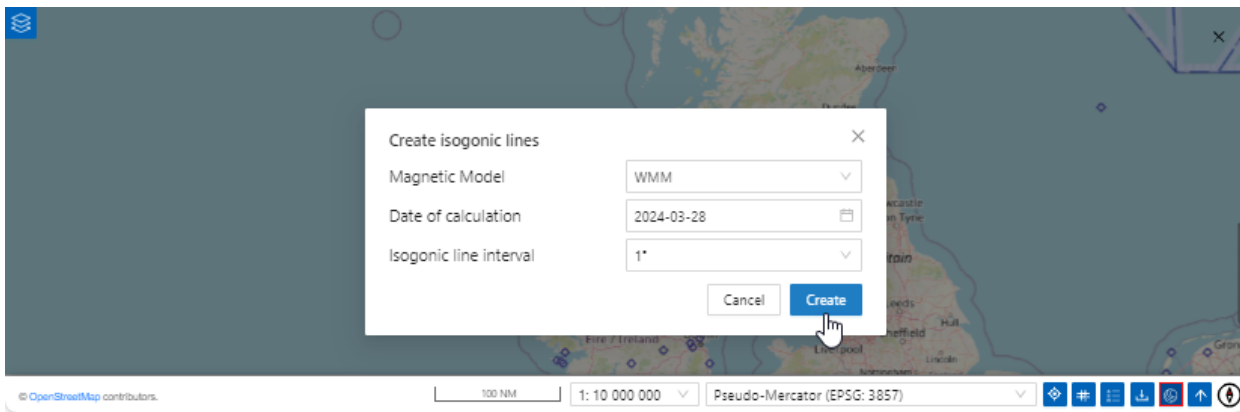


Use the dialog to specify the settings to be applied to the export (file name and format, size, etc.).

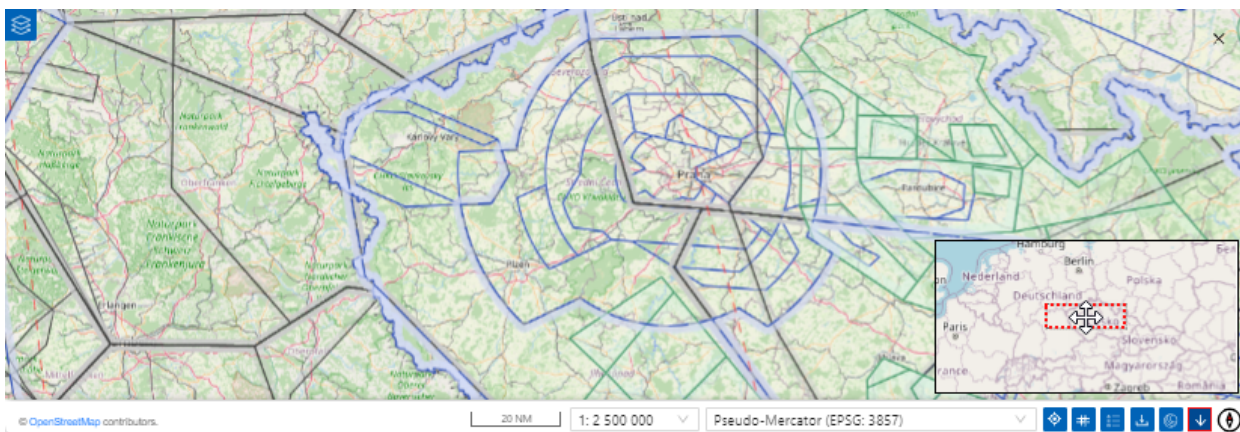


The **Export** function is not available for the rotated map view.

Isogonic lines

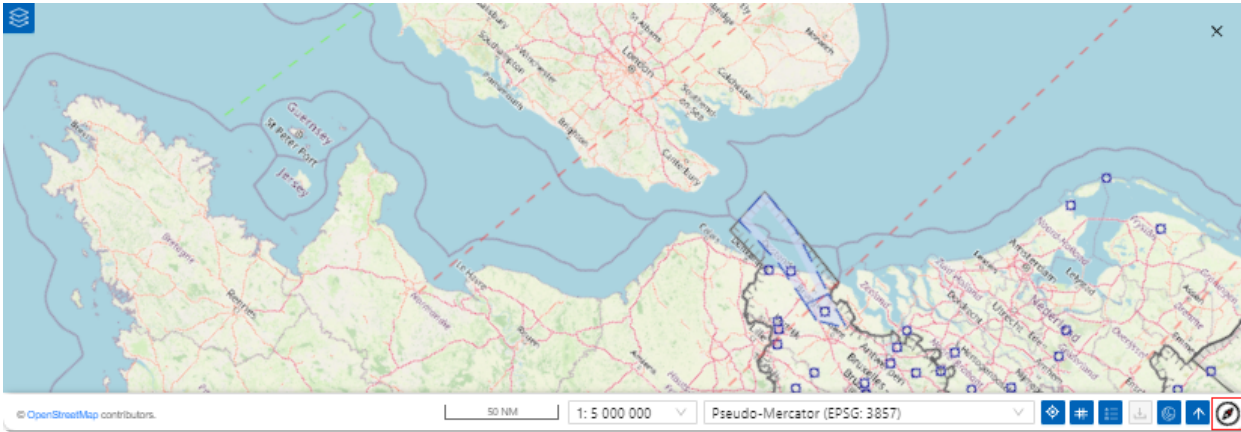


Map overview



Rotate map

Hold down **ALT + Shift**, while you click and drag the mouse to the desired orientation:

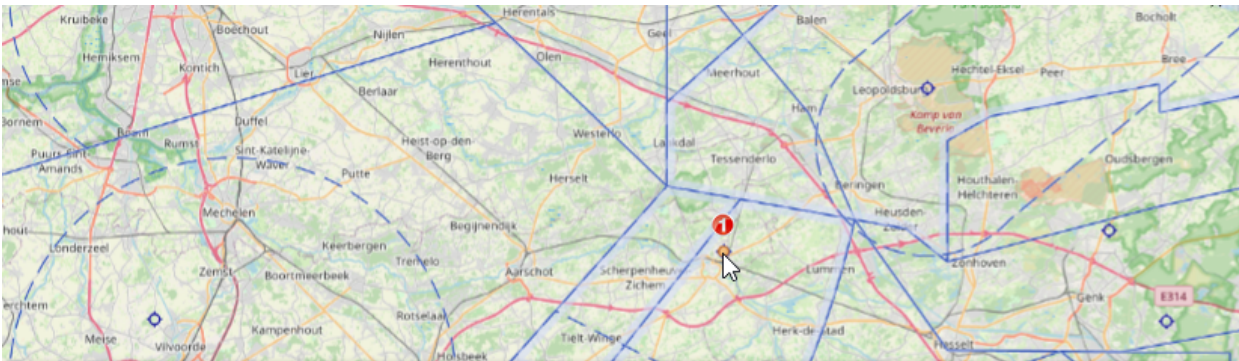


- The tilted compass icon indicates that a rotation has been applied to the map view.
- Click on the compass icon to reset the map to its default orientation

5.7.3. Map Detail

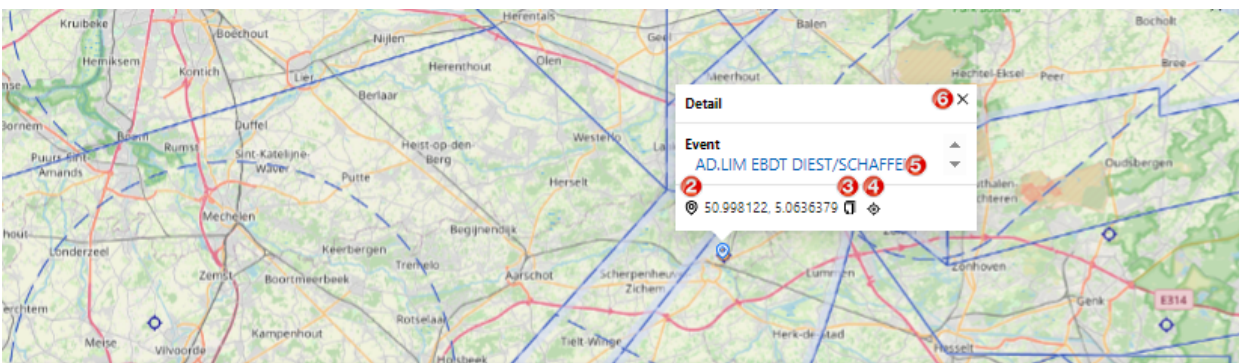
Mouse action on the Map - Detail

On the map



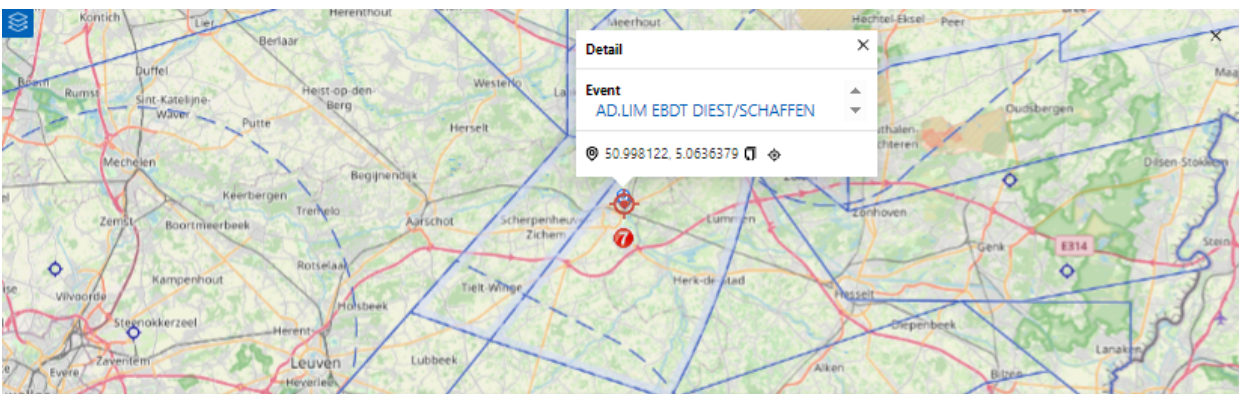
1. Click on an **Event** object

In the Detail dialog



2. **Display** of the coordinates
3. Used to **Copy** the coordinates in the clipboard
4. Used to **Center** the map to coordinates
5. **Link** to the corresponding Details view
6. Used to **Close** the dialog


Back on the map

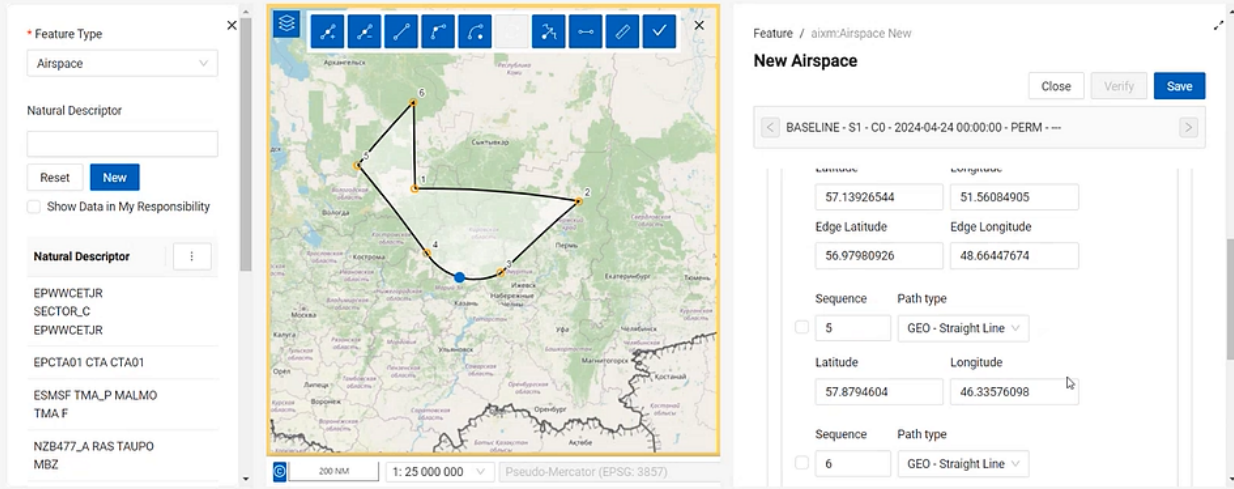


7. The map is now **Centered** on the coordinates


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5.7.4. Geometry

 Work in progress ...









The screenshot displays the EAD software interface. On the left, a 'Feature Type' dropdown is set to 'Airspace'. Below it, there are fields for 'Natural Descriptor' and a 'Show Data in My Responsibility' checkbox. A list of 'Natural Descriptor' values is shown, including EPWWCETJR, SECTOR_C, EPWWCETJR, EPCTA01 CTA CTA01, ESMSF TMA_P MALMO TMA F, NZB477_A RAS TAUP0, and MBZ. The central map shows a polygon with six vertices labeled 1 through 6. The right-hand panel, titled 'New Airspace', contains a 'Close', 'Verify', and 'Save' button bar. Below this is a breadcrumb trail: 'BASELINE - S1 - C0 - 2024-04-24 00:00:00 - PERM - ...'. The panel is divided into two sections for defining path points. The first section has input fields for 'Latitude' (57.13926544) and 'Longitude' (51.56084905), with 'Edge Latitude' (56.97980926) and 'Edge Longitude' (48.66447674) displayed below. The 'Sequence' is set to 5 and the 'Path type' is 'GEO - Straight Line'. The second section has input fields for 'Latitude' (57.8794604) and 'Longitude' (46.33576098), with 'Sequence' set to 6 and 'Path type' set to 'GEO - Straight Line'.


 **Important:** When a path is created manually, the first and last point in a polygon must have the exact same coordinates to close the path.

5.7.5. Map Symbology

AIS Data







Here is the legend associated to the **AIS Data** context:




Airport and Heliport	
Airspace_FIR	
Airspace_CTA	
Airspace_SECTOR	
Route	
Geoborder	

 Full list under development ...

Digital NOTAM

In the **Digital NOTAM** context, the activation level of a given entity is expressed graphically:

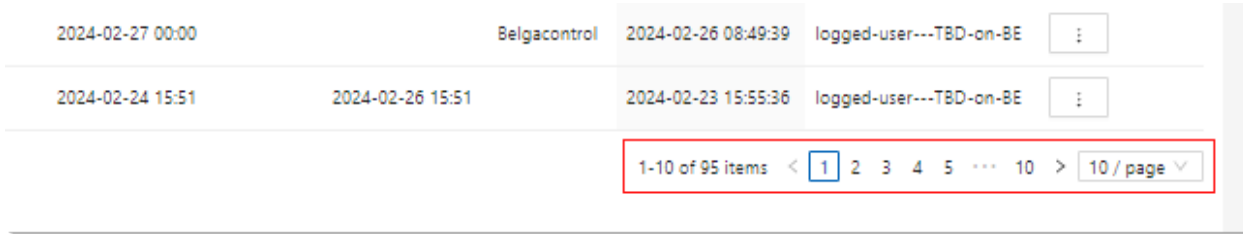
Released	<i>Active</i>	Point	
		Line	
		Polygon	
	<i>Inactive</i>	Point	
		Line	
		Polygon	

Planned	Point	
	Line	
	Polygon	

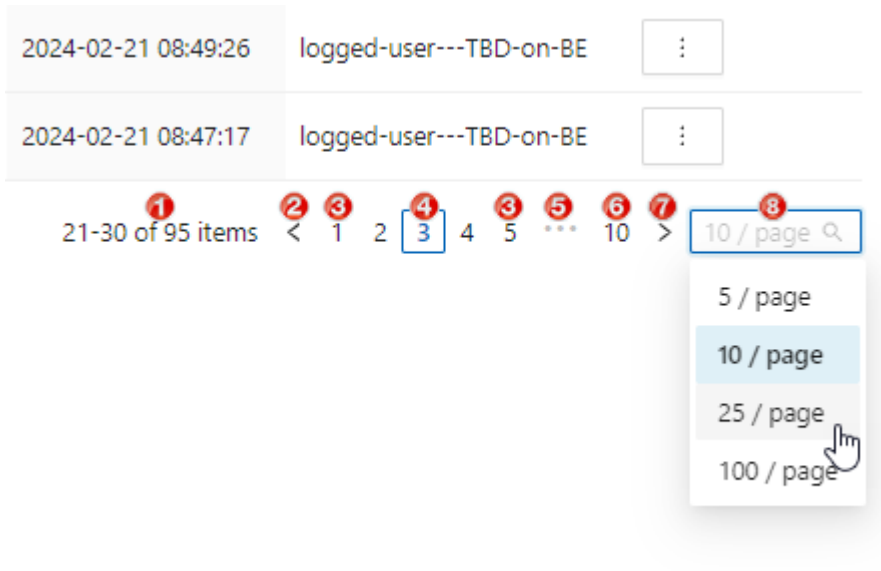
5.8. Paging

The Paging (or Pagination) is aimed at facilitating the viewing of large amounts of items. It allows you control to how the results are grouped to be displayed, and to navigate from page to page.

The bottom of lengthy tables listing resulting from queries may therefore feature this navigation mechanism:



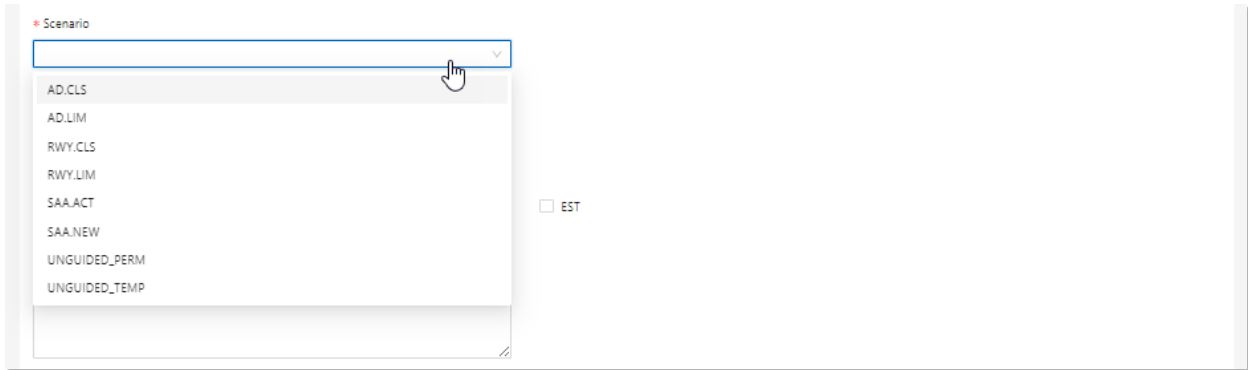
Navigation



- 1 Indication of displayed items against total
- 2 Go to the **Previous** page
- 3 Go to a given page
- 4 **Current** page
- 5 Jump forward by batches of 5 pages
- 6 Go to the **Last** page of the displayed series
- 7 Go to the **Next** page
- 8 Select the Number of items to be displayed per page

5.9. Scenarios

A **Scenario** is a preselected set of *Features* that are relevant to a given context.



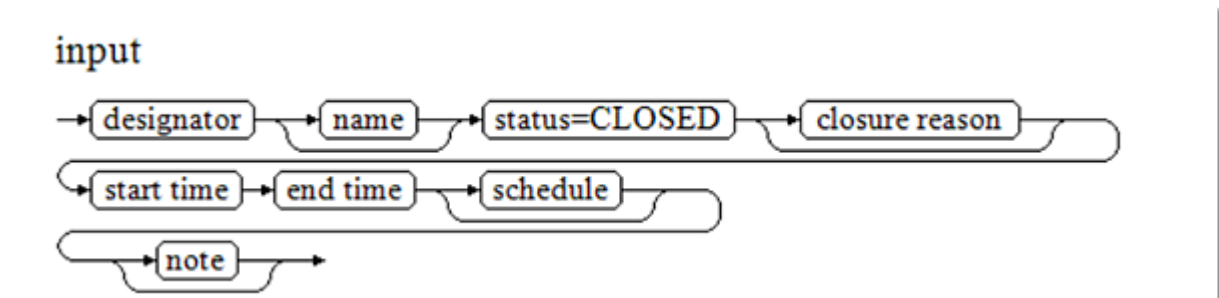
Available Scenarios

- **Digital NOTAM Scenarios:** Used to display sets of business-oriented features
 - [AD.CLS](#)
 - [AD.LIM](#)
 - [OBS.NEW](#)
 - [RWY.CLS](#)
 - [RWY.LIM](#)
 - [SAA.ACT](#)
 - [SAA.NEW](#)
 - [SFC.CON](#)
- **Unguided Scenarios:** Used to have access to all features available in the [AIS Data Explorer](#) and construct your own selection without limitations
 - UNGUIDED_PERM
 - UNGUIDED_TEMP

i As you select a scenario, the interfaces changes to present all relevant and necessary input fields to assist you in the process.

AD.CLS

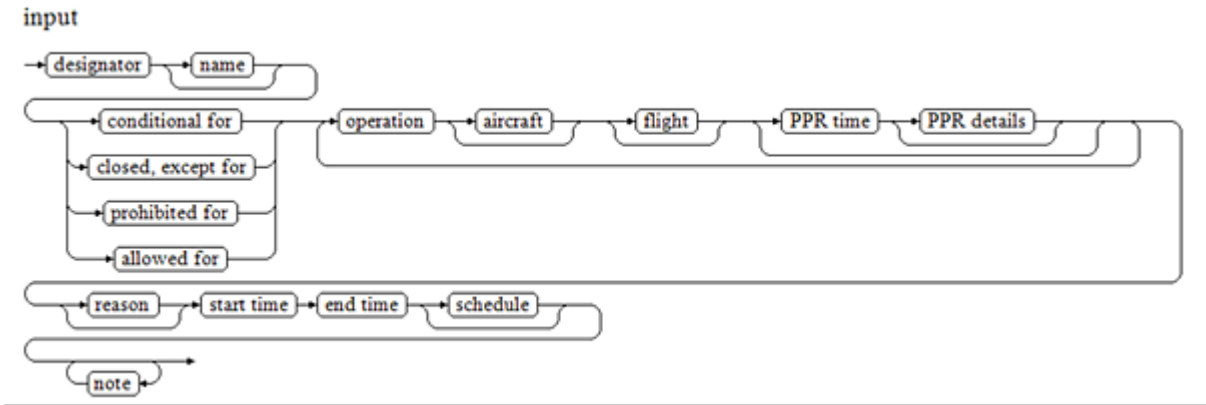
Temporary closure of an airport or heliport



! This scenario covers only complete closures. If the closure comes with exceptions, such as "prior permission required", "except home based aircraft", "except emergency", etc. then the AD.LIM scenario shall be used instead.

AD.LIM

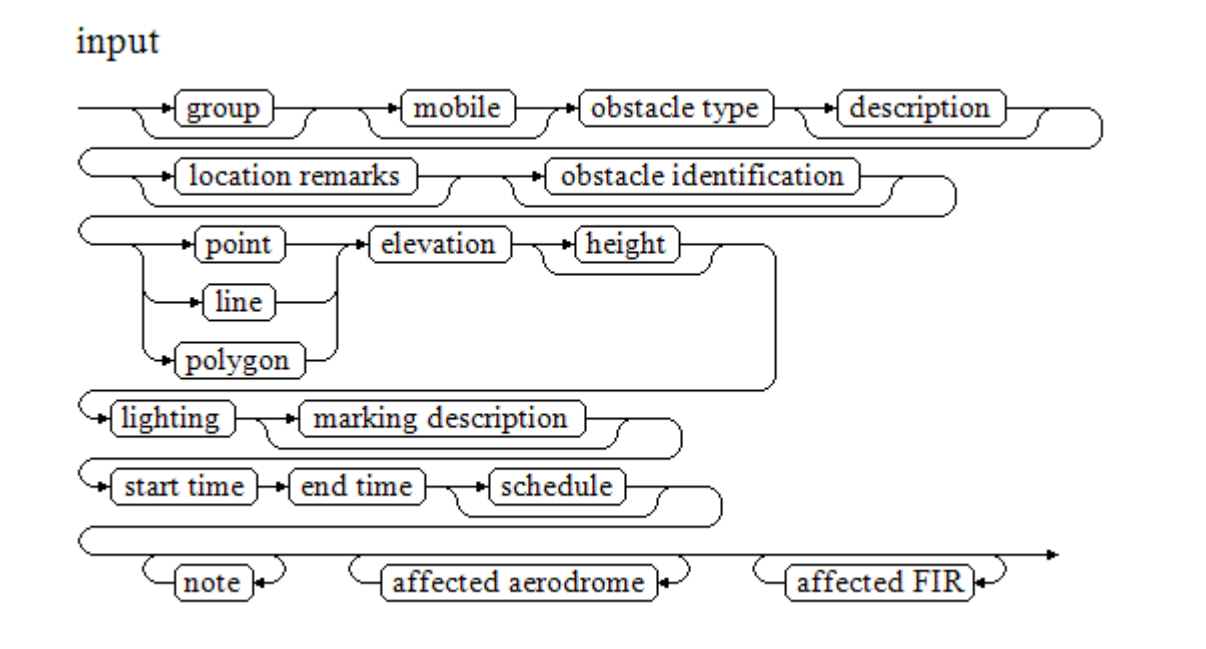
The temporary change of an airport or heliport usage limitation, covering both the more strict and more permissive cases.



- Used to notify limiting and prohibiting events other than complete closures of the aerodrome/heliport. For notification of aerodrome/heliport closures, refer to AD.CLS scenario.
- Used when the facility operates below or above its nominal parameters.

OBS.NEW

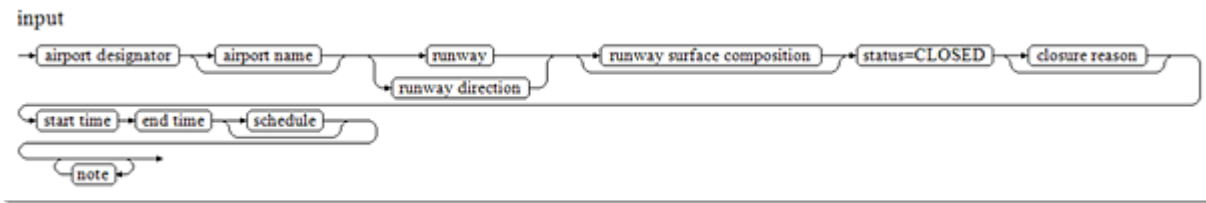
Establishment of a new temporary or permanent obstacle



- Includes the possibility to provide obstacle type point, line or polygon, but it does not support obstacles composed of multiple parts.
- Includes encoding of new mobile obstacles. However, the scenario does not cover the temporarily modification of the elevation of an obstacle, such as an arresting device that is up.
- Includes groups of obstacles with similar height located in close proximity to one another.
- Includes both aerodrome (TOD Area 2, 3 and 4) and territory of State (TOD Area 1) obstacles, although the latter is rarely occurring in NOTAM messages.
- Does not support encoding of obstacle with variable elevation; only a single elevation value can be provided.

RWY.CLS

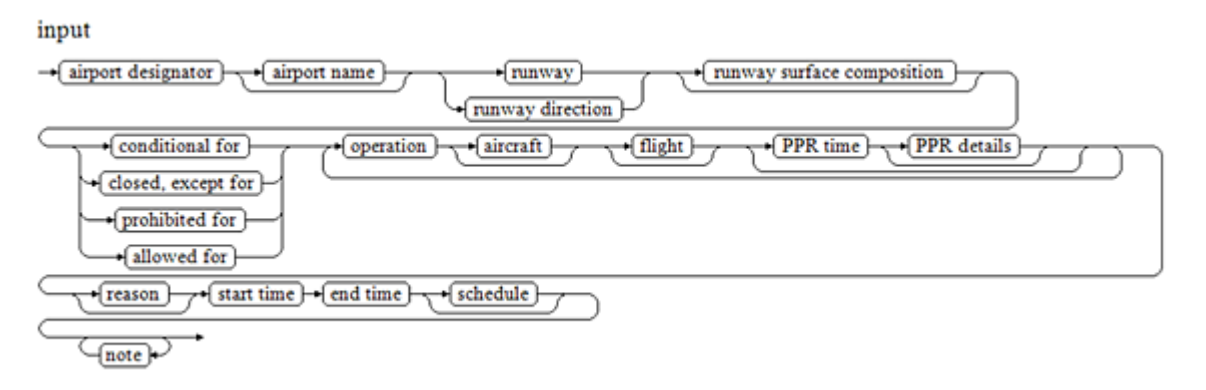
The temporary closure of a runway. This scenario relates to a "complete" closure situation. partial (with the exception of particular operations, flights or aircraft categories).



- Covers the closure of both entire runway (all landing directions) and single landing directions; For the temporary closure of a portion of a runway, refer to runway portion closure scenario RWE.CLS.
- Does not cover "partial" closures (exception of particular operations, flights or aircraft categories) or supplementary restrictions. This will be dealt in RWY.LIM scenario.
- Does not cover the temporary change of the operational hours of a runway.
- Does not cover the situation when the runway is operating normally, but subject to a reason for caution (such as "grass cutting in progress", etc.).

RWY.LIM

The temporary change of a runway usage limitation, covering both the more strict and more permissive cases.

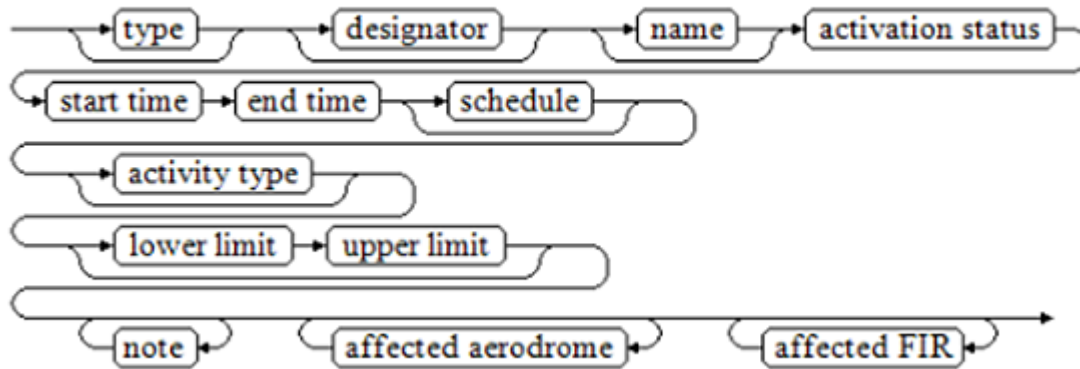


- Used to notify limiting and prohibiting events other than complete closures of the runway. For notification of aerodrome/heliport closures, refer to RWY.CLS scenario.
- Used when the facility operates below or above its nominal parameter.

SAA.ACT

The activation of a pre-existing (published) restricted, danger, prohibited, reserved or similar airspace.

input

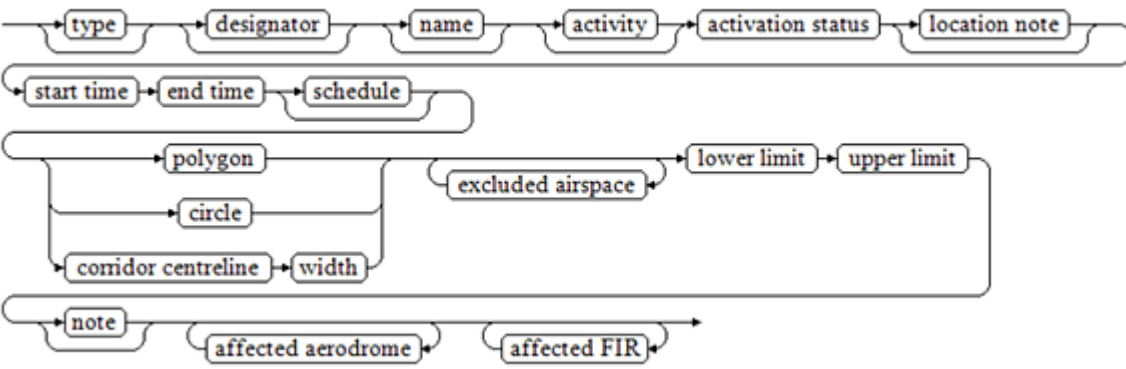


- The term "special activity area" is used in order to encompass P, D, R and other areas of similar nature.
- This scenario also supports the activation of an area with changed vertical limits (including beyond normal limits, e.g. below its baseline lower limit or above its baseline upper limit). However, this is only possible for Airspace geometries defined with their 'own' volumes. This scenario does not support the activation with changed vertical limits of an Airspace that has AirspaceVolumes that have a descendant contributorAirspace with dependency equal to 'FULL_GEOMETRY'.
- This scenario does not support the change of the horizontal limits of an area that is normally active nor the activation beyond these horizontal limits.
- This scenario does not support the permanent modification of the activation status of an area.
- This scenario does not support the occasional de-activation of an area that is normally active.
- If an airspace has several sectors (such as EAD21A and EAD21B) that may become active independently, then a separate SAA.ACT Event is encoded for each such sector.
- This scenario does not support the activation/de-activation of CTR and other ATS airspace; see the dedicated scenario {{[ATSA.ACT]}},

SAA.NEW

The establishment of a new restricted, dangerous, prohibited, etc. area or navigation warning, which did not exist as a published (static data) airspace.

input



- The term "special activity area" is used in order to encompass P, D, R and other areas of similar nature.
- This scenario does not include the establishment of temporary ATS airspace (such as a temporary CTR or airspace with a specified class); see the dedicated scenario "Ad-hoc ATS airspace - creation [ATSA.NEW]".
- The creation of a permanent D or R area by NOTAM shall be an exceptional situation, as such events are expected to be managed as static data amendments. However, this is supported in this scenario as the same data requirements

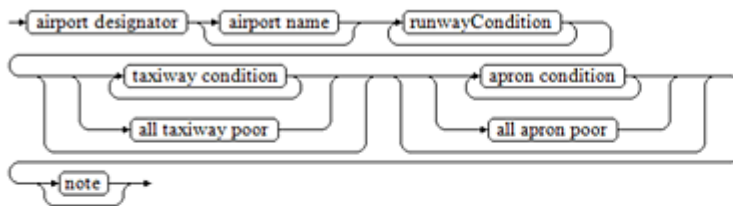
and rules apply and it helps ensuring that all the airspace created by NOTAM are made available digitally, not only the temporary ones.

- This scenario does not cover the encoding of mobile airspace reservations, such as for aerial refuelling areas that move along a specified trajectory.
- This scenario does not support the creation of airspace with conditional lower/upper limit, such as “6000 FT AMSL, but at least 1000 FT AGL”.

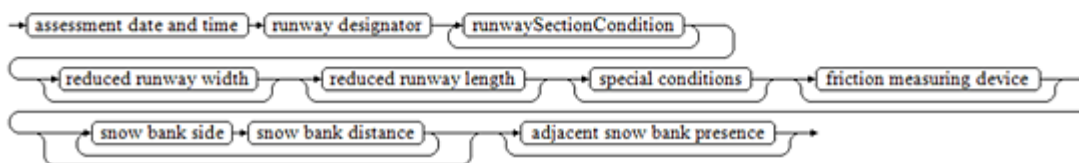
SFC.CON

The surface condition report event scenario describes information about contaminations on one or multiple runways, taxiways and/or aprons at one airport.

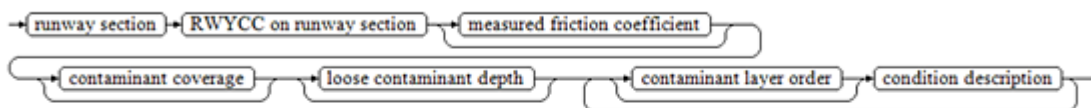
input



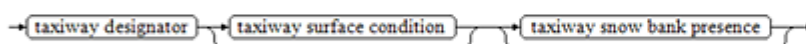
runwayCondition



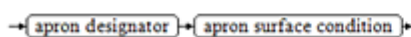
runwaySectionCondition



taxiwayCondition



apronCondition



- The objective of this scenario is to support the encoding of contamination information about individual runways, taxiways or aprons, as foreseen to be contained in SNOWTAM messages as of 04 November 2021 (ICAO) or 12 August 2021 (EU).
- Several runways, taxiways and aprons can be included in the surface condition report.
- The content of the report is considered as described in ICAO Doc 10066 - Aeronautical Information Management, First Edition, Amendment No. 2, 2018, Appendix 4 - SNOWTAM Format and CIR (EU) 2017/373 as amended by CIR (EU) 2020/469 and CIR (EU) 2020/1177 - Appendix 3 SNOWTAM Format.
- This scenario does not support the encoding of the information about airport, runway closure due to contamination. That information should be encoded using the dedicated AD.CLS or RWY.CLS scenarios.

iNM		EUROCONTROL
EAD User Guide		

iNM		EUROCONTROL
EAD User Guide		

6. ADM

ADM stands for AIS Data Maintenance //DEVELOP

Data Providers

Data Providers use the database to directly maintain and distribute their own aeronautical information. They retain full control of – and intellectual property rights over – the information they input into the EAD.

EAD data providers include:

- Aeronautical information services (AIS) organizations within civil aviation authorities, air navigation service providers (ANSPs), and military administrations;
- Designated organizations which maintain data that does not fall under the responsibility of national agencies.

Available tools and applications

- [AIS Data Change Proposals](#)
- [Digital NOTAM Management](#)
- [Data Uploads](#)
- [Released Data Validation](#)
- [AIS Product Management](#)

Data Users

Data Users consult and download data or aeronautical publications, and generate reports from the EAD.

Typical data users include:

- Aeronautical information services (AIS), civil aviation authorities, air navigation service providers (ANSPs), military administrations, airports, etc,
- Aircraft operators,
- International organizations,
- Private pilots,
- Commercial users and
- The general public.

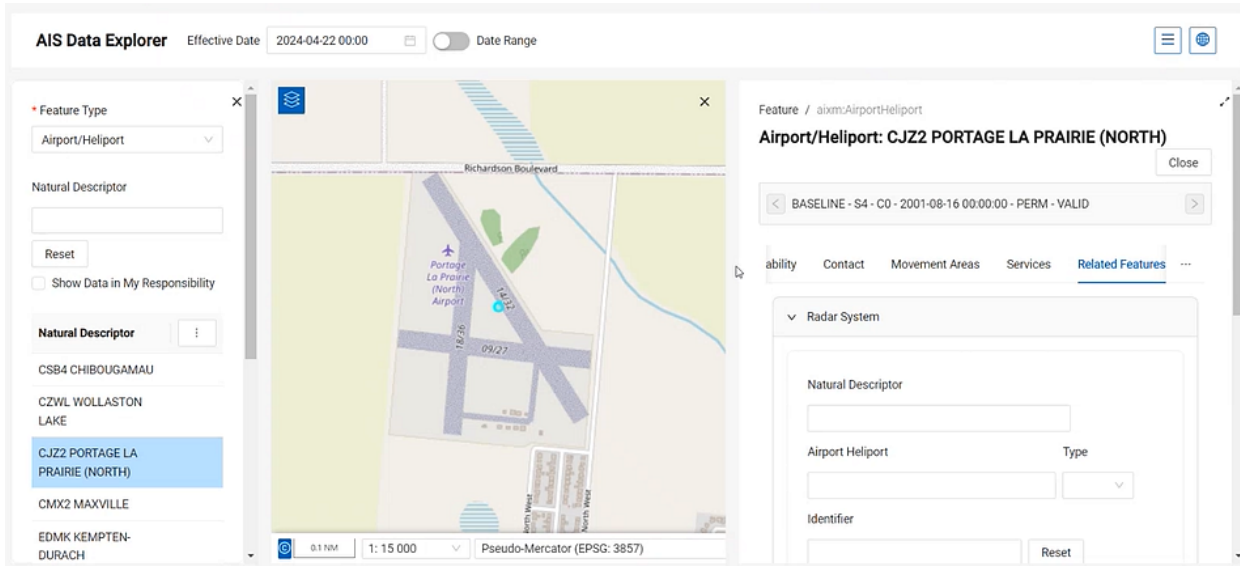
Available tools and applications

- [AIS data Explorer](#)
- [Data Set Extraction Rule Management](#)
- [Data Report Management](#)
- [AIS Data Subscription Management](#)
- [AIS Data Generation History](#)

6.1. AIS Data Explorer

Overview

The **AIS Data Explorer** application serves as a textual and graphical representation tool of AIS Data in AIXM format. Another powerful feature is the manual encoding of AIXM data, with the assistance of textual or graphical verification of the encoded data.



In other words, you can perform the following operations:

- [Search and display](#) existing data,
- And if your profile so allows, [Edit](#) exiting data in the context of [AIS Data Change Proposals](#) or encode new material.

6.1.1. Search Data

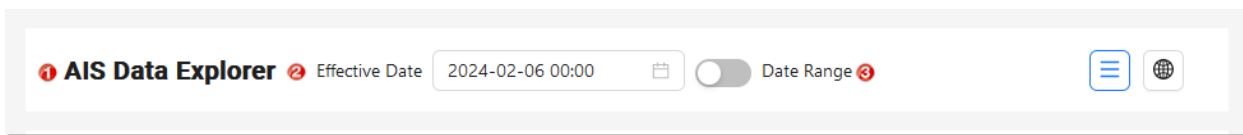
All users can search for data, and display the details of specific feature types.

- As a first step, you need to specify the [Effective date or Date range](#) to view all the valid Features within a defined time period.
- When the Effective date and Feature type are selected, the list of relevant Features will be loaded into the Feature list.
- Then, you select the appropriate valid feature type in the Features, that you fill filter by a set of simple properties, or with the [Natural Descriptor](#).

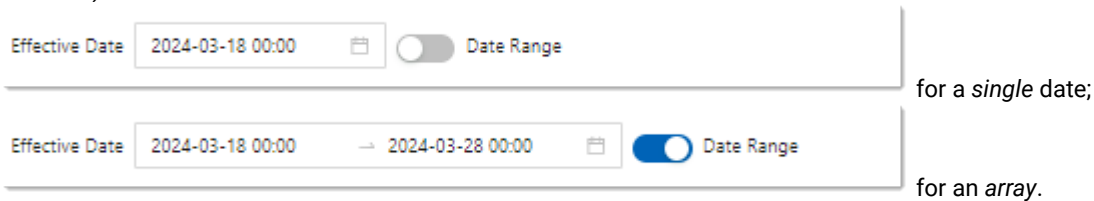
The **AIS Data Explorer** application features two distinct panes:

- [Query](#) - Used to enter the filter parameters
- [Results](#) - To display the resulting list

Query



1. **Title**
2. **Effective Date:** The beginning date and time of validity.
3. **Date Range:** Used to turn the *Effective Date* field (with only a start date) to a Date Range (with indication of a start and end date):

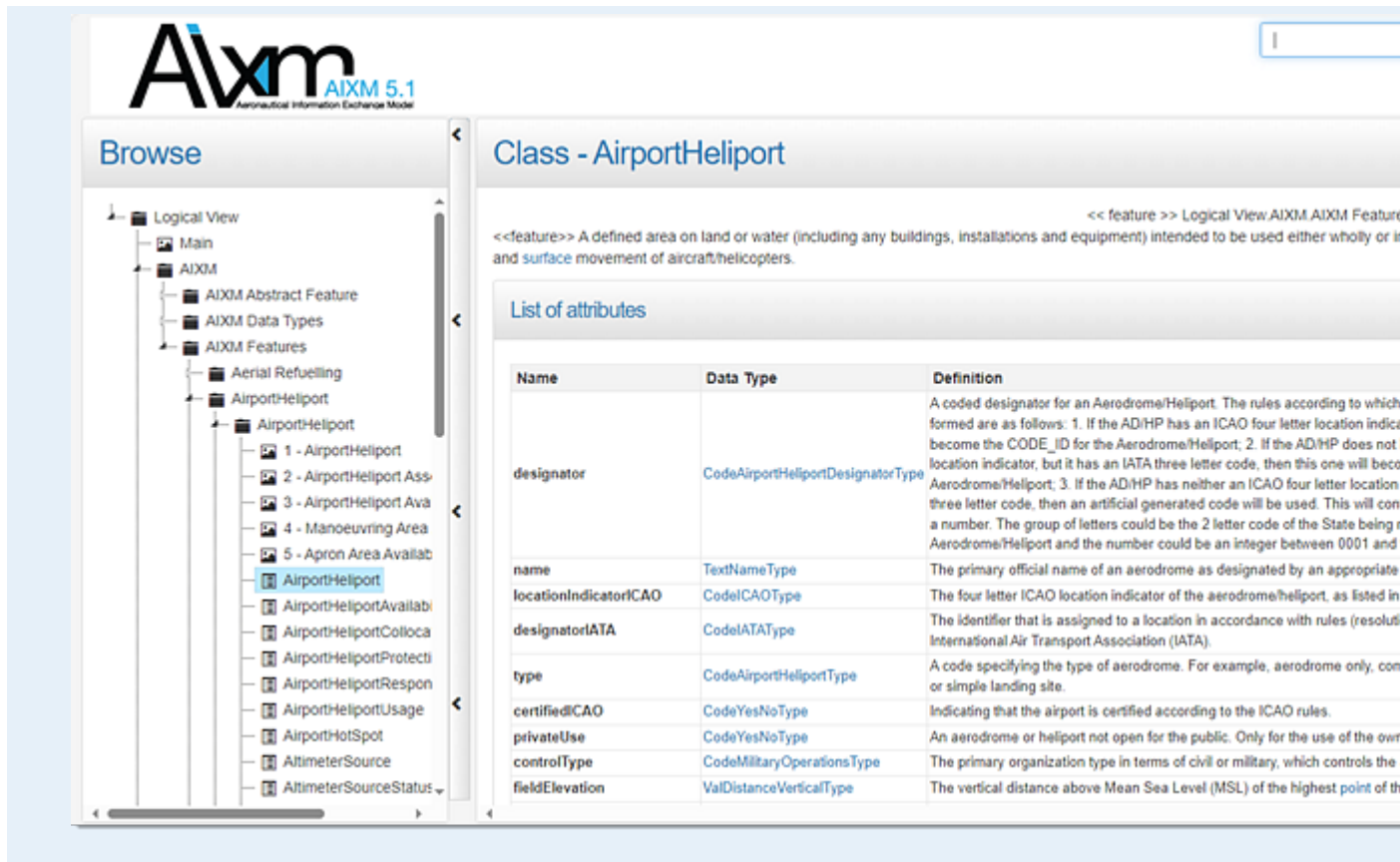


i Please refer to the [Use Dates](#) chapter for further information

Feature Selection

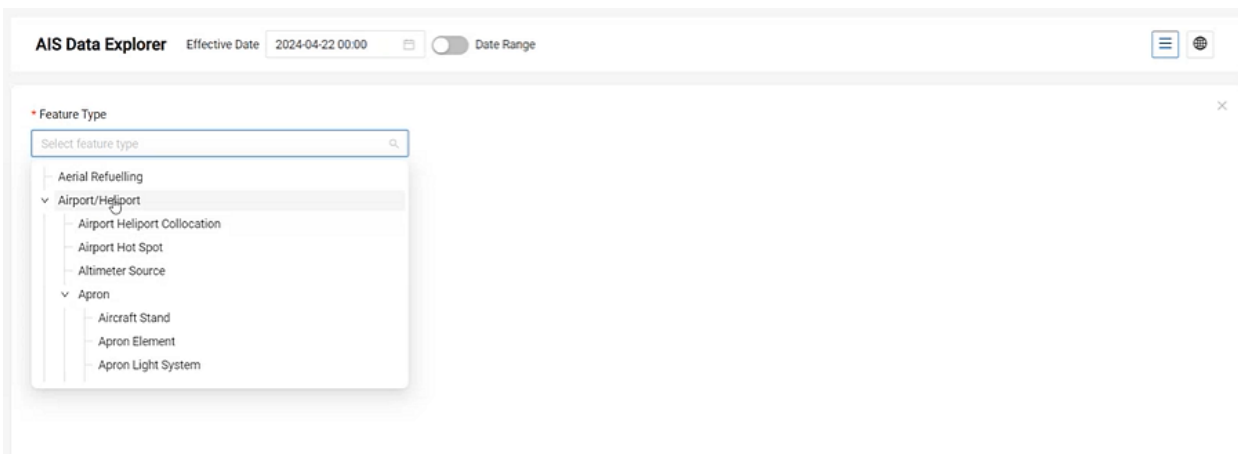
! The **AIS Data Explorer** component currently allows you to select among over 125 Feature Types, based on the AIMX 5.1 Model, and each one comprising their own properties organized in a multitude of configurable forms. The examples and descriptions in this chapter will be using a very small selection of *Feature Type* (i.e. **Airspace**, **AirportHeliport**, ...) in order to express the underlying principles and present how to use the interface.

i Please refer to the **AIMX** website (<https://aixm.aero/sites/default/files/imce/AIXM51HTML/index.html>) for a complete list on all **Properties** and **Feature Types** and their respective associations.



When done with the above settings, you can retrieve all features valid for the provided date range.

Select a **Feature Type** from the list:



As a feature is selected, *additional filtering options* are provided to reduce the list of matching results, namely **Natural Descriptor**, **Designator**, **Name** and **Identifier**:

Designator	Name	Identifier
CSB4	CHIBOUGAMAU	000d240a-f896-4ccb-bb18-fe55fa91c639
CZWL	WOLLASTON LAKE	000f22d6-a39b-4854-8e21-c0123ea5bdaf

- **Natural Descriptor:** Unique identification of the feature type in plain text form - Based on the *Designator* and the *Name* (please refer to the [Natural Descriptor](#) section for details)
- **Designator:** //DEF
- **Name:** //DEF
- **Identifier:** Identification code for any object

Use the **Show Data in My Responsibility** option to filter by items upon which you have some kind of responsibility:

- As creator of the data,
- As member of the Organization owning the data.

Results

The **Results** table lists all objects matching a given query:

Designator	Name	Identifier
CSB4	CHIBOUGAMAU	000d240a-f896-4ccb-bb18-fe55fa91c639
CZWL	WOLLASTON LAKE	000f22d6-a39b-4854-8e21-c0123ea5bdaf
CJZ2	PORTAGE LA PRAIRIE (NORTH)	00228c08-048c-4bf4-ad36-1f5e7e2afab5
CMX2	MAXVILLE	0027310d-0a59-4e94-a4fb-45fc70ac50d3
EDMK	KEMPTEN-DURACH	002af957-1be6-4315-a2b0-a0971acc3407
EBDT	DIEST/SCHAFFEN	003b49d5-6d78-4823-8310-51d7f5954702
CPF4	BRUCE MCPHAIL MEMORIAL	0040c36d-3e8f-412e-a76d-87a47343cbeb

Here again, the content will vary according to the selected Feature Type and so the columns in the table will be different in each case.



Please refer to the [Sort Columns in Tables](#), [Manage Columns in Tables](#) and [Paging](#) chapters for further information on these global table features.

Click on a row in the **Table** to select ...

Designator	Name	Identifier
CSB4	CHIBOUGAMAU	000d240a-f896-4ccb-bb18-fe55fa91c639
CZWL	WOLLASTON LAKE	000f22d6-a39b-4854-8e21-c0123ea5bdaf
CJZ2	PORTAGE LA PRAIRIE (NORTH)	00228c08-048c-4bf4-ad36-1f5e7e2afab5
CMX2	MAXVILLE	0027310d-0a59-4e94-a4fb-45fc70ac50d3
EDMK	KEMPTEN-DURACH	002af957-1be6-4315-a2b0-a0971acc3407
EBDT	DIEST/SCHAFFEN	003b49d5-6d78-4823-8310-51d7f5954702
CPF4	BRUCE MCPHAIL MEMORIAL	0040c36d-3e8f-412e-a76d-87a47343cbeb

... and open the **Details** view for the corresponding object:

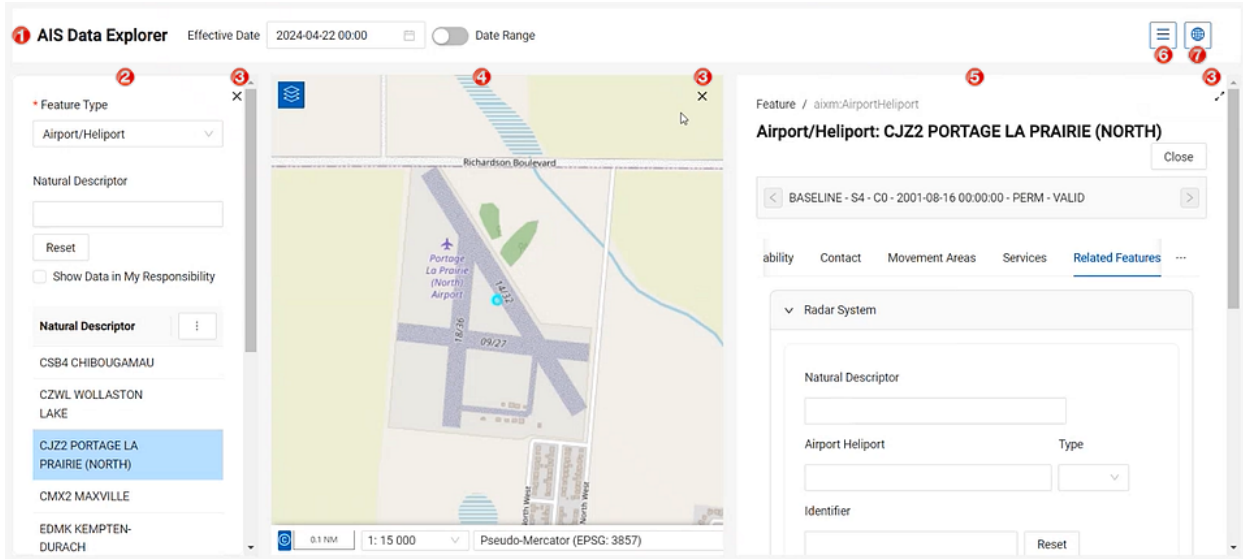
The screenshot displays the EAD user interface. On the left, a sidebar shows a list of feature types under the heading "Feature Type". The selected feature type is "Airport/Heliport". Below this, there is a "Natural Descriptor" field and a "Reset" button. A checkbox labeled "Show Data in My Responsibility" is also present. The sidebar lists several feature types, with "CZWL WOLLASTON LAKE" highlighted in blue. The main content area shows the details for the selected feature. The breadcrumb trail is "Feature / aixm:Airport/Heliport". The title is "Airport/Heliport: CZWL WOLLASTON LAKE". Below the title, there is a breadcrumb trail: "BASELINE - S3 - C0 - 2022-01-27 00:00:00 - PERM - VALID". The main content area is divided into several tabs: "General", "Availability", "Contact", "Movement Areas", "Services", "Related Features", "Contamination", "Boundary", "Other Related Features", and "Audio". The "Availability" tab is currently selected. Under the "Availability" tab, there is a section for "Identification" with a sub-section for "Identification". The "Identification" section contains the following fields: "Designator" (CZWL), "Name" (WOLLASTON LAKE), "Type" (AD), "Location Indicator ICAO" (CZWL), "Designator IATA", and "Certified ICAO".



Please refer to the [AIS Data Detail](#) chapter for further information.

6.1.2. AIS Data Detail

Display

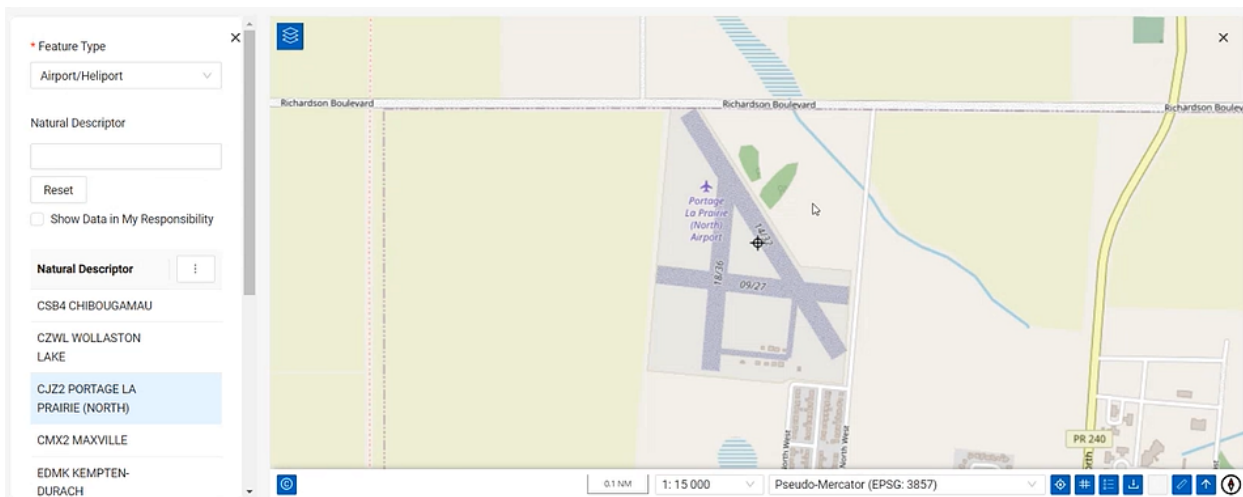


This is what the **AIS Data Explorer View** displays when a given feature is selected in the *Feature List*:

1. **View Header** - as described in the [AIS Data Explorer](#) chapter
2. **Feature selection** - a *collapsed* version of the fully expanded feature selection pane
3. Pane visibility commands
 - a. to **Expand** the pane (returns the same result as closing the other panes)
 - b. to **Close** the pane
4. **Map** pane - further described [below](#)
5. **Detail** pane - further described [below](#)
6. Toggle switch to *Show / Hide* the **Feature Selection panel** (Shown by default)
7. Toggle switch to *Show / Hide* the **Map** (Hidden by default)

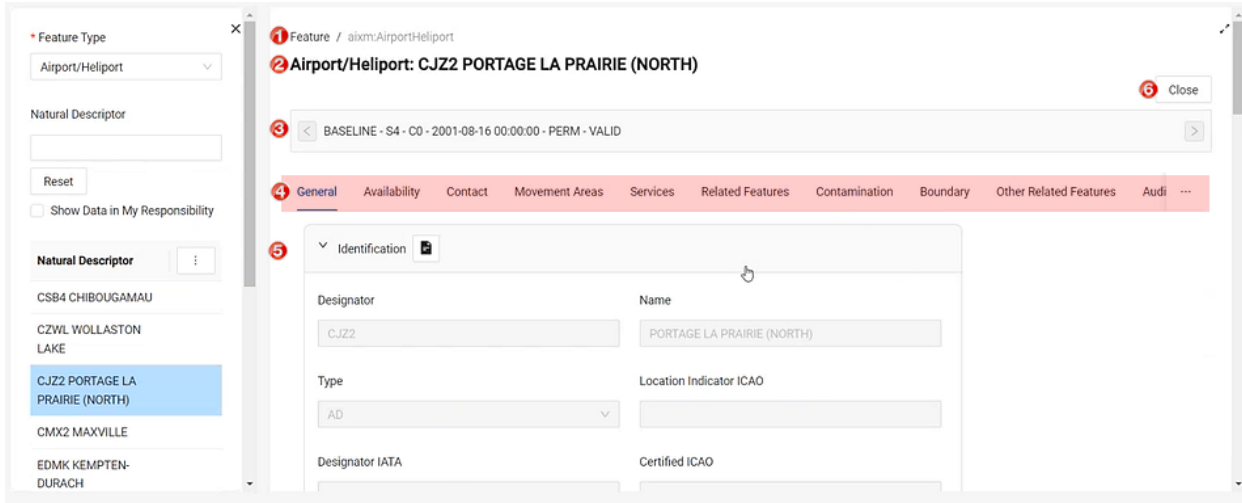
Map Pane

The **Map** provides a visual representation of the items listed in the **Feature selection** pane:



Important: To optimize legibility, the display of some features is based on the zoom level.

Detail Pane



1. Feature Type
2. Feature ID
3. **Baseline Selector:** //DEF
4. **Navigation tabs:** Number and category will vary, depending on then selected *Feature Type*
5. **Detail Content:** Display of the properties presented under the selected tab, based on the corresponding AIXM model. Here as well, their number and type are depending on the *Feature Type*



Important: In addition to the dependency on Feature Type, the properties and their organization on the screen are likely to change over time as the forms are configurable by administrators.

6. **Close button:** //DEF

Navigation

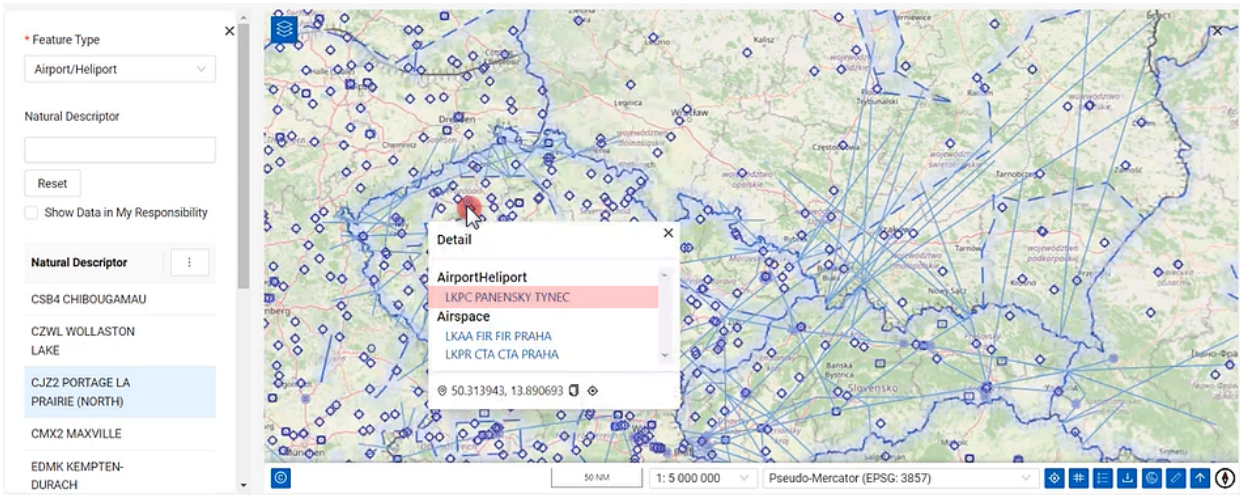
You can navigate either via the **Feature Type** list (for a textual approach) or via the **Map** (for a visual one)

From the List

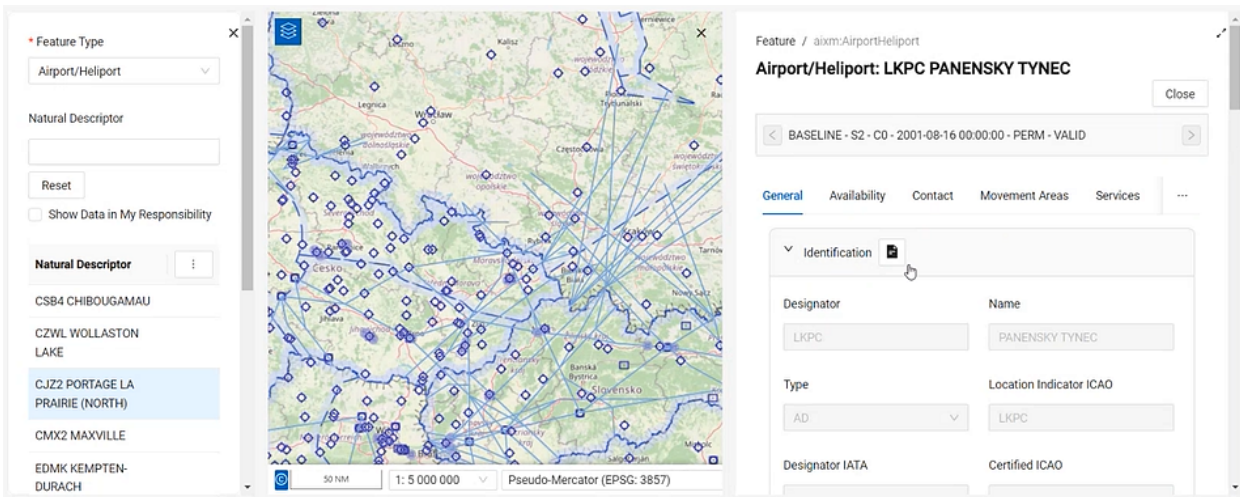
You will simply filter and select the feature you want to examine.

From the Map

You can directly pick a feature from the objects displayed on the Map and click to open the Detail pop-up for the selected feature. When the zoom factor is such that objects are cluttered, or when they are overlapping, a list of the features present under the selected location pops up, from which you can selected the desired object...



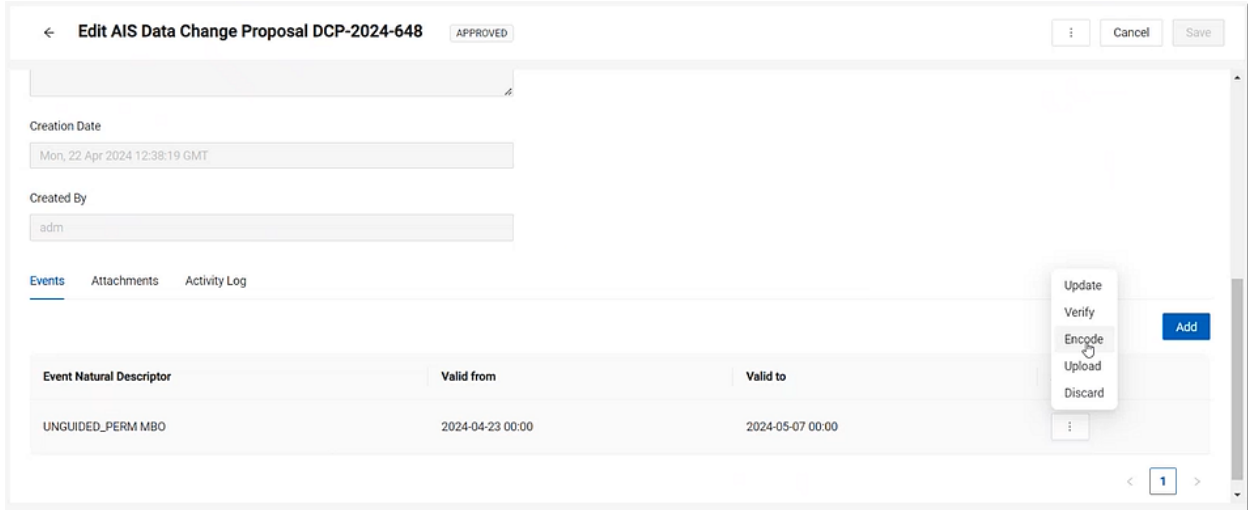
... and subsequently open the corresponding **Detail** pane:



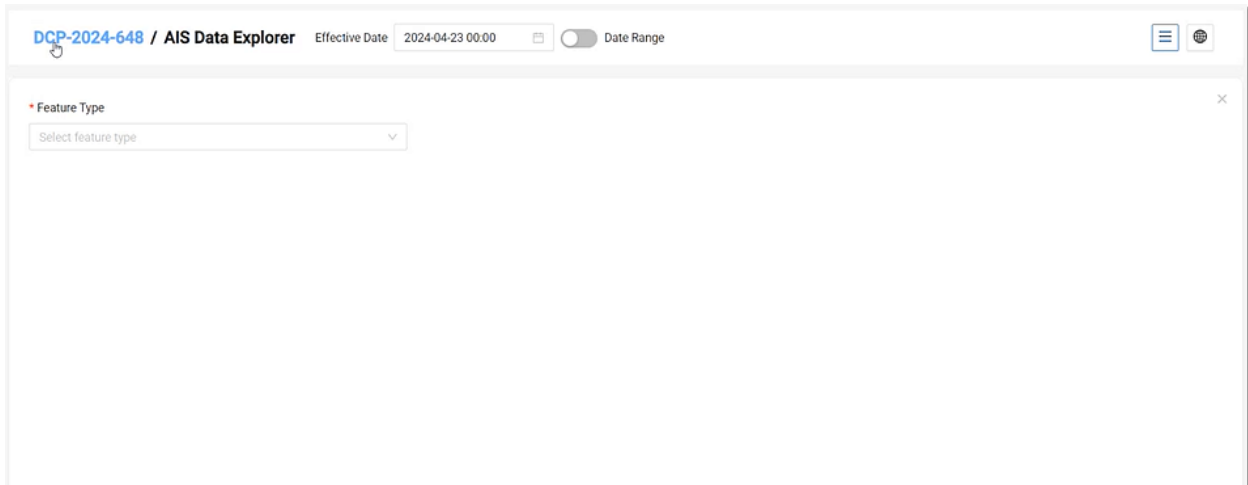
6.1.3. Edit Data

Important: an essential preliminary condition to start the data editing process is to have [created](#) in advance an adequate [Data Change Proposal](#).

Starting from the event has been created, use the **Encode** command from the *Actions* menu:



This action brings you back to the **AIS Data Explorer** - already indicating **//DEF DCP-2024-648**



The **Edit** mode is activated and you can start changing the data - and start by selecting the target **Feature Type**:

Designator	Name	Identifier
CSB4	CHIBOUGAMAU	000d240a-f896-4ccb-bb18-fe55fa91c639
CZWL	WOLLASTON LAKE	000f22d6-a39b-4854-8e21-c0123ea5bdaf
CJZ2	PORTAGE LA PRAIRIE (NORTH)	00228c08-048c-4bf4-ad36-1f5e7e2afab5
CMX2	MAXVILLE	0027310d-0a59-4e94-a4fb-45fc70ac50d3
EDMK	KEMPTEN-DURACH	002af957-1be6-4315-a2b0-a0971acc3407
EBDT	DIEST/SCHAFFEN	003b49d5-6d78-4823-8310-51d7f5954702
CPF4	BRUCE MCPHAIL MEMORIAL	0040c36d-3e8f-412e-a76d-87a47343cbeb

The interface is very similar to what is described in the [Search Data](#) section - with some additional buttons and functions linked to the **Edit** context:

- [Create](#) completely new features
- [Edit](#) existing features
- [Verify](#)
- [Withdraw](#) features

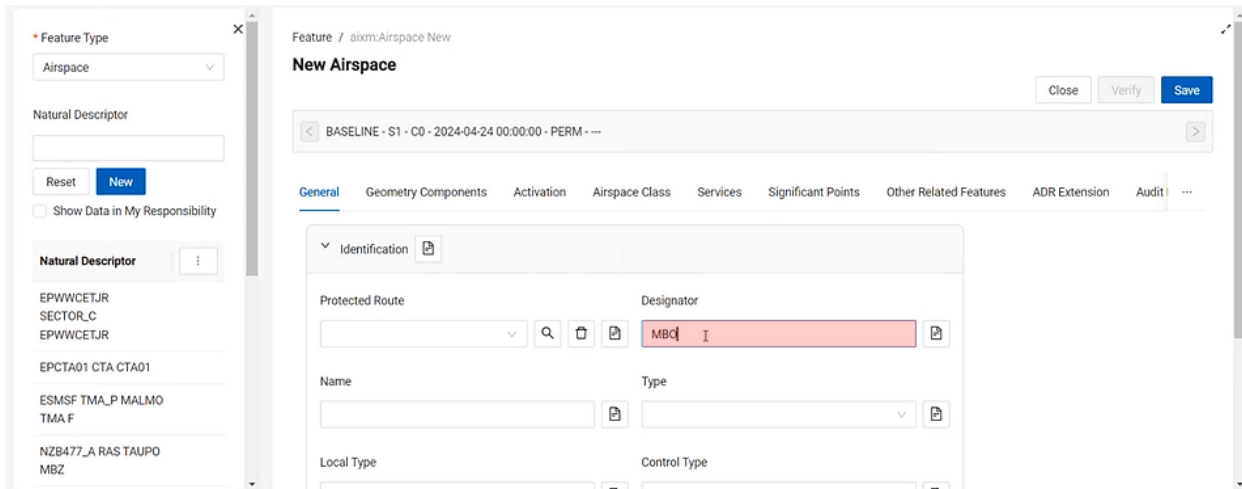
Create

Click on the **New** button to initiate the creation process:

A blank form opens presenting the template for the creation of a new feature associated the above selected **Feature Type**:

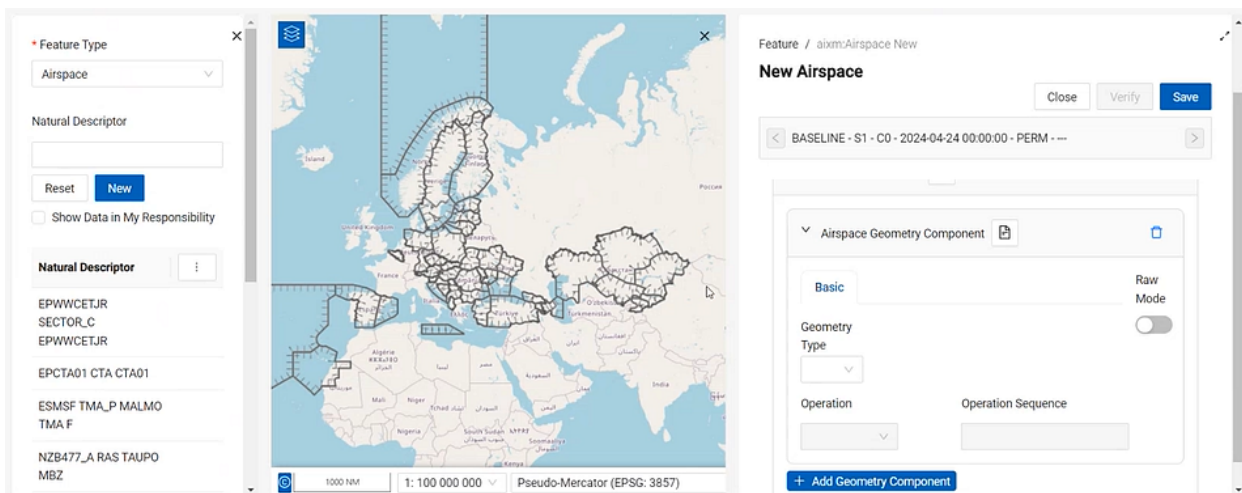
Text input

The content creation will mostly in the form of textual input, that is, filling in the input fields:



Graphical input

For the Feature Types based on a Geometry (Airspaces, Runways, Airports/Heliports, ...) - allowing them to be displayed on the Map - you may wish to make use of the drawing functions provided by the Map, as in this example:



Some *Geometry* properties can be defined textually:

Feature Type: Airspace

Natural Descriptor: [Empty]

Reset New

Show Data in My Responsibility

Natural Descriptor: [Empty]

EPWWCETJR
SECTOR_C
EPWWCETJR

EPCTA01 CTA CTA01

ESMSF TMA_P MALMO
TMA F

NZB477_A RAS TAUPO
MBZ

Feature / aixm:Airspace New

New Airspace

Close Verify Save

BASELINE - S1 - C0 - 2024-04-24 00:00:00 - PERM

Geographical Accuracy: uom

Show lat/long conversions Elevated

Polygon Circle Corridor

Latitude for Center: 48 Longitude for Center: 17

Radius: 50 KM

+ Add Geometry Component

You can also click on the **Map Edit** button ...

Feature Type: Airspace

Natural Descriptor: [Empty]

Reset New

Show Data in My Responsibility

Natural Descriptor: [Empty]

EPWWCETJR
SECTOR_C
EPWWCETJR

EPCTA01 CTA CTA01

ESMSF TMA_P MALMO
TMA F

NZB477_A RAS TAUPO
MBZ

Feature / aixm:Airspace New

New Airspace

Close Verify Save

BASELINE - S1 - C0 - 2024-04-24 00:00:00 - PERM

Geographical Accuracy: uom

Show lat/long conversions Elevated

Polygon Circle Corridor

Latitude for Center: 48 Longitude for Center: 17

Radius: 50 KM

+ Add Geometry Component

... To enable the *Edit Geometry* mode on the Map and start drawing:

Feature Type: Airspace

Natural Descriptor: [Empty]

Reset New

Show Data in My Responsibility

Natural Descriptor: [Empty]

EPWWCETJR
SECTOR_C
EPWWCETJR

EPCTA01 CTA CTA01

ESMSF TMA_P MALMO
TMA F

NZB477_A RAS TAUPO
MBZ

Feature / aixm:Airspace New

New Airspace

Close Verify Save

BASELINE - S1 - C0 - 2024-04-24 00:00:00 - PERM

Geodetic datum: urn:ogc:def:crs:EPSG:4326

Geographical Accuracy: uom

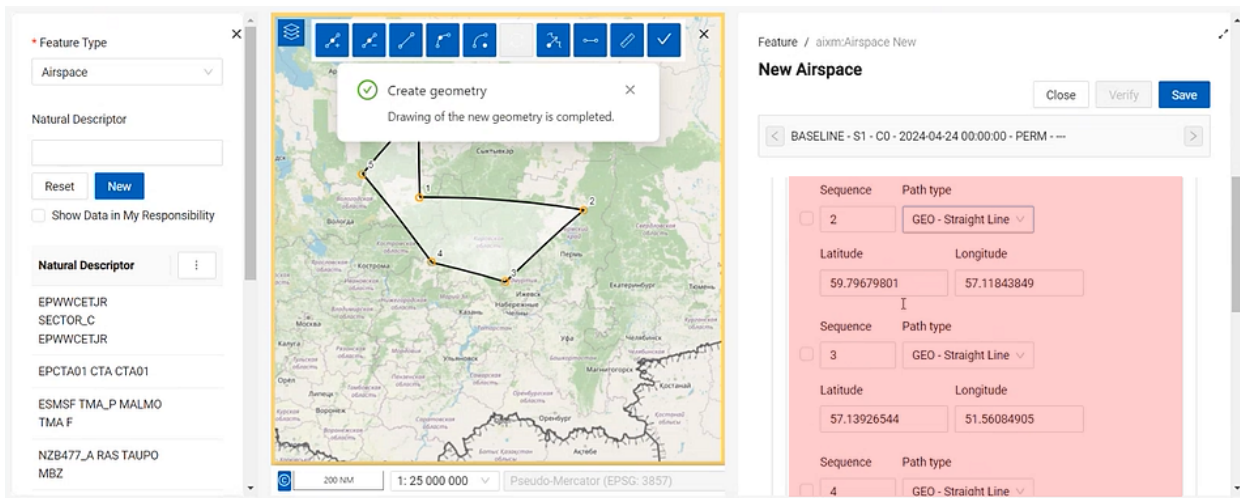
Show lat/long conversions Elevated

Polygon Circle Corridor

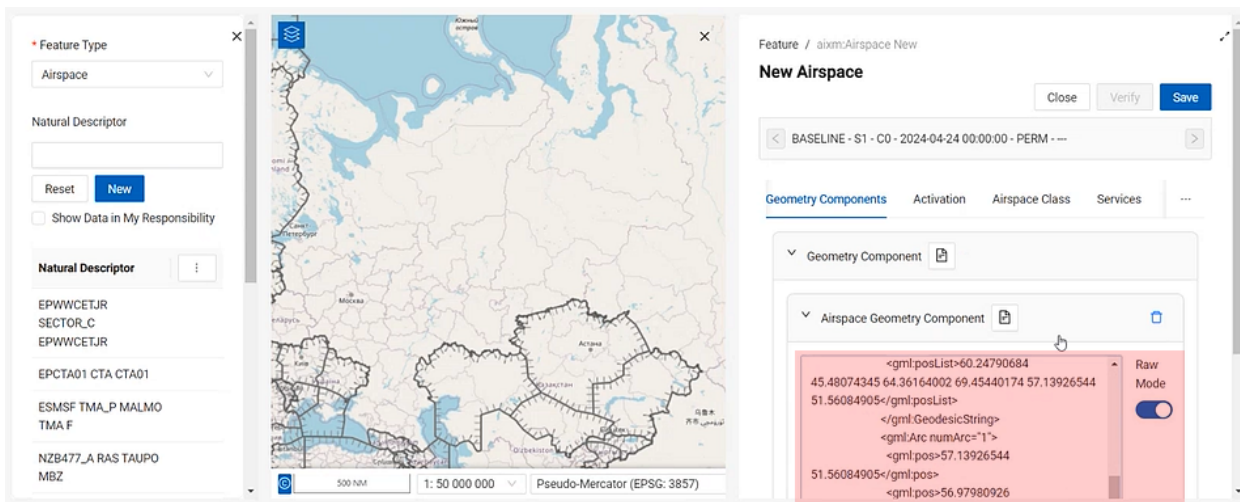
Sequence: 1 Path type: GEO - Straight Line

Latitude: 60.24790684 Longitude: 45.48074345

The textual form gets automatically filled in:



Raw Mode



The **Raw Mode** allows you to upload GML or XML files to import geometries coming from another source.

Save

Make the required changes and when ready, click on the **Save** button.

Edit

From the list of existing features, select the one to edit:

* Feature Type
Airport/Heliport

Natural Descriptor Designator Name Identifier

Reset New

Show Data in My Responsibility

Designator	Name	Identifier
CSB4	CHIBOUGAMAU	000d240a-f896-4ccb-bb18-fe55f91c639
CZWL	WOLLASTON LAKE	000f22d6-a39b-4854-8e21-c0123ea5bdaf
CJZ2	PORTAGE LA PRAIRIE (NORTH)	00228c08-048c-4bf4-ad36-1f5e7e2afab5
CMX2	MAXVILLE	0027310d-0a59-4e94-a4fb-45fc70ac50d3
EDMK	KEMPTEN-DURACH	002af957-1be6-4315-a2b0-a0971acc3407
EBDT	DIEST/SCHAFFEN	003b49d5-6d78-4823-8310-51d7f5954702
CPF4	BRUCE MCPHAIL MEMORIAL	0040c36d-3e8f-412e-a76d-87a47343cbeb

The fields in the form are locked so click on the **Update** button to enable the edition:

* Feature Type
Airport/Heliport

Natural Descriptor

Reset New

Show Data in My Responsibility

Natural Descriptor

CSB4 CHIBOUGAMAU

CZWL WOLLASTON LAKE

CJZ2 PORTAGE LA PRAIRIE (NORTH)

CMX2 MAXVILLE

EDMK KEMPTEN-DURACH

Feature / aixm:AirportHeliport

Airport/Heliport: CJZ2 PORTAGE LA PRAIRIE (NORTH)

Close Withdraw Update

BASELINE - S4 - C0 - 2001-08-16 00:00:00 - PERM - VALID

General Availability Contact Movement Areas Services Related Features Contamination Boundary Other Related Features Audi ...

Identification

Designator Name

CJZ2 PORTAGE LA PRAIRIE (NORTH)

Type Location Indicator ICAO

AD

Designator IATA Certified ICAO

Make the required changes then click on the **Save** button.

Feature / aixm:AirportHeliport

Airport/Heliport: CJZ2 PORTAGE LA PRAIRIE (NORTH)

Close Verify Save

BASELINE - S5 - C0 - 2024-04-23 00:00:00 - PERM - ---

General Availability Contact Movement Areas Services Related Features Contamination Boundary Other Related Features Audit Extension Time Slice Info

Identification

Designator Name

CJZ2 PORTAGE LA PRAIRIE (NORTH)

Type Location Indicator ICAO

AD

Designator IATA Certified ICAO

A confirmation notice is displayed upon successful update:

DCP-2024-648 / AIS Data Explorer Effective Date: 2024-04-23 00:00 Date Range

Feature / aixm:AirportHeliport

Data-branch successfully updated.

Airport/Heliport: CJZ2 PORTAGE LA PRAIRIE (NORTH)

Close Verify Save

BASELINE - S5 - C0 - 2024-04-23 00:00:00 - PERM - PLANNED

General Availability Contact Movement Areas Services Related Features Contamination Boundary Other Related Features Audit Extension Time Slice Info

Identification

Designator: CJZ2 Name: PORTAGE LA PRAIRIE (NORTH)

Type: AH Location Indicator ICAO:

You can now **Close** the form:

Feature / aixm:AirportHeliport

Data-branch successfully updated.

Airport/Heliport: CJZ2 PORTAGE LA PRAIRIE (NORTH)

Close Verify Save

BASELINE - S5 - C0 - 2024-04-23 00:00:00 - PERM - PLANNED

General Availability Contact Movement Areas Services Related Features Contamination Boundary Other Related Features Audit Extension Time Slice Info

Identification

Designator: CJZ2 Name: PORTAGE LA PRAIRIE (NORTH)

Type: AH Location Indicator ICAO:

Verification

Open the feature again, click on the [Time Slice](#) selector...

Feature Type: Airport/Heliport

Natural Descriptor:

Reset New

Show Data in My Responsibility

Natural Descriptor:

CSB4 CHIBOUGAMAU

CZWL WOLLASTON LAKE

CJZ2 PORTAGE LA PRAIRIE (NORTH)

CMX2 MAXVILLE

EDMK KEMPTEN-DURACH

Feature / aixm:AirportHeliport

Data-branch successfully updated.

Airport/Heliport: CJZ2 PORTAGE LA PRAIRIE (NORTH)

Close Discard changes Edit BASELINE

BASELINE - S5 - C0 - 2024-04-23 00:00:00 - PERM - PLANNED

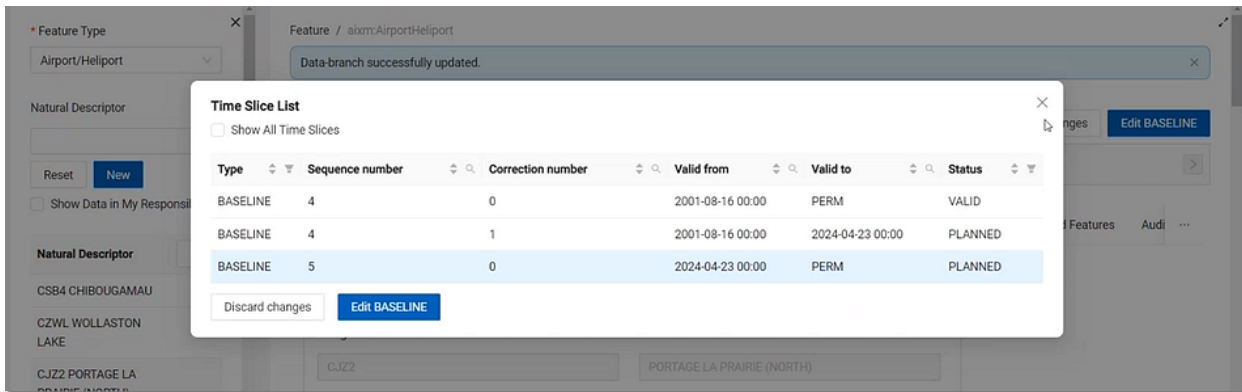
General Availability Contact Movement Areas Services Related Features Contamination Boundary Other Related Features Audi ...

Identification

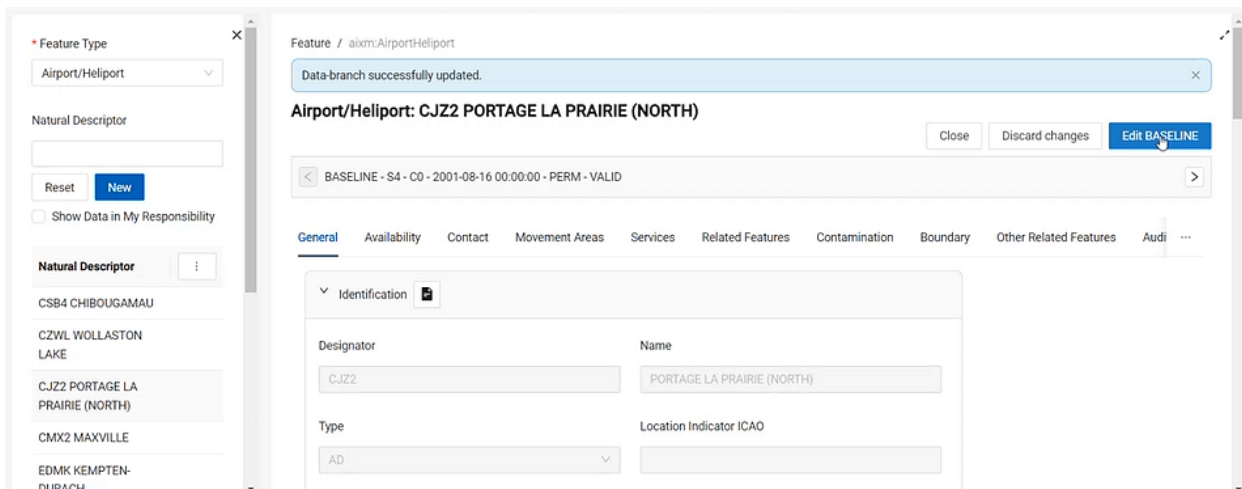
Designator: CJZ2 Name: PORTAGE LA PRAIRIE (NORTH)

Type: AH Location Indicator ICAO:

... and note the newly created Time Slice:

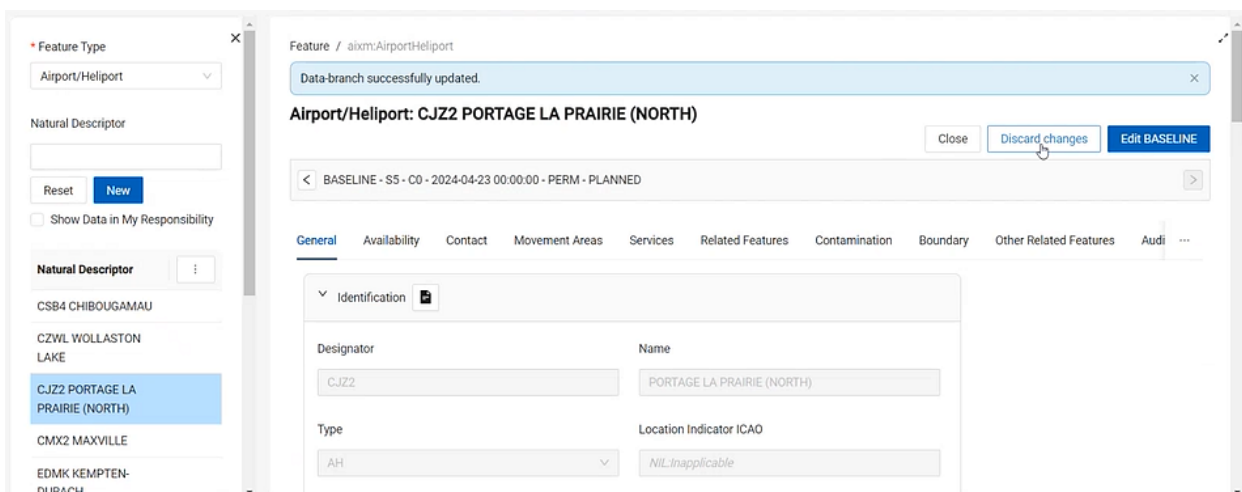


Edit Baseline



The **Edit Baseline** command allows you to perform any number of changes inside the current data branch, without affecting the number and sequence of the Time Slices.

Discard Changes



The **Discard Changes** command suppresses the changes made on the data, and deletes the corresponding Time Slices.

Verify

Feature Type

Airport/Heliport

Natural Descriptor

Reset **New**

Show Data in My Responsibility

Natural Descriptor

- CSB4 CHIBOUGAMAU
- CZWL WOLLASTON LAKE
- CJZ2 PORTAGE LA PRAIRIE (NORTH)**
- CMX2 MAXVILLE
- EDMK KEMPTEN-DURACH

Feature / aixm:AirportHeliport

Data-branch successfully updated.

Airport/Heliport: CJZ2 PORTAGE LA PRAIRIE (NORTH)

Close **Verify** Save

BASELINE - S5 - C0 - 2024-04-23 00:00:00 - PERM - PLANNED

Designator	CJZ2	Name	PORTAGE LA PRAIRIE (NORTH)
Type	AH	Location Indicator ICAO	
Designator IATA		Certified ICAO	
Certification Date		Certification Expiration Date	

//DEF

Withdraw

Feature Type

Airspace

Natural Descriptor

Reset **New**

Show Data in My Responsibility

Natural Descriptor

- EPWWCETJR SECTOR_C EPWWCETJR
- EPCTA01 CTA CTA01
- ESMSF TMA_P MALMO TMA F
- NZB477_A RAS TAUPO MBZ**

Feature / aixm:Airspace

Airspace: NZB477_A RAS TAUPO MBZ

Close **Withdraw** Update

BASELINE - S4 - C0 - 2001-08-16 00:00:00 - PERM - VALID

General Geometry Components Activation Airspace Class Services Significant Points Other Related Features ADR Extension Audit ...

Identification

Protected Route	Designator
	NZB477_A
Name	Type
TAUPO MBZ	RAS
Local Type	Control Type

//DEF

6.2. AIS Data Change Proposals Management

i The creation of a **Data Change Proposal** is an important preliminary step in managing data in eEAD Data Change Proposals

i **Data Change Proposals** are typically used for mid- or long term data changes, i.e. in relation with AIRAC, whereas **Digital NOTAM** is more likely to be used for short term changes and notifications.

Workflow Summary

Please refer to the [Workflow](#) chapter for a summary.

Structure

Object ID	Status	Subject	Description	Planned effective date from	Until	Originator	Creation date	Created by	Actions
DCP-2024-33	APPROVED	New TSA Creation of Belgium	500703N 0041011E - 501208N 0044021E - 494927N 0044914E - 494604N 0043047E - 494920N 0041830E - 495835N 0040853E - 500703N 0041011E UNL / 4500 FT Aerobatic area	2024-04-19 09:28	2024-04-30 09:27	Skeyes	2024-04-18 09:28:56	logged-user--T8D-on-8E	[...]
DCP-2024-32	APPROVED	Closure of EBBR because of apron congestion	airport closed briefly, information received by phone	2024-04-18 08:50	2024-04-18 10:45	EBBR Airport	2024-04-18 08:45:37	logged-user--T8D-on-8E	[...]

i Please refer to the [Common Features](#) chapter for the description of the commonly used features and functions.

Header

- **Create** button : Used to initiate the [creation](#) of a new AIS Data Change Proposal.
- **Reset** button: Used to clear for query form.

Query

The **Query** section is used to filter down the number of records listed in the **Results** section.

Result

Object ID	Status	Subject	Description	Planned effective date from	Until	Originator	Creation date	Created by	Actions
DCP-2024-34	APPROVED	Test airspace border adjustment	tomorrow	2024-04-19 00:00			2024-04-18 11:51:01	logged-user--TBD-on-BE	
DCP-2024-33	APPROVED	New TSA Creation of Belgium	500703N 0041011E - 501208N 0044021E - 494927N 0044914E - 494604N 0043047E - 494920N 0041830E - 495835N 0040853E - 500703N 0041011E UNL / 4500 FT Aerobatic area	2024-04-19 09:28	2024-04-30 09:27	Skeyes	2024-04-18 09:28:56	logged-user--TBD-on-BE	
DCP-2024-32	APPROVED	Closure of EBBR because of apron congestion	airport closed briefly, information received by phone	2024-04-18 08:50	2024-04-18 10:45	EBBR Airport	2024-04-18 08:45:37	logged-user--TBD-on-BE	
DCP-2024-31	APPROVED	test	test	2024-04-18 00:00			2024-04-17 19:11:21	logged-user--TBD-on-BE	
DCP-2024-30	APPROVED	New airport creation	New airport LMML	2024-04-18 00:00			2024-04-17 12:55:01	logged-user--TBD-on-BE	

The **Results** table lists records matching the **Query** filters - and displays them in the form of a table.


The presented data is self-explanatory - feel free to check the [Use Tables](#) chapter for additional information.

Actions

Click on any table row to open the corresponding [View](#).

Please refer to the [Action Menus in Tables](#) chapter for additional information.

6.2.1. Workflow


 **Important:** Please note that this workflow is only applicable for **Wave 1**. In **Wave 2**, there will be an integration with the *Business Process Management*.

Create Data Change Proposal

- Select Create to open data form.
- Complete DCP data and Save the record.


Attach file to Data Change Proposal

- Select Attachment tab.
- Select file to be attached to the DCP.

 Attachment can be further Updated and Deleted..

Add Activity Log to Data Change Proposal

- Select Activity Log tab.
- Select Add to open data form.
- Complete Activity Log data and Save the record.


 Activity Log can be further Deleted and Downloaded.

Update Data Change Proposal

- Select Edit to open data form.
- Update DCP data and Save the record.

Export Data Change Proposal

- Select Export to export AIS Data from the DCP as AIXM 5.1.1 file.


 Exported AIXM 5.1.1 file will contain // **TBD**

Rebase Data Change Proposal

- Select Rebase to Rebase the DCP AIS Data with Released AIS Data.


Release Data Change Proposal

- Select Release to release AIS Data from the DCP into Released AIS Data.

 Before the DCP AIS Data are released they are automatically rebased (see Rebase Data Change Proposal) and verified (see Verify Data Change Proposal).

Verify Data Change Proposal

- Select Verify to verify the DCP AIS Data against applicable business rules.



 Result of verification is stored under Attachments of the DCP.

Visualize Data Change Proposal



- Select Visualize to open Visual AIS Data Explorer.

 See Visual AIS Data Explorer help.

Create Event

- Select Approve on the DCP form to initiate automatic creation of Event.
 -  Use Add on the DCP form to add another Event to the DCP.
- Complete Event data and Create the Event record.
 -  Use Select existing event to link existing Event to the DCP instead of creating new one.
- Use Parent Event link to see Event features of Parent Event.
- Use Cause Event link to indicate cause relation between Event and Cause Event.


Encode Event

- Select Encode from DCP form or Event form to open data editor.
 -  If UNGUIGED_PERM is selected Scenario of Event then AIS Data Explorer will be open. If other then UNGUIGED_PERM is selected Scenario of Event then Digital NOTAM Management will be open..
- Edit Event data using AIS Data Explorer or Digital NOTAM Management.
 -  See AIS Data Explorer Help or Digital NOTAM Management help..


Update Event

- Select Update to open data form.
- Update Event data and Save the record.

Verify Event

- Select Verify to verify the Event AIS Data against applicable business rules.
 -  Result of verification is stored under Attachments of the DCP.

Upload AIXM to Event

- Select Upload to open Upload window.
- Select AIXM5.1.1 file to be uploaded and select OK.
 -  AIS Data from AIXM5.1.1 are uploaded into Event. Report of uploaded can be find under Attachments of the DCP.

Discard Event

- Select Discard to discard all AIS Data from Event.

Add AIS Product to Event

- Select AIS Products tab.
- Select Add to open Add AIS Product selection windows.
- Select AIS Product and press OK.

6.2.2. Create AIS Data Change Proposal

Structure

The screenshot shows a web form titled "Create AIS Data Change Proposal". At the top left is a back arrow and the title. At the top right are "Cancel" and "Save" buttons. The form contains the following fields and controls:

- * Subject**: A text input field.
- Originator**: A text input field.
- Permanent / Temporary**: Two radio buttons.
- * Valid From**: A date picker with the text "Select date" and a calendar icon.
- * Description**: A large text area.

- **Subject** (*mandatory*): Short text that will become the *Name* of the Data Change Proposal.
- **Originator**: The organization that has originated the data for which the Change proposal is initiated.
- **Interpretation** (*mandatory*): **Permanent / Temporary**: Allows you to select either a start date (for a *Permanent* CPM) or a date array (for a *Temporary* one)
- **Description** (*mandatory*): A short description text.

Actions

As you filled in the form, two actions are now available to you:

- [Cancel](#)
- [Save](#)

Cancel

//DEF

Save

← Create AIS Data Change Proposal Cancel Save

* Subject
TWR Frequency change

Originator

Permanent Temporary

* Valid From
2024-04-23 00:00

* Description
TWR Frequency change to 118.15MHz

Once you click on the **Save** button, the view gets updated:

← View AIS Data Change Proposal DCP-2024-35 PROPOSED Approve Visualize Edit

* Subject
TWR Frequency change

Originator

Permanent Temporary

* Valid From
2024-04-23 00:00

* Description
TWR Frequency change to 118.15MHz

Creation Date
Thu, 18 Apr 2024 13:14:52 GMT

Created By
logged-user---TBD-on-BE

4 Attachments Events Activity Log

Attachment name	Creation date	Created by	Actions
No data			

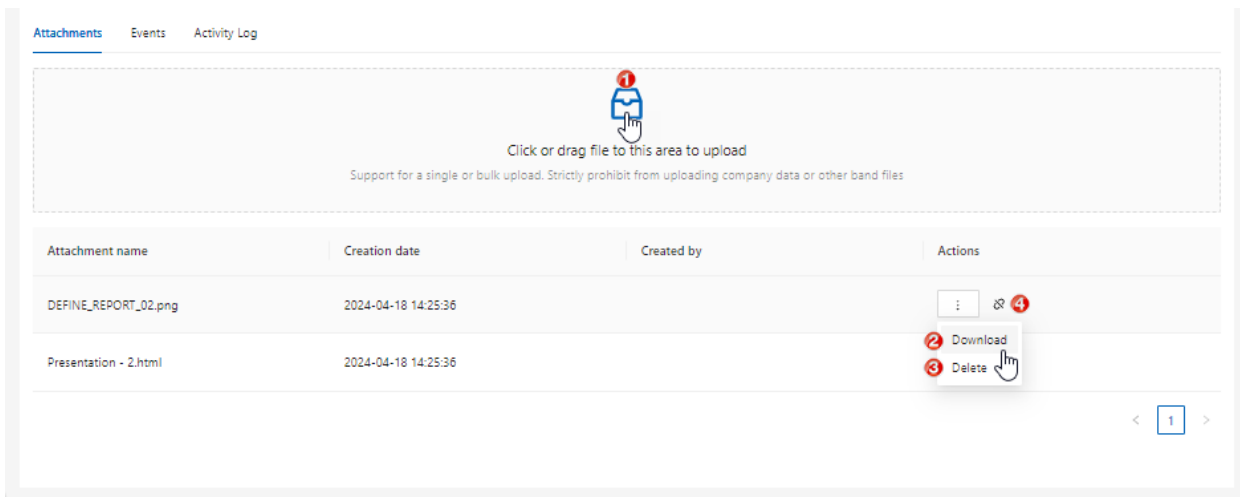
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1. **Status** is set to *Proposed*
2. The [Edit](#) button is enabled (as all fields are currently *read-only*)
3. The **Creation date** and **Created by** attributes are generated by the system
4. A component featuring three tabs is displayed:
 - a. [Attachments](#)
 - b. [Events](#)
 - c. [Activity Log](#)
5. An **Action** menu features the following functions:
 - **Approve**
 - **Visualize**

Edit

Click on the **Edit** button to enable the [Edit mode](#).

6.2.2.1. Attachments



The **Attachments** tab functions in a very intuitive manner and allows you to:

1. **Upload** files (single or bulk)
2. **Download** a selected file
3. **Delete** (in *Edit* mode) a selected file
4. **Icon** meaning that the item is not saved yet - it will disappear as soon as the "host" DCP has been saved

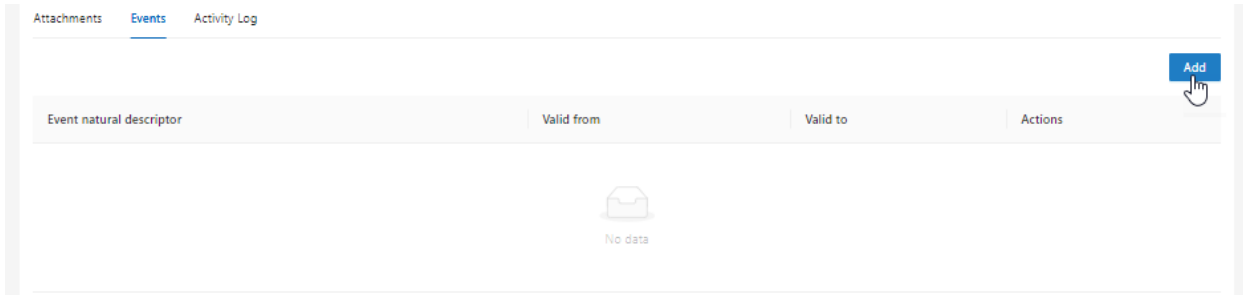
6.2.2.2. Events

Events //DEF

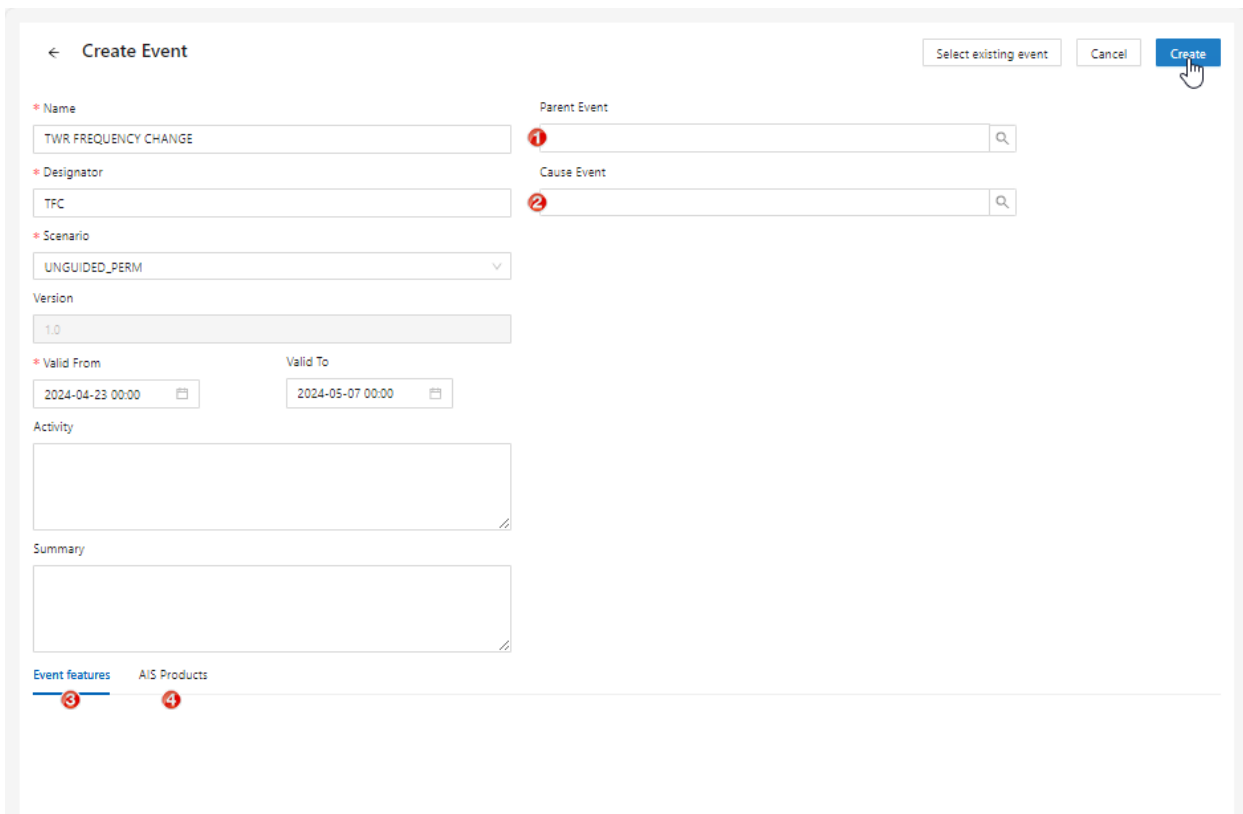
- Automatically created by the system every time a modification is recorded - i.e. *change of status*
- Can be manually created to be associated to a given change proposal

Create

Click on the **Add** button to initiate the creation process:



Most of the fields are self-explanatory - some are specific to the current content:



1. **Parent Event:** Allows you to associate the current event to any existing one in order to logically organize events and changes
2. **Cause Event:** Used when a given change in the AIS data impacts other events that will need to be changed as well
3. **Event features:** //DEF
4. **AIS Products:** Area when you can add documents created with the [AIS Product Management](#) application

Click on the **Create** button to add the event to the change proposal:

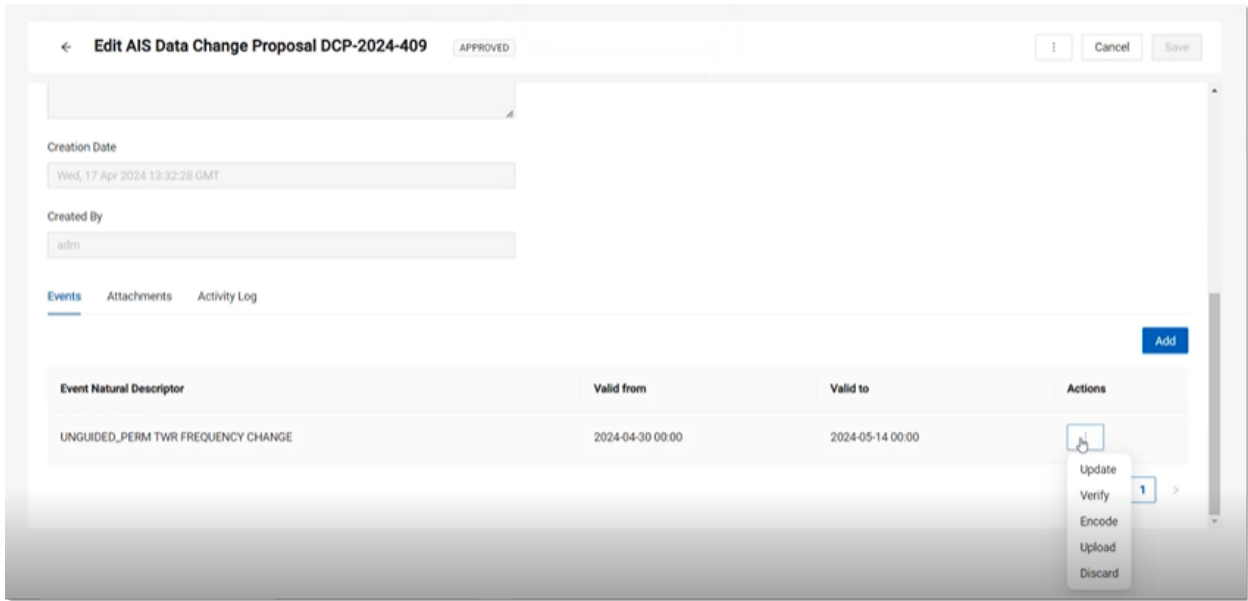
//BUG - cannot record screen : frozen

Demo video @26:27

And you may of course repeat the operations to create as many events as necessary.

i You can make good use of the **Parent** and **Cause** options to express some kind of hierarchy.

Actions



The **Actions** menu is available for every event, allowing you the following actions:

- [Update](#)
- [Verify](#)
- [Encode](#)
- [Upload](#)
- [Discard](#)

Update

This action recalls the *Edit* screen and allows you to make changes in a (limited) number of attributes (the others being locked by the system).

Verify

This actions triggers the verification of the data encoded in the event against the defined [Business Rules](#).

The **Verify** function generates a report, indicating any warnings and errors encountered during the process, that will be added to the [Attachments](#) documents from where it can be *downloaded* or *deleted*.

Encode

Brings you to the [AIS Data Explorer](#) to get the assistance of guided templates to enter the change data.

Upload

Allows you to upload files that contain data already encoded in AIXM format, to be directly imported in the Event.

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Discard

Deletes the corresponding Event and any data change it contains

6.2.2.3. Digital NOTAM Creation

i **Digital NOTAM** can be created in two ways:

- Via the **Data Change Proposals** application - see below
- Via the [Digital NOTAM Management](#) application.

In this specific usecase, you will start by creating the Data Change Proposal:

AIS Data Change Proposals Create

Object ID: Status: Subject: Description: Planned effective date from:

Until: Originator: Creation date: Created by: Reset

Object ID	Status	Subject	Description	Planned effective date from	Until	Originator	Creation date	Created by	Actions
DCP-2024-1082	RELEASE_PENDING	Locust - Performance test	Create Data Change Proposal with parameter plannedEffectiveDateTo	2025-02-02 23:59	2027-03-01 08:00	Avitech Bratislava 1 - Optional	2024-04-22 13:30:29	edtapp_avi_user	⋮
DCP-2024-1081	RELEASED	Locust - Performance test	Create Data Change Proposal with parameter plannedEffectiveDateTo	2025-02-02 23:59	2027-03-01 08:00	Avitech Bratislava 1 - Optional	2024-04-22 13:30:22	edtapp_avi_user	⋮

Create AIS Data Change Proposal Cancel Save

* Subject:

Originator:

* Interpretation: Permanent Temporary

* Valid From:

* Description:

Next from the **Edit** mode ...

View AIS Data Change Proposal DCP-2024-1085 PROPOSED ⋮ Edit

* Subject:

Originator:

... Set the DCP to status APPROVED:

Edit AIS Data Change Proposal DCP-2024-1085 Cancel Save

✔ AIS Data Change Proposal was successfully created.

* Subject:

Originator:

⋮ Approve View

You will now create the Event - star by selecting a scenario from the list (excepted UNGUIDED_PERM or UNGUIDED_TEMP):

← Create Event undefined Select existing event Cancel Create

* Name: MBO Parent Event:

* Designator: MBO Cause Event:

* Scenario: AD.LIM

Version: 2.0

* NOF:

Designate a *NOTAM Office* in the **NOF** field:

← Create Event undefined Select existing event Cancel **Create**

* Scenario: AD.LIM

Version: 2.0

* NOF: LKPR

* Valid From: 2024-04-23 00:00 * Valid To: 2024-05-07 00:00 EST

Activity:

Summary

Complete the **form** then click on the **Create** button:

← Create Event undefined Select existing event Cancel **Create**

* Name: MBO Parent Event:

* Designator: MBO Cause Event:

* Scenario: AD.LIM

Version: 2.0

* NOF: LKPR

* Valid From: 2024-04-23 00:00 * Valid To: 2024-05-07 00:00 EST

In the *Events* tab, select the **Encode** command related with the just created event:

← Edit AIS Data Change Proposal DCP-2024-1085 APPROVED

Event was successfully created

Creation Date: Mon, 22 Apr 2024 13:30:47 GMT

Created By: adm

Events Attachments Activity Log

Add

Event Natural Descriptor	Valid from	Valid to	Actions
AD.LIM MBO	2024-04-23 00:00	2024-05-07 00:00	<ul style="list-style-type: none"> Update Verify Enable Discard

This will redirect you to the **Digital NOTAM Management** application:

Digital NOTAM Management Effective Date: 2024-04-22 00:00 → 2024-05-06 00:00 Date Range

Create

Natural Descriptor: [Input] Reset

Released Planned All

Activity	Title	Proc. Status	Actions
●	AD.LIM EDMK KEMPTEN-DURACH	Released	
●	AD.CLS LZNZ NOVE ZAMKY	Released	
●	SAA NEW TSA RR	Planned	
●	SAA.NEW D DD	Released	
●	SAA.NEW D DD	Released	
●	AD.CLS CZST STEWART	Released	
●	AD.LIM MBO	Planned	

AIRPORT/HELIPORT LIMITATION (AD.LIM)

Airport / Heliport: [Input]

Start Time: 2024-04-23 00:00 End Time: 2024-05-07 00:00 EST

Schedule: None Daily Dates Weekdays Weekdays range

Limitation Type: Select

ICAO NOTAM Preview

NOTAM
Q) ???/??/??/??/??/??/??
A) ?? B) 2404230000 C) ??
E) ??

Close Verify Save

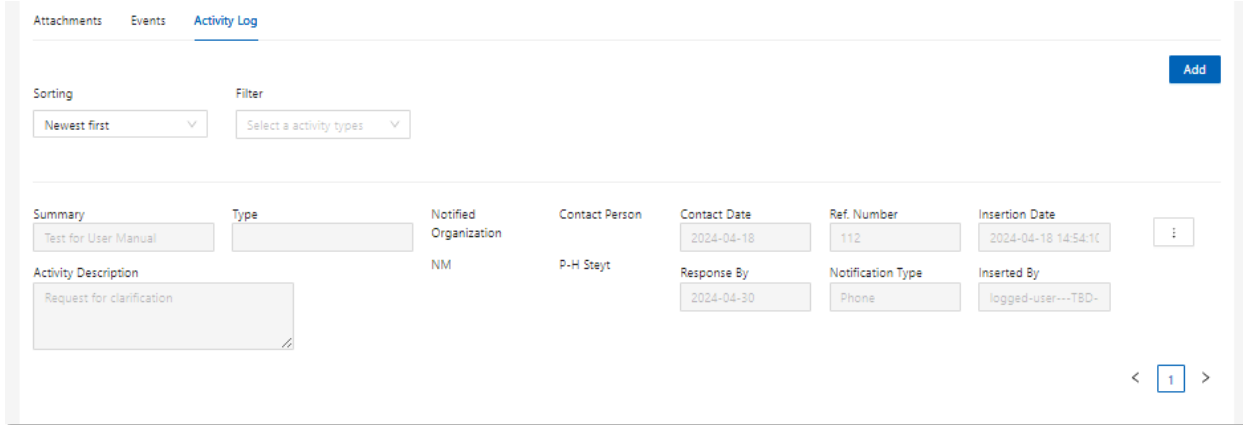
The form is already prefilled with initial data coming from the DCP. Complete the form and **Save** the data.



Please refer to the [Create Digital NOTAM](#) chapter for a description of the rest of the procedure.

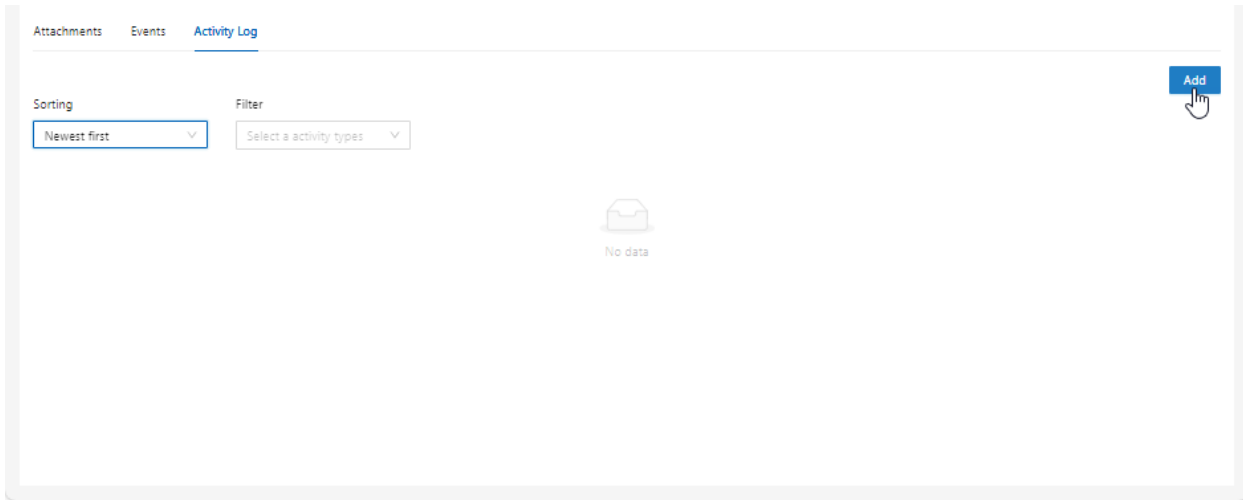
6.2.2.4. Activity Log

The **Activity Log** tabs serves to store all information exchanges that take place around a given DCP - a bit like a messaging or commenting app.



Edit

The *Edit* mode allows you to **Add** new records:



Fill in the form as relevant:

Create Activity Log Record

* Summary

* Organization

* Contact Person

Type

Search types

* Activity Description

Normal | B | I | U | G | " | ' | X₂ | X' | A | W

Sans Serif | = | ≡ | ≡ | ≡ | ≡ | ≡ | ≡ | ≡ | ≡ | ≡ | ≡

Contact Date

Select date

Response By

Select date

Ref. Number

Notification Type

Choose

Click or drag file to this area to upload

Support for a single or bulk upload. Strictly prohibit from uploading company data or other band files

Save | Cancel

Add

- **Summary**
- **Organization**
- **Contact Person**
- **Type:** Select an *Activity type* present in the list, or create your own
- **Activity Description**
- **Contact Date**
- **Response By**
- **Ref. Number**
- **Notification Type:** Select between *E-mail, Phone, Letter* or *Other*
- **Attachments**

... Then click on the **Save** button:

Attachments Events **Activity Log**

[Add](#)

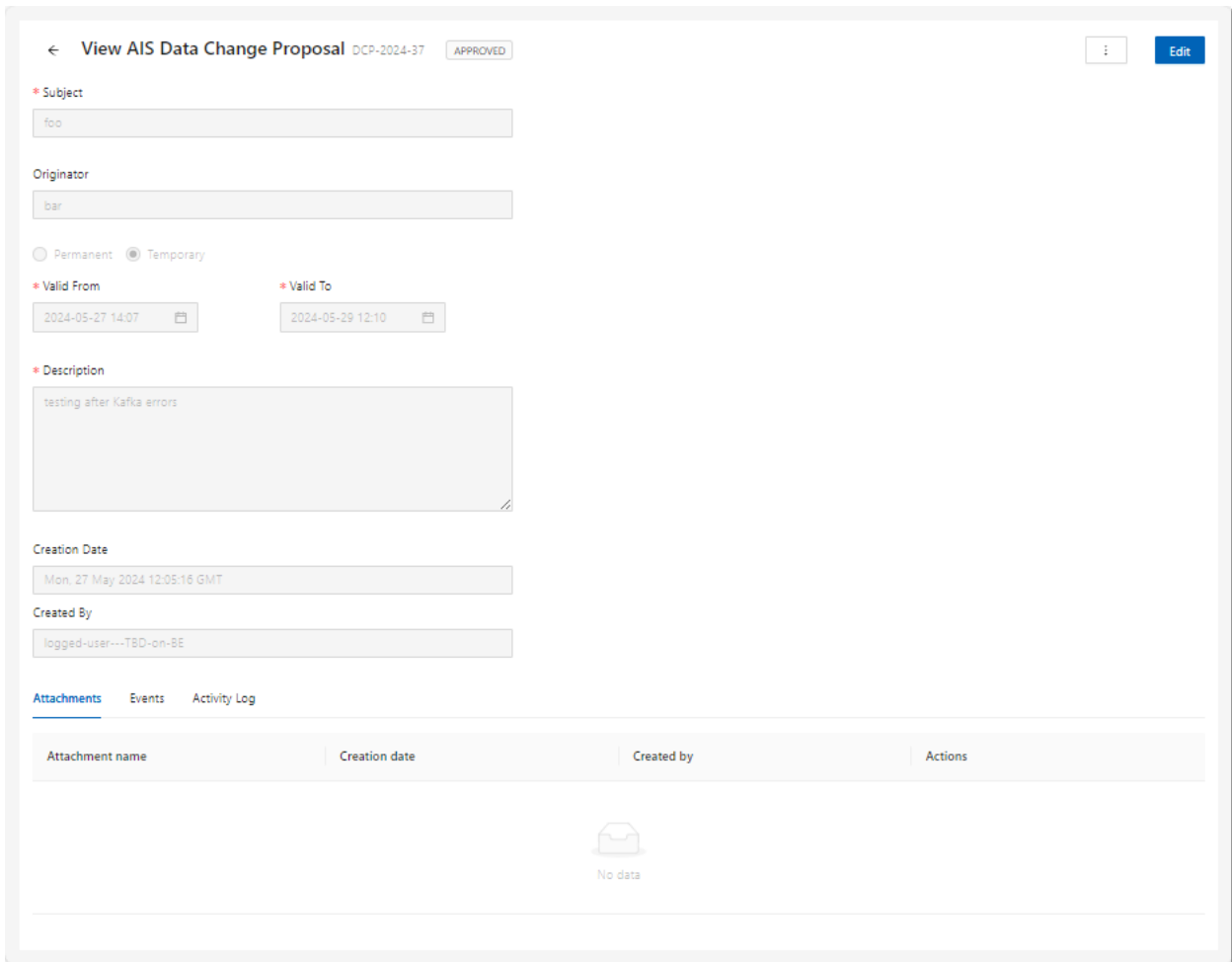
Sorting: Newest first | Filter: Select a activity types

Summary	Type	Notified Organization	Contact Person	Contact Date	Ref. Number	Insertion Date	
Another Test for User Manua		UB4	Yannick Lono	2024-04-18	112	2024-04-18 14:58:51	⋮
Activity Description				Response By	Notification Type	Inserted By	
Request for meeting					E-mail	logged-user---TBD-	
Summary	Type	Notified Organization	Contact Person	Contact Date	Ref. Number	Insertion Date	
Test for User Manual		NM	P-H Steyt	2024-04-18	112	2024-04-18 14:54:11	⋮
Activity Description				Response By	Notification Type	Inserted By	
Request for clarification				2024-04-30	Phone	logged-user---TBD-	

< 1 >

6.2.3. View AIS Data Change Proposal

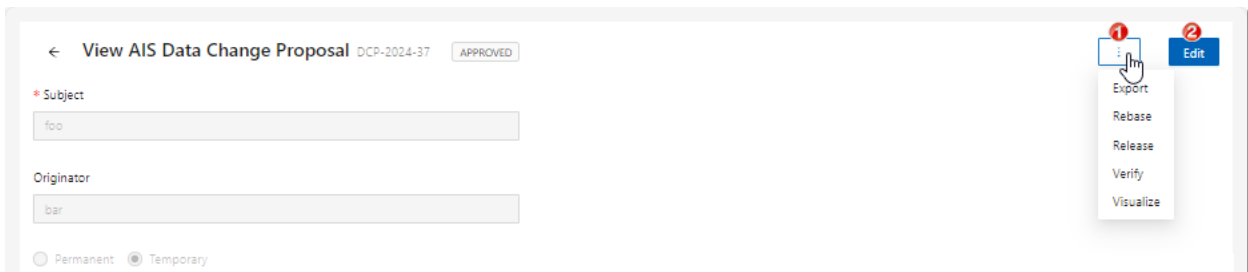
The **View AIS Data Change Proposal** window primarily serves to display the detail and status of the selected DCP:



Three tabs are featured at the bottom of the screen - their functions are described in the **Create AIS Data Change Proposal** chapter:

1. [Attachments](#)
2. [Events](#)
3. [Activity Log](#)

From here, you can also perform the following actions:



1. The **Actions** menu lists the following commands:
 - a. **Export:** //DEF
 - b. **Rebase:** Used to rebase your branch to the current date
 - c. **Release:** //DEF
 - d. **Verify:** Checks your DCP against the Business Rules

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- e. **Visualize**: Opens a standalone [Map](#) view displaying the events associated to the DCP
2. The **Edit** button enables the Edit mode, as described in the [Edit AIS Data Change Proposal](#) chapter.

6.2.4. Edit AIS Data Change Proposal

The **Edit** mode enables you to make changes to the Change proposal description and data, manage associated events, and perform specific actions.

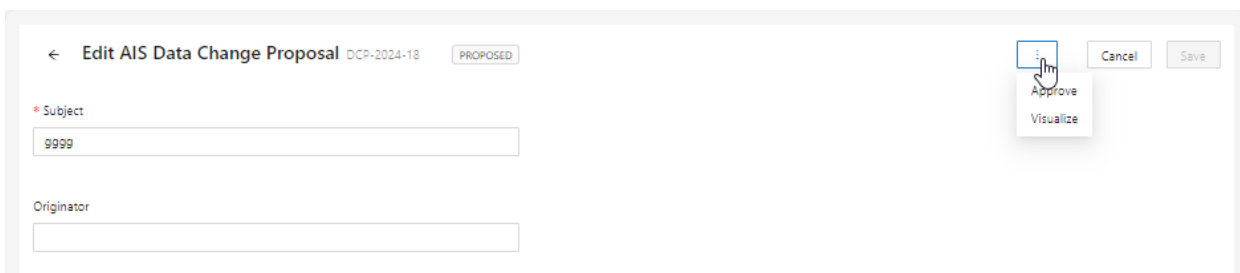
The functions and attributes are the same as the one described in the [Create AIS Data Change Proposal](#) chapter.

Actions

The possible **Actions** will vary according to the Change Proposal status:

- [Propose](#)
- [Approved](#)

Actions - Status PROPOSE



The screenshot shows a web interface for editing an AIS Data Change Proposal. The title bar reads 'Edit AIS Data Change Proposal DCP-2024-18' with a 'PROPOSED' status indicator. The form contains a 'Subject' field with the value '9999' and an 'Originator' field. A context menu is open over the 'iNM' icon, showing 'Approve' and 'Visualize' options. 'Cancel' and 'Save' buttons are also visible.

In here, you can make changes to any field that is not read-only, as well as perform one of the following actions:

- [Approve](#)
- [Visualize](#)

Approve

The selected Change Proposal changes status, and the form refreshes to allow you the creation of another new event - or the edition of an existing one:

← Create Event ✔ Change Proposal was approved successfully. Select existing event Cancel Create

* Name Parent Event

* Designator Cause Event

* Scenario

Version

* Valid From Valid To

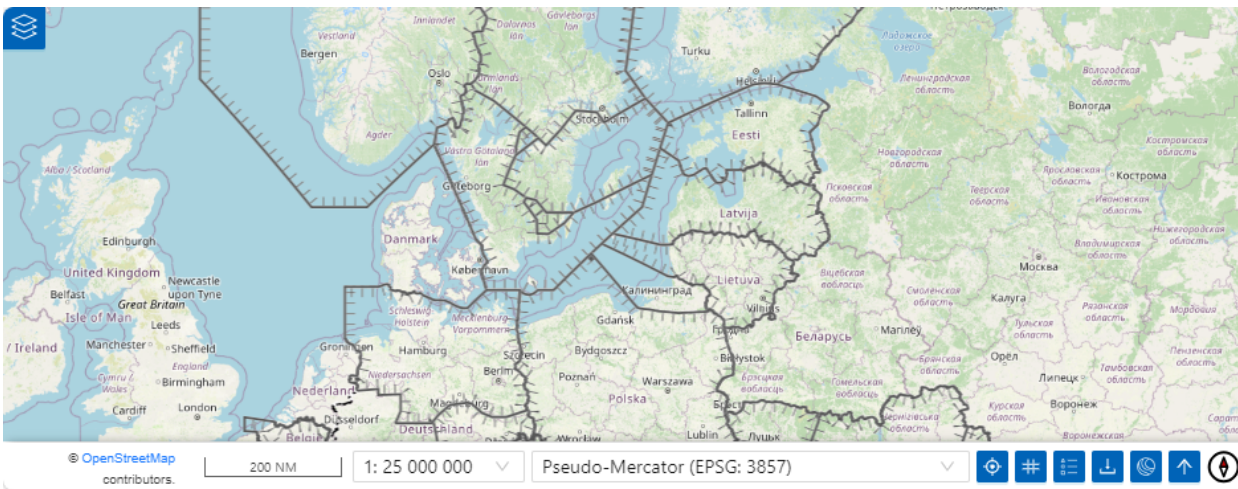
Activity

Summary

[Event features](#) [AIS Products](#)

Visualize

The **Visualize** action launches the Map view:



i Please refer to the [Map View](#) chapter for detailed information.

The **Cancel** and **Save** buttons //DEF

Actions - Status APPROVED

← Edit AIS Data Change Proposal DCP-2024-29 APPROVED

* Subject
NOTAMN ADLIM

Originator

Permanent Temporary

* Valid From 2024-04-16 14:30

* Valid To 2024-04-26 14:30

Cancel Save


- Export
- Rebase
- Release
- Verify
- Visualize

In here, you can make changes to any field that is not read-only, as well as perform one of the following actions:

- **Export:** Exports the dataset and all the changes that were encoded or uploaded for the concerned Data Change Proposal and adds it to the [Attachments](#) documents.
- **Rebase:** Used when you have been working on an "open" (yet unsaved) Change Proposal for a long time and want to make sure to embark the latest version of the operational data.
- **Release:** After an automated *Verify* routine (see below), releases all the content of the Change Proposal data branch in to the operational data.
- **Verify:** Generates a report for all the events contained in the Change Proposal, indicating any warnings and errors encountered during the process, that will be added to the [Attachments](#) documents from where it can be *downloaded* or *deleted*.
- **Visualize:** Launches the [Map View](#) for the corresponding data.

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EAD User Guide		

6.4. AIS Digital Data Sets

 Is this for W1 ?

6.5. Data Set Extraction Rule Management



The **Data Set Extraction Rule Management** is part of a set of 4 closely related applications all aimed at issuing datasets to fit any given purpose:

- [Data Set Extraction Rule Management](#)
- [AIS Report Template Management](#)
- [AIS Data Subscription Management](#)
- [AIS Data Generation History](#)

AIS Data Set Extraction Rule Management Create

Filter
Filter Extraction Rules

ID	Object ID	Extraction Rule Name	Status	Creation Time	Created By	Update Time	Updated By	Actions
66277d2b49290a6933d92bbd	EXR-2024-1331	AUTOMATION TEST - cxezpgjto	<input checked="" type="checkbox"/>	2024-04-23 09:19:39	SHIRLEY Anna (USER_2)	2024-04-23 10:56:40	USER Retrieval (default_retrieval_user)	
66277d2b49290a6933d92bb0	EXR-2024-1332	AUTOMATION TEST - anwfwlcmfh	<input type="checkbox"/>	2024-04-23 09:19:39	SHIRLEY Anna (USER_2)	2024-04-23 10:46:49	USER Retrieval (default_retrieval_user)	
66277d2b49290a6933d92bb7	EXR-2024-1329	AUTOMATION TEST - mwelmmgrix	<input type="checkbox"/>	2024-04-23 09:19:38	SHIRLEY Anna (USER_2)	2024-04-23 10:46:49	USER Retrieval (default_retrieval_user)	
66277d2b49290a6933d92bba	EXR-2024-1330	AUTOMATION TEST - dnvrlhtbr	<input checked="" type="checkbox"/>	2024-04-23 09:19:38	SHIRLEY Anna (USER_2)	N/A	N/A	
66277cf049290a6933d92bb4	EXR-2024-1328	AUTOMATION TEST - lgzmlalmno	<input checked="" type="checkbox"/>	2024-04-23 09:18:40	SHIRLEY Anna (USER_2)	N/A	N/A	
66277cef49290a6933d92bae	EXR-2024-1326	AUTOMATION TEST - kbbdqsvrf	<input checked="" type="checkbox"/>	2024-04-23 09:18:39	SHIRLEY Anna (USER_2)	N/A	N/A	
66277cef49290a6933d92bb1	EXR-2024-1327	AUTOMATION TEST - rrvmpphaecj	<input checked="" type="checkbox"/>	2024-04-23 09:18:39	SHIRLEY Anna (USER_2)	N/A	N/A	
66277cee49290a6933d92bab	EXR-2024-1325	AUTOMATION TEST - jpyyypbjtf	<input checked="" type="checkbox"/>	2024-04-23 09:18:38	SHIRLEY Anna (USER_2)	N/A	N/A	
6627759b49290a6933d92ba0	EXR-2024-1324	TFR-test	<input checked="" type="checkbox"/>	2024-04-23 08:47:23	USER demo (demouser)	2024-04-23 10:51:54	PIDA david (dpi)	
662764749290a6933d92b9b	EXR-2024-1323	AUTOMATION TEST - hrxilvjbyv - Updated	<input checked="" type="checkbox"/>	2024-04-23 07:34:18	USER Retrieval (default_retrieval_user)	2024-04-23 10:52:23	PIDA david (dpi)	

1 - 10 of 1311 items 2 3 4 5 ... 132 > 10 / page

The purpose of this application is to assist you in exporting raw data in AIXM format, based on specific conditions and filters that will define the content of the dataset.

The main screen essentially consists in a **Table** of already existing extraction rules, that you can [filter and sort](#) - as well as a **Create** button to [initiate the creation process](#):

The table displays basic information:

- ID
- Object ID
- Extraction Rule Name
- **Status:** Toggle switch that allows you to *Activate* or *Deactivate* the corresponding extraction rule
- Creation Time
- Created By
- Update Time
- Updated By

Actions

AIS Data Set Extraction Rule Management 1 Create

Filter
Filter Extraction Rules

ID	Object ID	Extraction Rule Name	Status	Creation Time	Created By	Update Time	Updated By	Actions
6627a32e49290a933d92c01	EXR-2024-1333	Test Name	<input checked="" type="checkbox"/>	2024-04-23 12:01:50	USER Retrieval (default_retrieval_user)	N/A	N/A	
66277d2b49290a933d92b0d	EXR-2024-1331	AUTOMATION TEST - cxezpggto	<input checked="" type="checkbox"/>	2024-04-23 09:19:39	SHIRLEY Anna (USER_2)	2024-04-23 10:56:40	USER Retrieval (default_retrieval_user)	2 View
66277d2b49290a933d92b0e	EXR-2024-1332	AUTOMATION TEST - anwalcmfh	<input type="checkbox"/>	2024-04-23 09:19:39	SHIRLEY Anna (USER_2)	2024-04-23 10:46:49	USER Retrieval (default_retrieval_user)	3 Edit
66277d2a49290a933d92b07	EXR-2024-1329	AUTOMATION TEST - nwekmmgmk	<input type="checkbox"/>	2024-04-23 09:19:38	SHIRLEY Anna (USER_2)	2024-04-23 10:46:49	USER Retrieval (default_retrieval_user)	4 Copy
66277d2a49290a933d92b0a	EXR-2024-1330	AUTOMATION TEST - dnvhitbtr	<input checked="" type="checkbox"/>	2024-04-23 09:19:38	SHIRLEY Anna (USER_2)	N/A	N/A	5 Delete
								<input type="text"/>

1. [Create](#)
2. [View](#)
3. [Edit](#)
4. [Copy](#)
5. [Delete](#)

6.5.1. Create

You start the creation of a New Extraction Rule by providing these two elements:

- **Extraction Rule Name** (mandatory)
- **Status**

The other attributes are divided in 7 tabs that are individually described in their respective chapters:

- [General](#)
- [Feature Types](#)
- [Feature Occurrence](#)
- [Spatial](#)
- [Data Provider](#)
- [Visibility](#)

Save

When all the parameters have been set, you can click on the **Save** button:

The newly created Extraction Rule is now added to the list:

AIS Data Set Extraction Rule Management Create

Filter
Filter Extraction Rules

ID	Object ID	Extraction Rule Name	Status	Creation Time	Created By	Update Time	Updated By	Actions
6627a32e49290a6933d92c01	EXR-2024-1333	Test Name	<input type="checkbox"/>	2024-04-23 12:01:50	USER Retrieval (default_retrieval_user)	N/A	N/A	
66277d2b49290a6933d92b6d	EXR-2024-1331	AUTOMATION TEST - cwezpjgpto	<input checked="" type="checkbox"/>	2024-04-23 09:19:39	SHIRLEY Anna (USER_2)	2024-04-23 10:56:40	USER Retrieval (default_retrieval_user)	
66277d2b49290a6933d92bc0	EXR-2024-1332	AUTOMATION TEST - anwfwcmfth	<input type="checkbox"/>	2024-04-23 09:19:39	SHIRLEY Anna (USER_2)	2024-04-23 10:46:49	USER Retrieval (default_retrieval_user)	
66277d2b49290a6933d92b67	EXR-2024-1329	AUTOMATION TEST - nwekmmqnik	<input type="checkbox"/>	2024-04-23 09:19:38	SHIRLEY Anna (USER_2)	2024-04-23 10:46:49	USER Retrieval (default_retrieval_user)	
66277d2b49290a6933d92bba	EXR-2024-1330	AUTOMATION TEST - dnvthttbr	<input checked="" type="checkbox"/>	2024-04-23 09:19:38	SHIRLEY Anna (USER_2)	N/A	N/A	
66277c1049290a6933d92bb4	EXR-2024-1328	AUTOMATION TEST - lgzmlalmno	<input checked="" type="checkbox"/>	2024-04-23 09:18:40	SHIRLEY Anna (USER_2)	N/A	N/A	
66277cef49290a6933d92bae	EXR-2024-1326	AUTOMATION TEST - kbbdqsvfi	<input checked="" type="checkbox"/>	2024-04-23 09:18:39	SHIRLEY Anna (USER_2)	N/A	N/A	
66277cef49290a6933d92bb1	EXR-2024-1327	AUTOMATION TEST - rmmphaeoj	<input checked="" type="checkbox"/>	2024-04-23 09:18:39	SHIRLEY Anna (USER_2)	N/A	N/A	
66277cee49290a6933d92bab	EXR-2024-1325	AUTOMATION TEST - jpytjyptjf	<input checked="" type="checkbox"/>	2024-04-23 09:18:38	SHIRLEY Anna (USER_2)	N/A	N/A	
6627759b49290a6933d92ba0	EXR-2024-1324	TFR test	<input type="checkbox"/>	2024-04-23 08:47:23	USER demo (demouser)	2024-04-23 11:15:23	USER Retrieval (default_retrieval_user)	

1 - 10 of 1312 items 1 2 3 4 5 ... 132 > 10 / page

6.5.1.1. General

Data Scope

Select one of the following:

- Released Data (selected by default): Data from the Operational Database:

The screenshot shows the 'Data Scope' configuration panel. The 'Data Scope' dropdown is set to 'Released Data'. The 'Data Branch' dropdown is set to 'Select'. The 'Data Type' dropdown is set to 'Original Data'. The panel includes tabs for 'General', 'Feature Types', 'Feature Occurrence', 'Spatial', 'Data Provider', 'Data Customization', and 'Visibility'.

- Branch Data Only: Allows you to base the extraction rule on a given eligible Data Branch:

The screenshot shows the 'Data Scope' configuration panel. The 'Data Scope' dropdown is set to 'Branch Data Only'. The 'Data Branch' dropdown is set to 'DCP-2024-11_TEST1 EXPORTU DAT 1'. The 'Data Type' dropdown is set to 'Original Data'. The panel includes tabs for 'General', 'Feature Types', 'Feature Occurrence', 'Spatial', 'Data Provider', 'Data Customization', and 'Visibility'.

- Merged Released and Branch Data: Combines the data from Operational data and from the selected branch:

The screenshot shows the 'Data Scope' configuration panel. The 'Data Scope' dropdown is set to 'Merged Released and Branch Data'. The 'Data Branch' dropdown is set to 'DCP-2024-11_TEST1 EXPORTU DAT 1'. The 'Data Type' dropdown is set to 'Original Data'. The panel includes tabs for 'General', 'Feature Types', 'Feature Occurrence', 'Spatial', 'Data Provider', 'Data Customization', and 'Visibility'.

Data Type

The screenshot shows the 'Data Type' configuration panel. The 'Data Type' dropdown is set to 'Original Data'. The panel includes tabs for 'General', 'Feature Types', 'Feature Occurrence', 'Spatial', 'Data Provider', 'Data Customization', and 'Visibility'. Below the tabs, there are fields for 'Data Scope', 'Data Branch', 'Permanent / Temporary Data', 'Effective Start Date', and 'Effective End Date'. There are also checkboxes for 'BASELINE' and 'PERMDELTA'.

This attribute is in relation with the **Resolution** concept (that is, [time slices](#) with a temporary fix applied):

- Original Data:** The normal export, without resolutions
- Original Data and Resolutions:** Combines original data with any resolutions that would have been proposed
- Original Data replaced by Resolutions:** *Original Data* associated to *Resolutions* is replaced by the corresponding resolutions

Permanent / Temporary Data

The screenshot shows the 'Permanent / Temporary Data' configuration panel. The dropdown is set to 'Only Permanent Data'. The panel includes fields for 'Effective Start Date' and 'Effective End Date'.

- Only Permanent Data:** Used to rule out data based on interpretation. Further splits in **BASELINE** and **PERMDELTA** filters that you can combine.
- Only Temporary Data:** Only includes temporary data. When selected, allows you to check the **Include Permanent BASELINE for Temporary Data** option.
- Permanent and Temporary Data:** Combines both and basically returns all data that is available.

Please refer to the [Temporality](#) chapter for further information.

Effective Start Date / Effective End Date

Please refer to the [Use Dates](#) chapter for further information.

Include Referenced Features

- **Include Referenced Features:** Toggle switch to include referenced features as falling under the *Reference Level* range
- **Reference Level:** Specify the extend of the reference level range, in order to narrow or extend the number of features directly referenced by the features selected in the [Feature Types](#) tab.

Include Natural Descriptor

Select to include the **Natural Descriptor** attribute in the export (as it is not part of the AIXM scheme)

The **Natural Descriptor** attribute can only be used in AIXM 5.1.1.

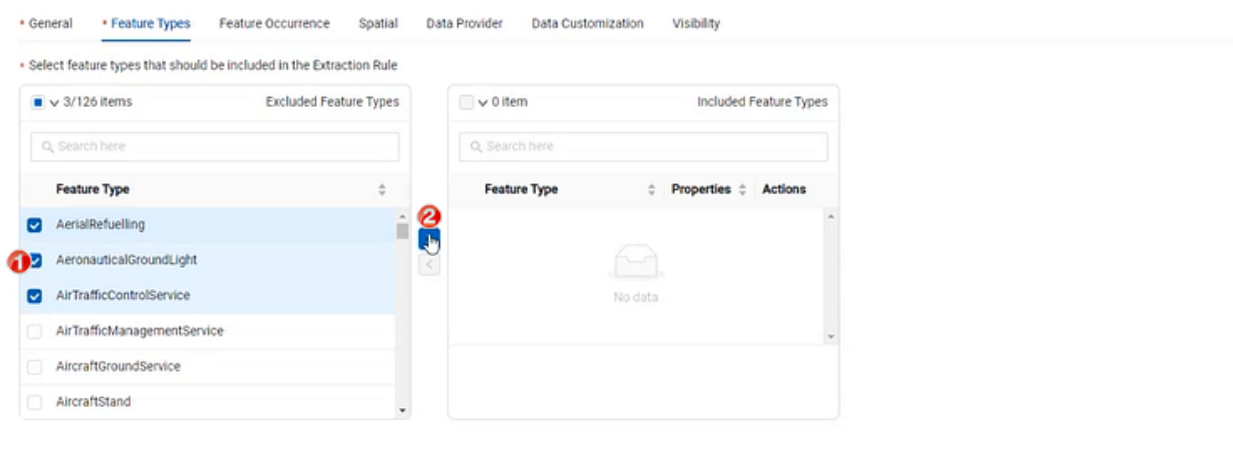
AIXM Version

Used to specify the AIXM version to be used for the export.

6.5.1.2. Feature Types

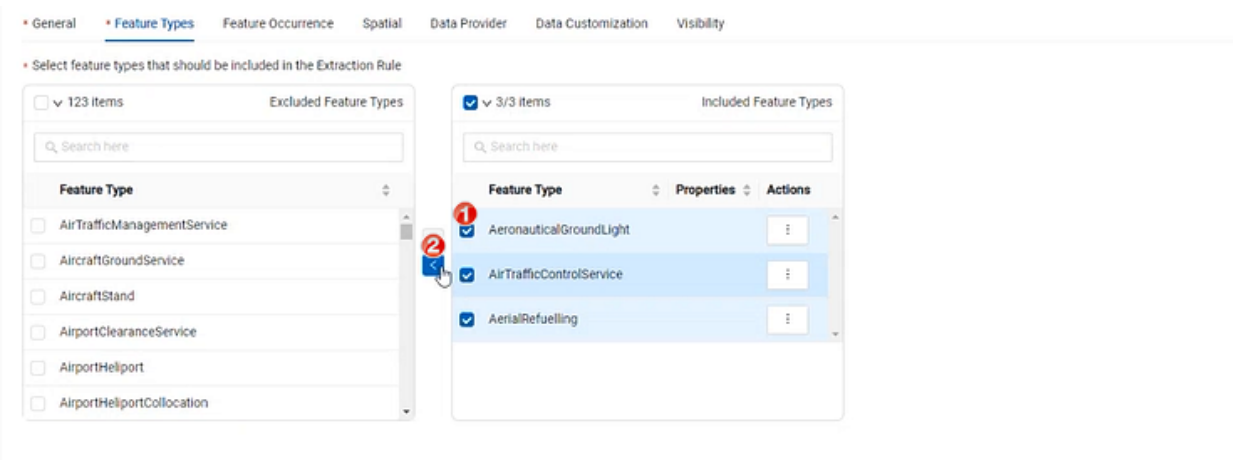
This is where you can manage (add or remove) the *Feature Types* to be included in the exported dataset:

Add items



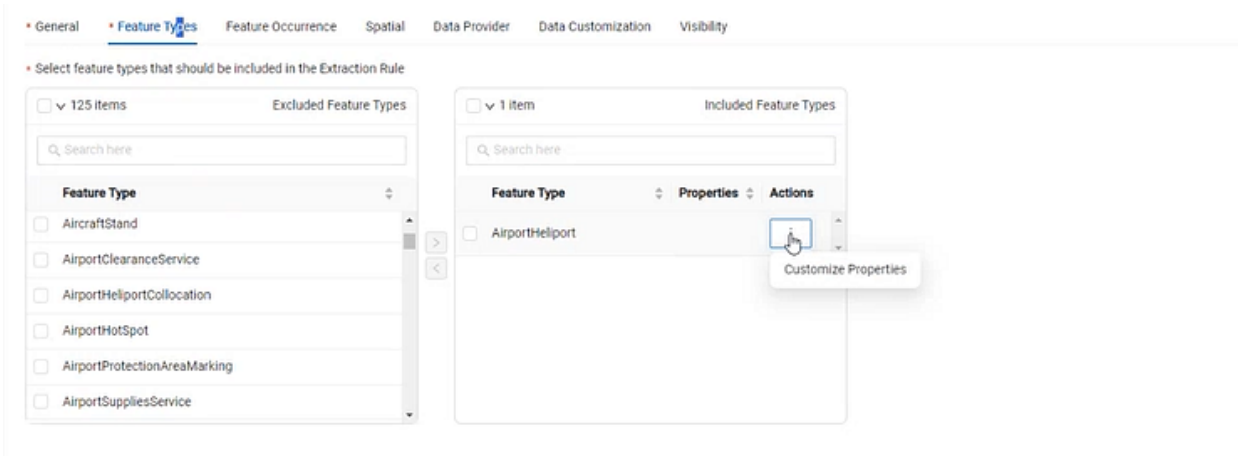
1. Select the features to be added in the *Excluded Feature Types* column,
2. Click on the **Move** button to add them to the *Included Feature Types* column.

Remove items

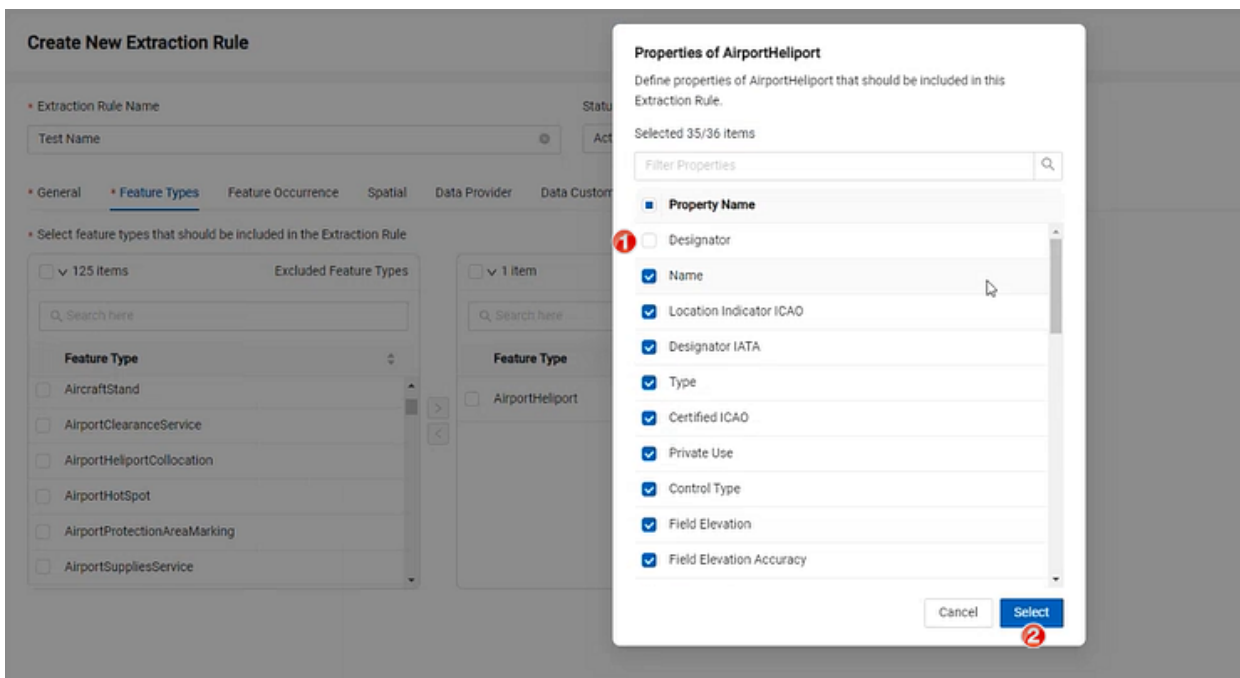


1. Select the features to be removed from the *Included Feature Types* column,
2. Click on the **Move** button to return them back to the *Excluded Feature Types* column.

Customize Properties



Select the **Customize Properties** command from the *Actions* menu to get the *Properties* of the concerned *Feature Type*:

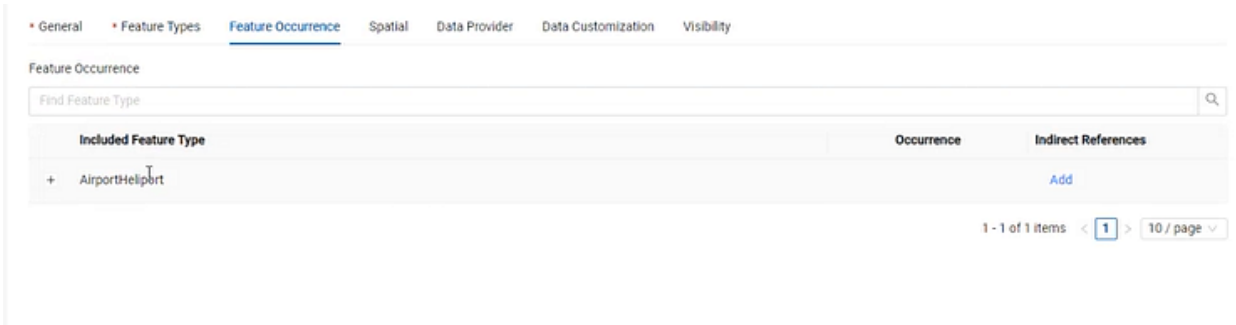


Use this component to indicate the properties that should be included in the *Extraction Rule* (all properties are selected by default):

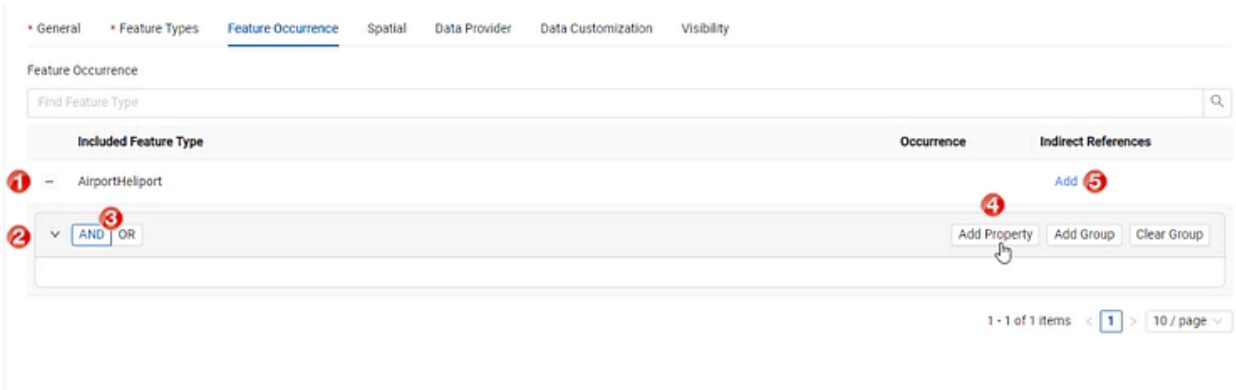
1. Select (or unselect) **Properties**,
2. Click on the **Select** button to save your changes.

6.5.1.3. Feature Occurrence

Lists all **Included Feature Types** as selected in the [Feature Types](#) tab:



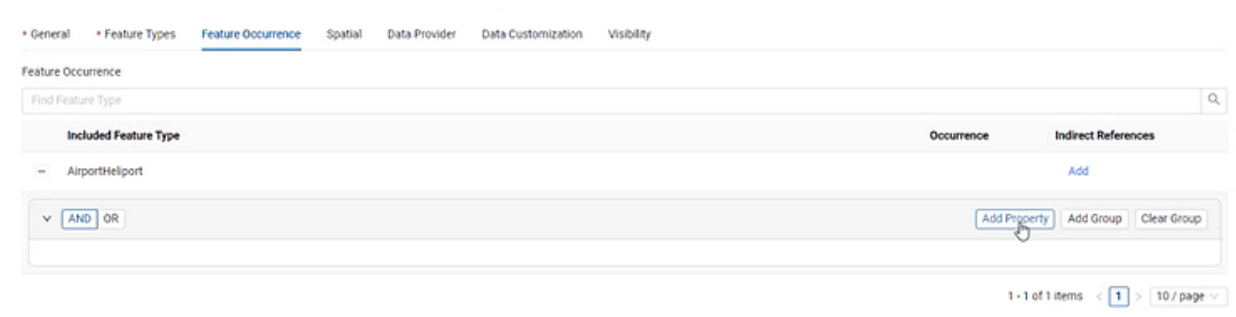
Use it as some sort of condition builder - or property filter- , allowing you to indicate on with property you cant to apply conditions and combine them to a complex expression:



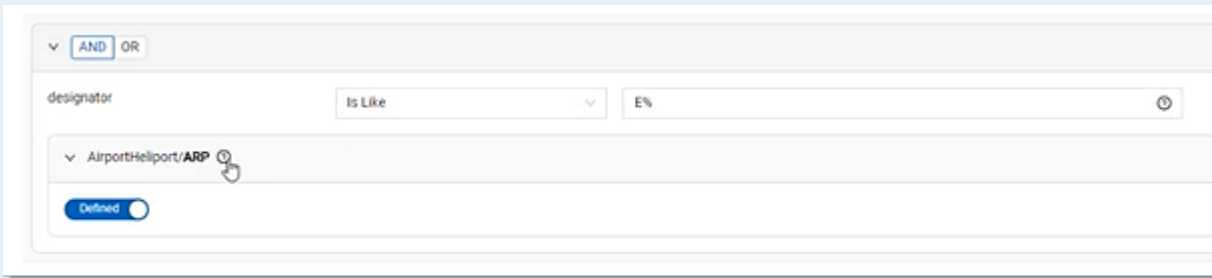
1. Expand the **Included Feature Type** you want to work with,
2. Expand the collapsed section,
3. Opt for an **AND** or **OR** condition,
4. Add a **Property** or a **Group** (the latter allowing you to pack multiple properties together),
5. Add optional [Indirect References](#).

Apply conditions on a Property

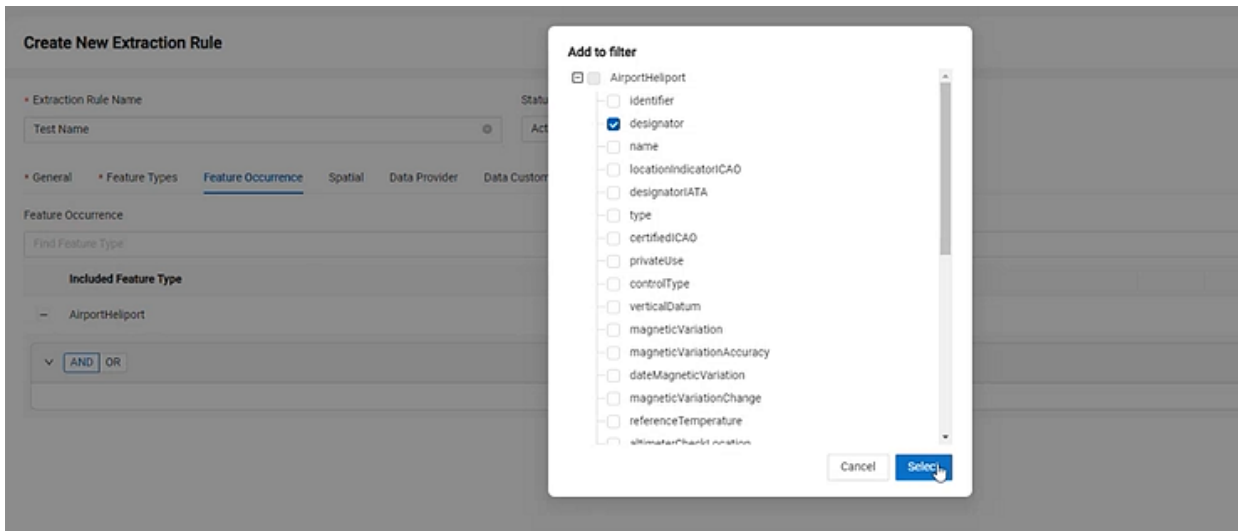
- Click on the **Add Property** button:



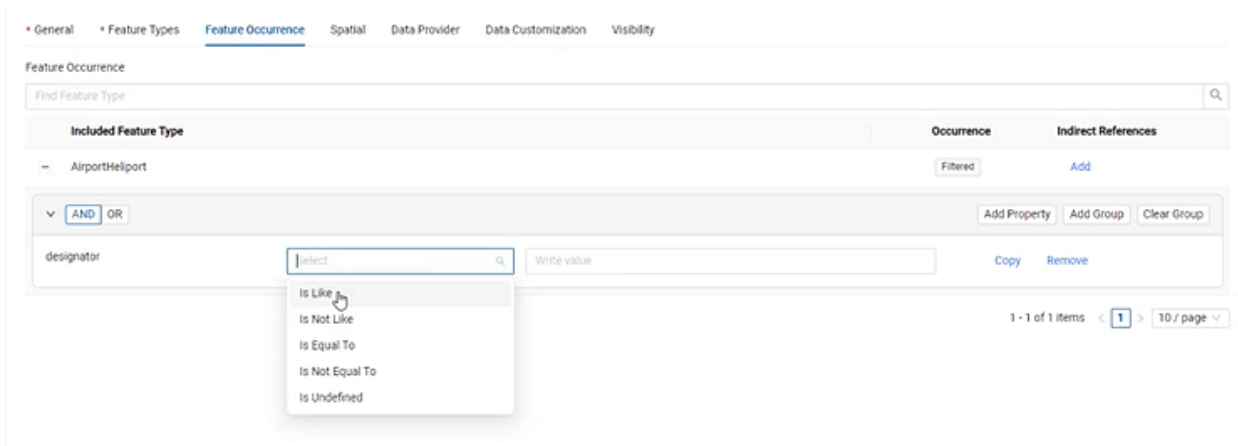
Complex properties (comprising sub-properties) feature an additional **Defined** toggle switch, to //DEF:



- Navigate to and select the **Property** to add to the filter:



- Select the appropriate **Operator** (which will vary in relation with the data type, i.e. *text, number, ...*)c



- Specify a value in the **Write Value** field:

• General • Feature Types **Feature Occurrence** Spatial Data Provider Data Customization Visibility

Feature Occurrence

Find Feature Type

Included Feature Type	Occurrence	Indirect References
- AirportHeliport	Filtered	Add

AND OR Add Property Add Group Clear Group

designator Is Like EN Copy Remove

1 - 1 of 1 items < 1 > 10 / page

i Wildcards are supported - please refer to the [Use Wildcards](#) chapter for information.

- Optionally include additional *Properties* or *Groups* and nest conditions to a maximum depth of 5 levels:

• General • Feature Types **Feature Occurrence** Spatial Data Provider Data Customization Visibility

Feature Occurrence

Find Feature Type

Included Feature Type	Occurrence	Indirect References
- AirportHeliport	Filtered	Add

AND OR Add Property Add Group Clear Group

designator Is Like EN Copy Remove

AND OR Add Property Add Group Remove Group

AND OR Add Property Add Group Remove Group

AND OR Add Property Add Group Remove Group

Max Depth is 5

Add Indirect References

- Click on the **Add** button:

• General • Feature Types **Feature Occurrence** Spatial Data Provider Data Customization Visibility

Feature Occurrence

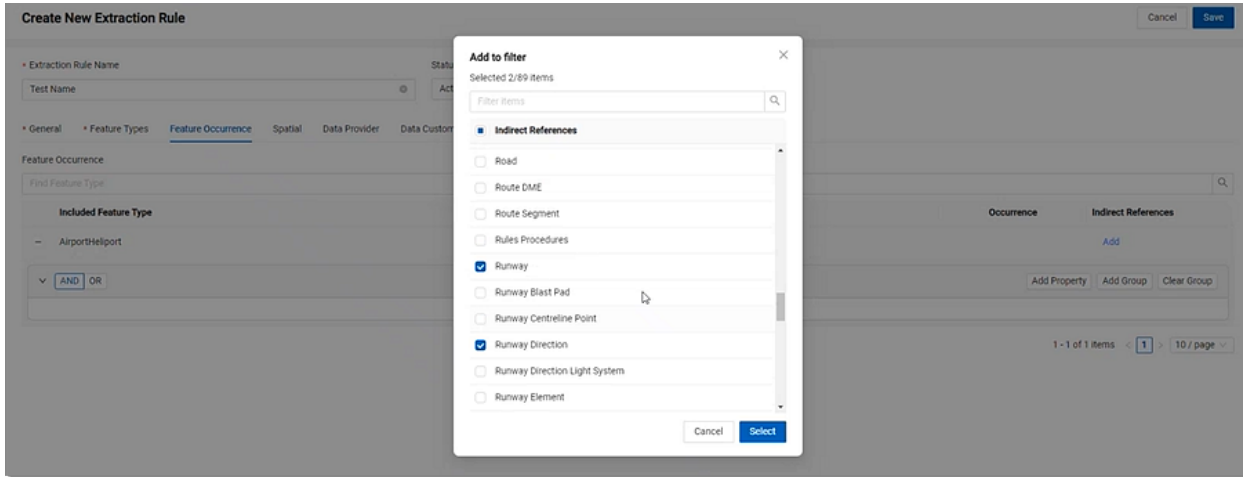
Find Feature Type

Included Feature Type	Occurrence	Indirect References
- AirportHeliport		Add

AND OR Add Property Add Group Clear Group

1 - 1 of 1 items < 1 > 10 / page

- Select from the predefined list based on the AIXM model for the concerned *Feature Type*, the **Indirect References** to be included in the exported dataset:



6.5.1.4. Spatial

You will use the **Spatial** tab to filter so as to only receive data based on a give area:

The screenshot shows the 'Define Geographical Area' interface with the 'Spatial' tab selected. The 'Feature' radio button is selected, and the 'Custom Geometry' radio button is unselected. The 'Spatial Operator' dropdown is set to 'Select'. The 'Logical Operator' is set to 'Or'. The 'Feature Type' dropdown is set to 'Select'. The 'Selected Features' list is empty, with a search bar and an 'Add' button. The 'Natural Descriptor' field is empty, and the 'Actions' button is visible. A 'No data' message is displayed at the bottom.

Define Geographical Area

The screenshot shows the 'Define Geographical Area' interface with the 'Spatial' tab selected. The 'Custom Geometry' radio button is selected, and the 'Feature' radio button is unselected. The 'Geometry Type' is set to 'Polygon'. The 'Spatial Operator' dropdown is set to 'Select'. The 'Polygon' section is expanded, showing four pairs of 'Latitude Point' and 'Longitude Point' input fields, each with a 'Write' button. An 'Add' button is located at the bottom.

Feature

When you select **Feature**, the Geometry data is the one present in the *Feature Type*

Custom Geometry

Select the **Custom Geometry** option to be able to enter your own

The screenshot shows the 'Define Geographical Area' interface with the 'Spatial' tab selected. The 'Custom Geometry' radio button is selected, and the 'Feature' radio button is unselected. The 'Geometry Type' is set to 'Polygon'. The 'Spatial Operator' dropdown is set to 'Select'. The 'Polygon' section is expanded, showing four pairs of 'Latitude Point' and 'Longitude Point' input fields, each with a 'Write' button. An 'Add' button is located at the bottom.

! For a **Polygon**, the first point and the last point **MUST** have exactly the same coordinates to form a closed path.

Spatial Operator

Selecting a **Spatial Operator**...

• General • Feature Types Feature Occurrence **Spatial** Data Provider Data Customization Visibility

Define Geographical Area

Feature Custom Geometry

Spatial Operator

Select

- Equals
- Within
- Intersects
- Contains
- Beyond
- DWithin
- Disjoint
- Touches

Natural Descriptor Actions

... will bring up additional specific attributes, for example:

• General • Feature Types Feature Occurrence **Spatial** Data Provider Data Customization Visibility

Define Geographical Area

Feature Custom Geometry

Spatial Operator Buffer Distance

Logical Operator

• General • Feature Types Feature Occurrence **Spatial** Data Provider Data Customization Visibility

Define Geographical Area

Feature Custom Geometry

Spatial Operator Buffer Distance

Logical Operator

Or And

Feature Type

List of all the **Feature Types** that can be filtered based on their own, inherited or calculated *Geometry* :

Feature Type

- AircraftStand
- AirportClearanceService
- AirportHeliport
- AirportHeliportCollocation
- AirportHotSpot
- AirportProtectionAreaMarking
- AirportSuppliesService
- Airspace**

Selected Features

Selected Features

Natural Descriptor Actions

FIR LOVV WIEN FIR

< 1 >

//DEF

Natural Descriptor

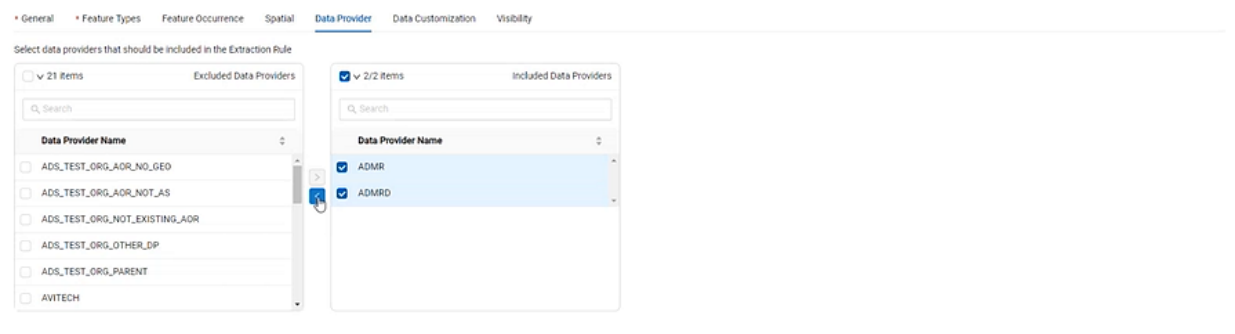
Natural Descriptor	Actions
FIR LOW WIEN FIR	Remove
RAS NZB477_A TAUPO MBZ	Remove
RAS CAJ9 FORT WARE	Remove

< 1 >

//DEF


6.5.1.5. Data Provider

This simple filter is based on the source of the data:

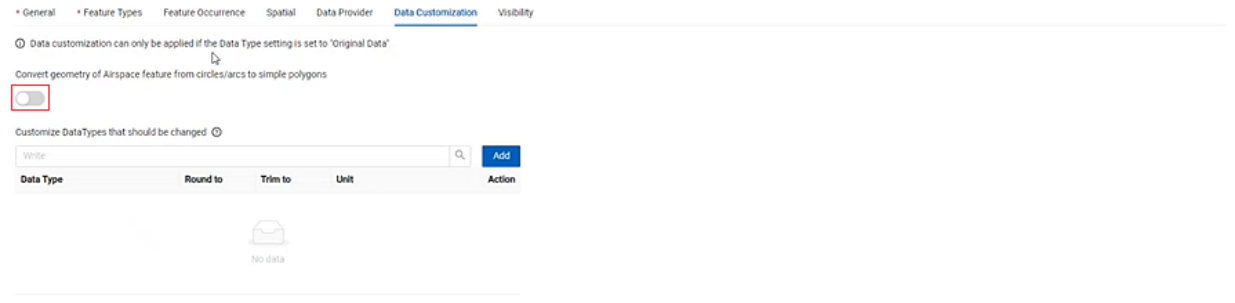


Select source(s) from the *left* column (**Excluded Data Providers**) and click on the right arrow button to move them to the *right* column (**Included Data Providers**) - or the other way round.

6.5.1.6. Data Customization

 This feature can only be applied to *Original Data*.

Set the toggle switch to **ON** to convert the geometry of Airspace feature from circle/arcs to simple polygons:



General Feature Types Feature Occurrence Spatial Data Provider **Data Customization** Visibility

Data customization can only be applied if the Data Type setting is set to "Original Data"

Convert geometry of Airspace feature from circles/arcs to simple polygons

Customize DataTypes that should be changed

Write

Data Type	Round to	Trim to	Unit	Action
No data				

Customize Data Types

Click on the **Add** button to get the list of all data types that are based on numbers, and where a round or trim action is relevant:

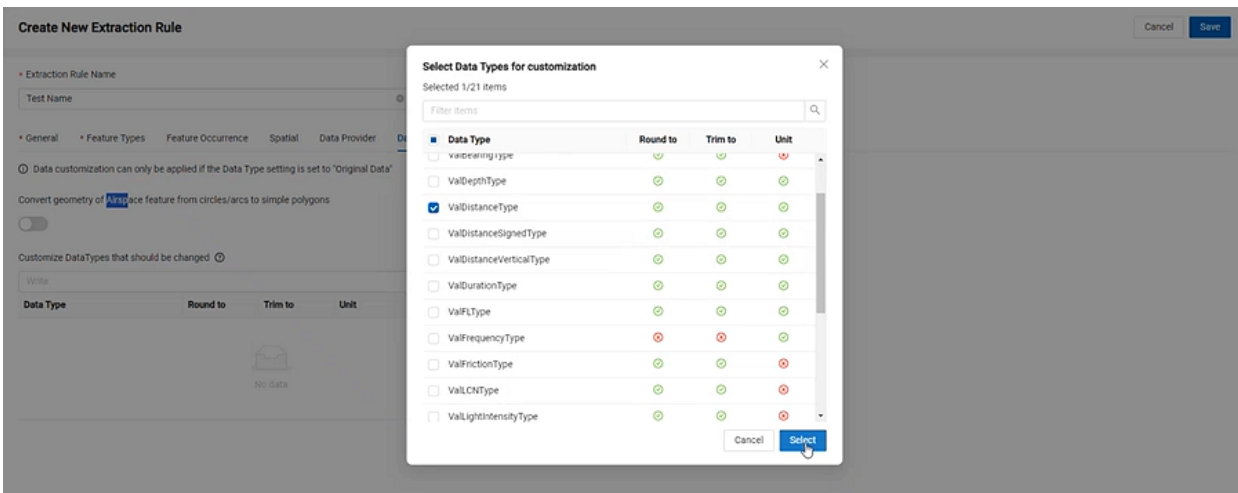


Customize DataTypes that should be changed

Write

Data Type	Round to	Trim to	Unit	Action
No data				

Select the **Data Type** you want to customize:



Create New Extraction Rule

Extraction Rule Name

Test Name

General Feature Types Feature Occurrence Spatial Data Provider **Data Customization** Visibility

Data customization can only be applied if the Data Type setting is set to "Original Data"

Convert geometry of Airspace feature from circles/arcs to simple polygons

Customize DataTypes that should be changed

Write

Data Type	Round to	Trim to	Unit	Action
No data				

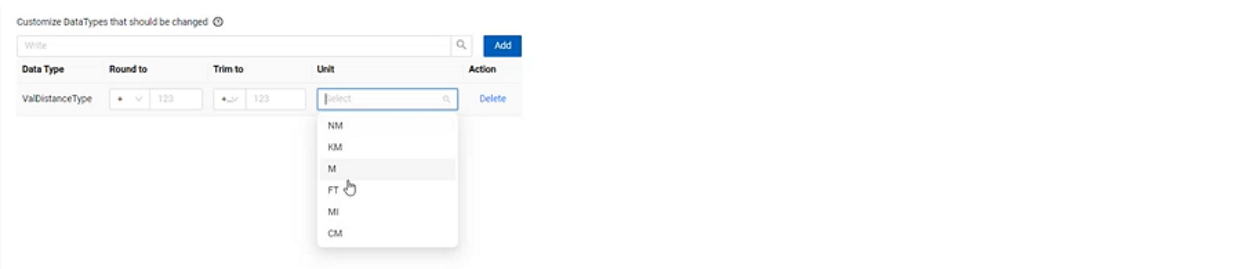
Select Data Types for customization

Selected 1/21 items

Filter items

Data Type	Round to	Trim to	Unit
<input type="checkbox"/> ValbearingType	✓	✓	✗
<input type="checkbox"/> ValDepthType	✓	✓	✓
<input checked="" type="checkbox"/> ValDistanceType	✓	✓	✓
<input type="checkbox"/> ValDistanceSignedType	✓	✓	✓
<input type="checkbox"/> ValDistanceVerticalType	✓	✓	✓
<input type="checkbox"/> ValDurationType	✓	✓	✓
<input type="checkbox"/> ValFLType	✓	✓	✓
<input type="checkbox"/> ValFrequencyType	✗	✗	✓
<input type="checkbox"/> ValFrictionType	✓	✓	✗
<input type="checkbox"/> ValLCNType	✓	✓	✗
<input type="checkbox"/> ValLightIntensityType	✓	✓	✗

Then specify how you want the data to be changed (rounded, trimmed or converted to another unit):



Customize DataTypes that should be changed

Write

Data Type	Round to	Trim to	Unit	Action
ValDistanceType	123	123	select	Delete

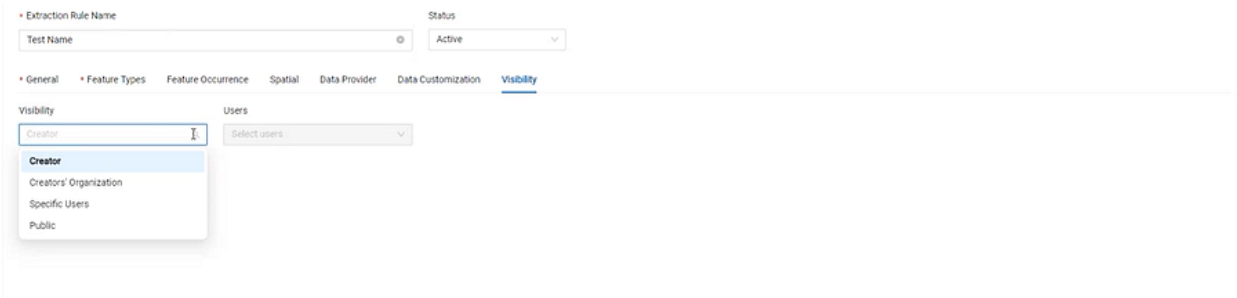
- NM
- KM
- M
- FT
- MI
- CM

You can use the tooltip for instructions:

The screenshot displays the 'Data Customization' tab of the EAD software. A tooltip is visible over the 'Round to' field, providing instructions: 'Enter the whole number to specify where numbers should be rounded or trimmed. Positive numbers represent places after the decimal point (e.g. 2 = 0.01), negative numbers represent places before the decimal point (e.g. -2 = 100). Only half-zero rounding is supported (e.g. 23.5 is rounded to 24 and -23.5 is rounded to -24)'. The interface includes a 'Test Name' field, a 'Status' dropdown set to 'Active', and a table for customizing data types. The table has columns for 'Data Type', 'Round to', 'Trim to', 'Unit', and 'Action'. One row is visible for 'ValDistanceType' with 'Round to' set to 123, 'Trim to' set to 123, and 'Unit' set to 'M'. There is also a 'Convert geometry of Airspace polygons' toggle and a 'Customize DataTypes that should be changed' section with a search and 'Add' button.

6.5.1.7. Visibility

The settings in the **Visibility** tab determine how will be able to see (and therefore, to use) the *Extraction Rule*:



The screenshot shows the configuration interface for an Extraction Rule. At the top, there is a field for 'Extraction Rule Name' containing 'Test Name' and a 'Status' dropdown set to 'Active'. Below this are several tabs: 'General', 'Feature Types', 'Feature Occurrence', 'Spatial', 'Data Provider', 'Data Customization', and 'Visibility'. The 'Visibility' tab is selected. Under 'Visibility', there is a 'Creator' dropdown menu that is open, showing options: 'Creator', 'Creators' Organization', 'Specific Users', and 'Public'. To the right of this is a 'Users' section with a 'Select users' dropdown.

- **Creator:** You will be the only one to view (and edit) the extraction rule,
- **Creator's Organization:** The members of your organization will see the extraction rule and use it for subscription and generation, but will not have the option to edit it,
- **Specific Users:** The list of users as defined in the Users field,
- **Public:** Any user from any organization will be able to view and use the extraction rule.

6.5.2. Edit

Edit Extraction Rule [Delete] [Cancel] [Save]

Extraction Rule Name: Test Name Status: Active

General | Feature Types | Feature Occurrence | Spatial | Data Provider | Data Customization | Visibility

Data Scope: Released Data

Permanent / Temporary Data: Only Permanent Data

BASELINE PERMDelta

Include Permanent BASELINE for Temporary Data

Include Referenced Features

Include Natural Descriptor

AIXM Version: AIXM 5.1.1

The **Edit** view is in most respect identical to the [Create](#) view, allowing to make changes to the selected Extraction Rule.

6.5.3. Copy

Create New Extraction Rule Cancel Save

Extraction Rule Name: Test Name_2 Status: Active

General | Feature Types | Feature Occurrence | Spatial | Data Provider | Data Customization | Visibility

Data Scope: Released Data Data Branch: Select Data Type: Original Data

Permanent / Temporary Data: Only Permanent Data Effective Start Date: YYYY-MM-DD HH:MM Effective End Date: YYYY-MM-DD HH:MM

BASELINE PERMDelta

Include Permanent BASELINE for Temporary Data

Include Referenced Features: Include Natural Descriptor:

AIXM Version: AIXM 5.1.1

The **Copy** function creates a clone of the selected Extraction Rule that you can edit and save with the changes (the **Extraction Rule Name** comes from the source rule and is appended by a suffix).

Please refer to the [Create](#) chapter for further information on the various attributes.

6.5.4. Delete

You can only delete the Extractions Rules upon which you have permission - basically, the ones that *you* created:

AIS Data Set Extraction Rule Management									Create
Filter									
Filter Extraction Rules <input type="text"/>									
ID	Object ID	Extraction Rule Name	Status	Creation Time	Created By	Update Time	Updated By	Actions	
6627a32e49290a6933492c01	EXR-2024-1333	Test Name	<input checked="" type="checkbox"/>	2024-04-23 12:01:50	USER Retrieval (default_retrieval_user)	N/A	N/A	⋮	
66277d2b49290a6933492bbd	EXR-2024-1331	AUTOMATION TEST - cvezpjgpto	<input checked="" type="checkbox"/>	2024-04-23 09:19:39	SHIRLEY Anna (USER_2)	2024-04-23 10:56:40	USER Retrieval (default_retrieval_user)	View Edit Copy Delete	
66277d2b49290a6933492bc0	EXR-2024-1332	AUTOMATION TEST - amwfwcmfh	<input type="checkbox"/>	2024-04-23 09:19:39	SHIRLEY Anna (USER_2)	2024-04-23 10:46:49	USER Retrieval (default_retrieval_user)	⋮	
66277d2b49290a6933492bb7	EXR-2024-1329	AUTOMATION TEST - nvekmmqnik	<input type="checkbox"/>	2024-04-23 09:19:38	SHIRLEY Anna (USER_2)	2024-04-23 10:46:49	USER Retrieval (default_retrieval_user)	⋮	
66277d2b49290a6933492bba	EXR-2024-1330	AUTOMATION TEST - drvthitbr	<input checked="" type="checkbox"/>	2024-04-23 09:19:38	SHIRLEY Anna (USER_2)	N/A	N/A	⋮	
66277cfd49290a6933492bb4	EXR-2024-1328	AUTOMATION TEST - lqzmlalmno	<input checked="" type="checkbox"/>	2024-04-23 09:18:40	SHIRLEY Anna (USER_2)	N/A	N/A	⋮	

6.6. AIS Report Template Management



The **AIS Report Template Management** is part of a set of 4 closely related applications all aimed at issuing datasets to fit any given purpose:

- [Data Set Extraction Rule Management](#)
- [AIS Report Template Management](#)
- [AIS Data Subscription Management](#)
- [AIS Data Generation History](#)

AIS Report Template Management [Create](#)

Report Template Type
Choose Type ▾

Filter
Filter AIS Report Templates 🔍

ID	Object ID	AIS Report Template Name	Type	Status	Creation Time	Created By	Update Time	Update By	Actions
66277d2b4d9a103c434ff7ea	RET-2024-576	AUTOMATION TEST - livgyygszr	CUSTOM	<input type="checkbox"/>	2024-04-23 09:19:39	SHIRLEY Anna (USER_2)	2024-04-23 11:53:10	USER Retrieval (default_retrieval_user)	⋮
66277d2b4d9a103c434ff7ed	RET-2024-577	AUTOMATION TEST - uaschektshu	CUSTOM	<input checked="" type="checkbox"/>	2024-04-23 09:19:39	SHIRLEY Anna (USER_2)	N/A	N/A	⋮
66277d2a4d9a103c434ff7e4	RET-2024-574	AUTOMATION TEST - tzvictjpl	CUSTOM	<input checked="" type="checkbox"/>	2024-04-23 09:19:38	SHIRLEY Anna (USER_2)	N/A	N/A	⋮
66277d2a4d9a103c434ff7e7	RET-2024-575	AUTOMATION TEST - cefmfrmdn	CUSTOM	<input type="checkbox"/>	2024-04-23 09:19:38	SHIRLEY Anna (USER_2)	2024-04-23 11:49:19	USER Retrieval (default_retrieval_user)	⋮
66277cfc4d9a103c434ff7de	RET-2024-572	AUTOMATION TEST - horufocwiv	CUSTOM	<input checked="" type="checkbox"/>	2024-04-23 09:18:40	SHIRLEY Anna (USER_2)	2024-04-23 11:49:21	USER Retrieval (default_retrieval_user)	⋮
66277cfc4d9a103c434ff7e1	RET-2024-573	AUTOMATION TEST - cdgqckroe	CUSTOM	<input checked="" type="checkbox"/>	2024-04-23 09:18:40	SHIRLEY Anna (USER_2)	N/A	N/A	⋮
66277cef4d9a103c434ff7db	RET-2024-571	AUTOMATION TEST - izdjobvro	CUSTOM	<input checked="" type="checkbox"/>	2024-04-23 09:18:39	SHIRLEY Anna (USER_2)	N/A	N/A	⋮
66277cee4d9a103c434ff7d8	RET-2024-570	AUTOMATION TEST - vkfprfoht	CUSTOM	<input checked="" type="checkbox"/>	2024-04-23 09:18:38	SHIRLEY Anna (USER_2)	N/A	N/A	⋮
6626ecab4d9a103c434ff7d5	RET-2024-569	AUTOMATION TEST - arfzjdrpn	CUSTOM	<input checked="" type="checkbox"/>	2024-04-22 23:03:07	USER Retrieval (default_retrieval_user)	N/A	N/A	⋮

//DEF

Actions

- [Create](#)

6.6.1. Create

Fill in the Create New AIS Report Template form - and click on the [Save](#) button when completed.

Report Type

The **Create New AIS Report Template** view is used to create two very distinct *Report Types*:

- [User Defined](#)
- [Custom](#)

User Defined

Apart from the **Report Type** selection mentioned above, the top section of the input form comprises the following fields:

- **Report Template Name:** The name that the report will get
- **Status:** //DEF
- **Template Description:** A short description for your template
- **Output Format:** Opt for *html* or *CSV*

In addition to the common fields (name, status, etc.) the user defined *Report Type* features four tabs:

- [Extraction Rule](#)

- [Report Content](#)
- [Formatting](#)
- [Visibility](#)

Extraction Rules

- Click on the **Add** button to add an entry in the *Extraction Rules* table:

The screenshot shows the 'Add' button in the 'Extraction Rules' table. The table is currently empty, displaying 'No data'.

- Tick the Extraction Rule(s) to link to the template then click on the **Select** button:

The screenshot shows the 'Select' button in the 'Extraction Rules' table. The table contains several rows of data, with the first row selected. The 'Select' button is highlighted in blue.

Object ID	Extraction Rule Name	Creation Time	Created By	Update Time	Updated By
<input checked="" type="checkbox"/>	EXR-2024-1333 Test Name	2024-04-23 12:01:50	USER Retrieval (default_retrieval_user)	N/A	N/A
<input type="checkbox"/>	EXR-2024-1331 AUTOMATION TEST - cwezpgjfo	2024-04-23 09:19:39	SHIRLEY Anna (USER_2)	2024-04-23 10:56:40	USER Retrieval (default_retrieval_user)
<input type="checkbox"/>	EXR-2024-1330 AUTOMATION TEST - dmrvhrtbr	2024-04-23 09:19:38	SHIRLEY Anna (USER_2)	N/A	N/A
<input type="checkbox"/>	EXR-2024-1328 AUTOMATION TEST - lgtmaainmo	2024-04-23 09:18:40	SHIRLEY Anna (USER_2)	N/A	N/A
<input type="checkbox"/>	EXR-2024-1326 AUTOMATION TEST - kbbdpsvrf	2024-04-23 09:18:39	SHIRLEY Anna (USER_2)	N/A	N/A
<input type="checkbox"/>	EXR-2024-1327 AUTOMATION TEST - rmmvmphaeoj	2024-04-23 09:18:39	SHIRLEY Anna (USER_2)	N/A	N/A
<input type="checkbox"/>	EXR-2024-1325 AUTOMATION TEST - jpybybjtj	2024-04-23 09:18:38	SHIRLEY Anna (USER_2)	N/A	N/A
<input type="checkbox"/>	EXR-2024-1323 AUTOMATION TEST - hrxiwjbvy - Updated	2024-04-23 07:34:18	USER Retrieval (default_retrieval_user)	2024-04-23 10:52:23	PIDA david (dpi)
<input type="checkbox"/>	EXR-2024-1321 AUTOMATION TEST - exvtpkytj	2024-04-23 07:20:32	USER Retrieval (default_retrieval_user)	N/A	N/A
<input type="checkbox"/>	EXR-2024-1322 AUTOMATION TEST - fnoiaklytc	2024-04-23 07:20:32	USER Retrieval (default_retrieval_user)	N/A	N/A

The selected rule is added to the list and eligible for the template:

The screenshot shows the 'Add' button in the 'Extraction Rules' table. The table now contains one row of data, which is highlighted in red. The 'Add' button is highlighted in blue.

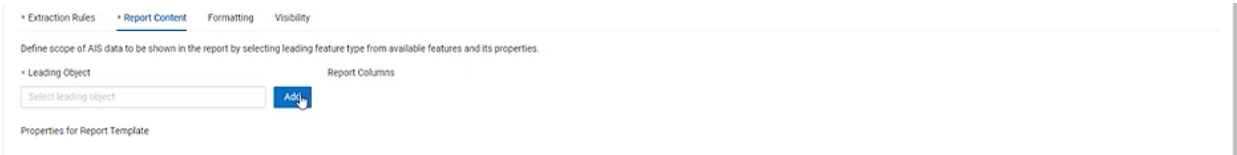
ID	Object ID	Name	Actions
6627a32e49290a9933092c01	EXR-2024-1333	Test Name	Remove

! Active report templates must have at least one extraction rule declared.

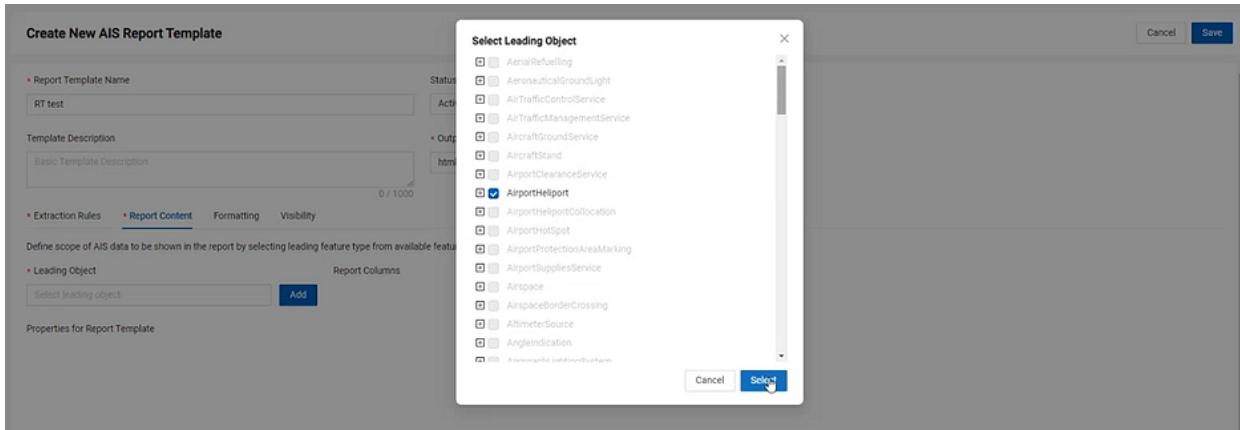
Report Content

As reference between objects can be multiple and crossed, this is where you can select the feature that will be the leading object in the results table.

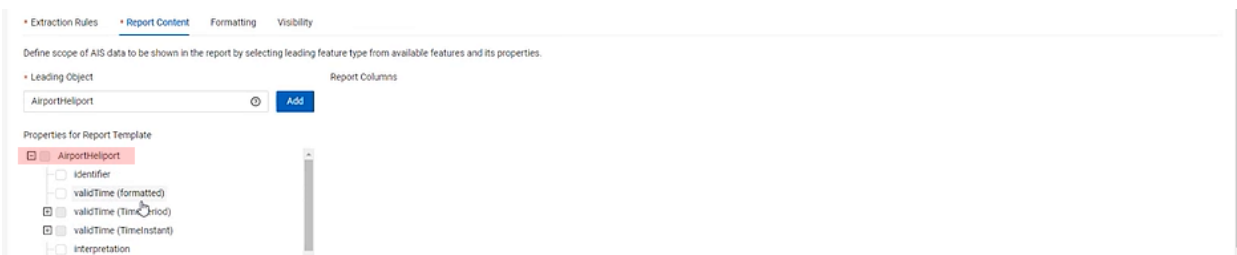
- Start with a click on the **Add** button:



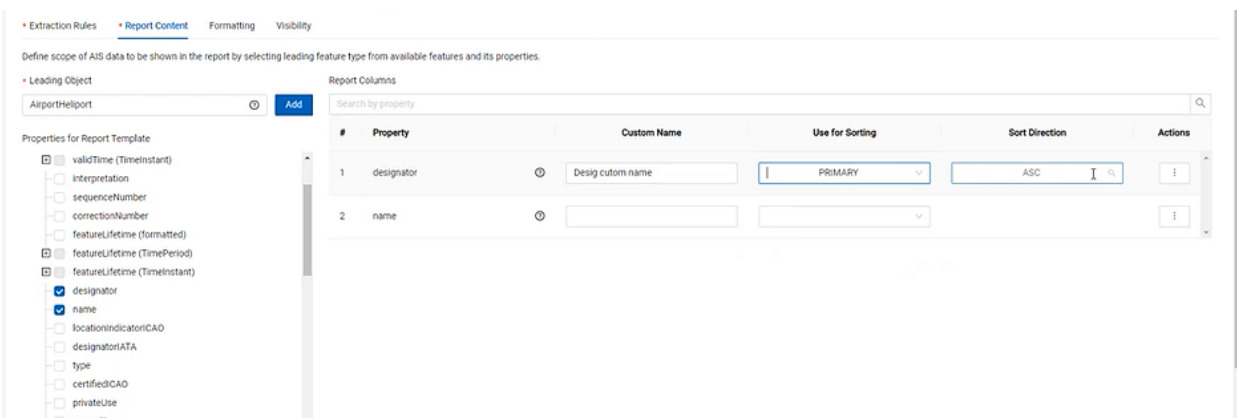
- Select in the **Select Leading Object** list the feature that will be interpreted as a leading row in the resulting table - we will opt for *AirportHeliport* in this example:



- The selected feature type is loaded ...



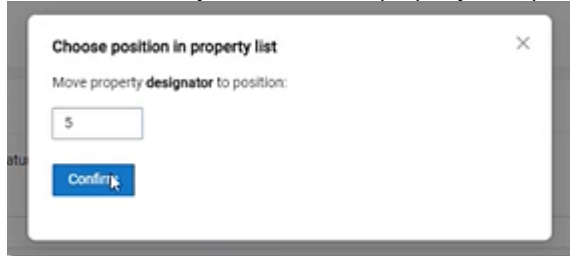
- ... Allowing you to chose the properties to be part of the report template (each property resulting a column in the report):



i Some of the properties are available as being **formatted** (i.e. *validTime*, *geometry*, ...) in addition to their nominal expression. This means that the included properties are concatenated in a single field, resulting in a single column.

- In the **Report Columns** panel, you can specify the following properties:
 - **Custom Name:** Enter the text string you want to be used as column header
 - **Use for Sorting:** Three levels of sorting are supported:
 - PRIMARY
 - SECONDARY

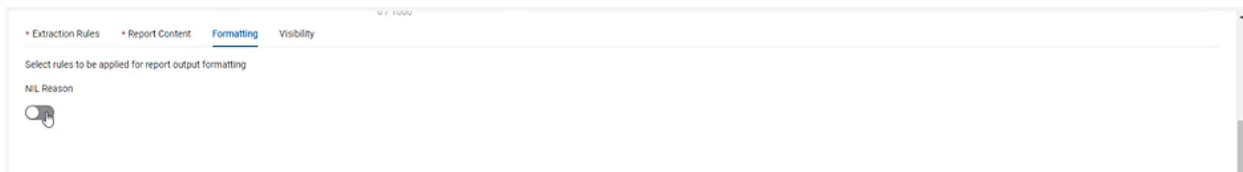
- TERTIARY
- **Sort Direction:** Select between the classical *ASC* (Ascending) and *DESC* (Descending)
- **Actions:** The menu lists the following commands - most of them being straightforward:
 - **Remove**
 - **Move to Top**
 - **Move to Bottom**
 - **Move to..:** Allows you to relocate a property in a specific position in the list:



- **View Tree:** Whenever relevant, displays the path to the property:



Formatting



When set to **ON**, this switch determines if **NIL Reasons** are to be displayed to the user - providing explanations for an empty value.

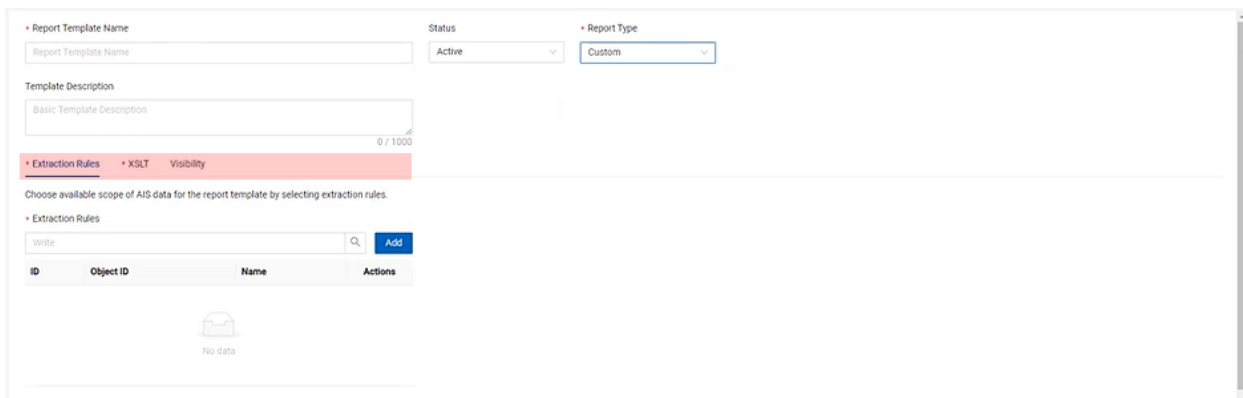
Visibility

This is where the **Visibility** of the Extraction Rule is configured.

Custom

The **Custom** report template is reserved to more advanced context, involving concepts such as XLS Transformations.

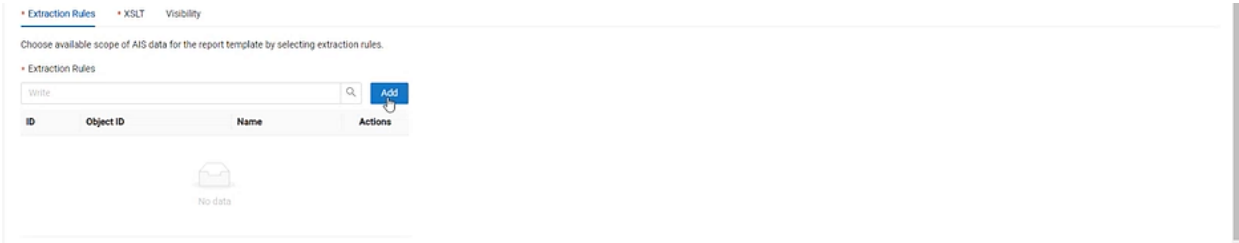
In addition to the common fields (name, status, etc.) the custom Report Type features three tabs:



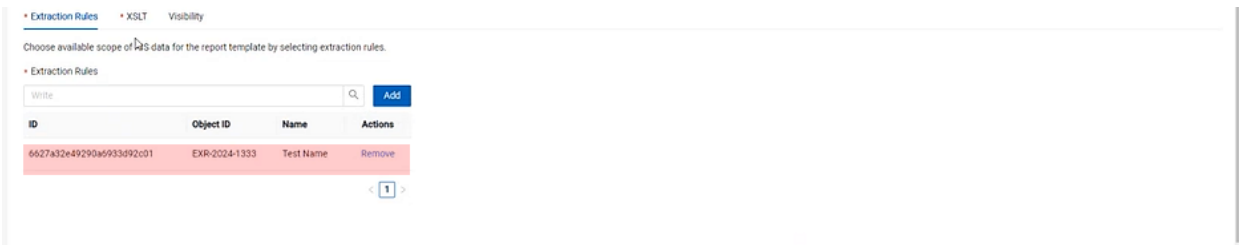
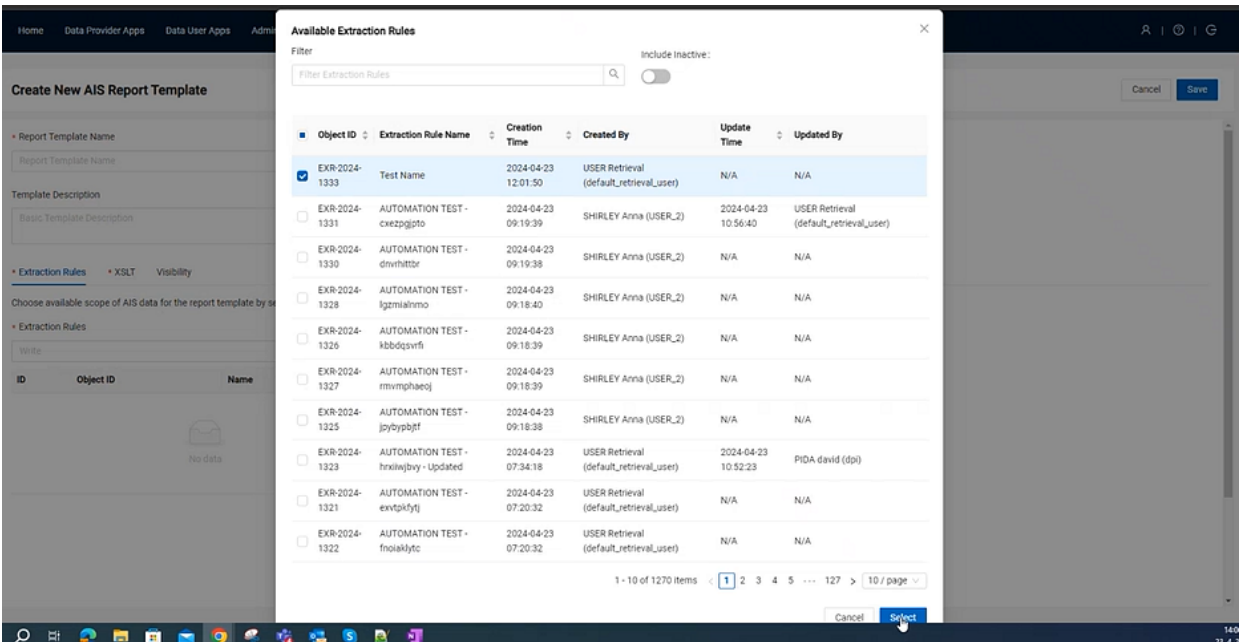
- [Extraction Rule](#)
- [XSLT](#)
- [Visibility](#)

Extraction Rules

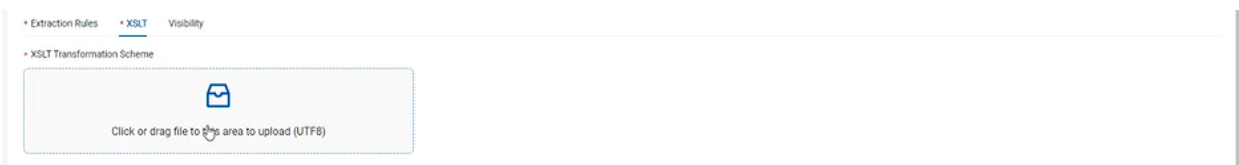
Click on the **Add** button



Select Extraction Rule(s) to link to the template

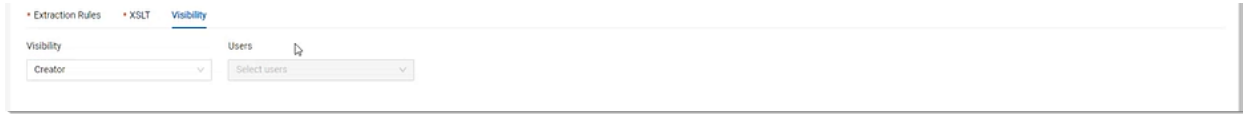


XSLT



This is where you will upload the XSLT file to be applied

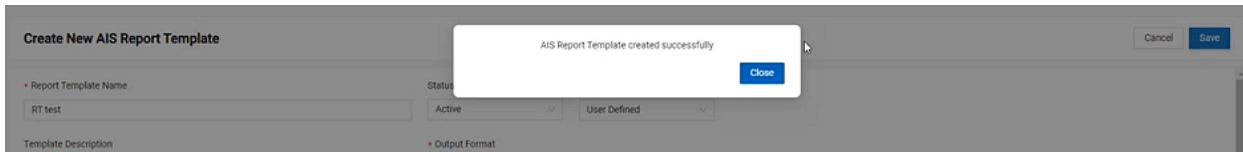
Visibility



As described above, this is where the **Visibility** of the Extraction Rule is configured.

Save

When no issue are blocking the process, you are prompted to close this dialog ...



... So you are redirected to the main view, where the newly created template is now listed:

AIS Report Template Management Create

Report Template Type:

Filter:

ID	Object ID	AIS Report Template Name	Type	Status	Creation Time	Created By	Update Time	Update By	Actions
6627a7214d9a103c434ff856	RET-2024-578	RT test	USER_DEFINED	<input checked="" type="checkbox"/>	2024-04-23 12:18:41	USER Retrieval (default_retrieval_user)	N/A	N/A	⋮
66277d2b4d9a103c434ff7ea	RET-2024-576	AUTOMATION TEST - ivsgyyszr	CUSTOM	<input type="checkbox"/>	2024-04-23 09:19:39	SHIRLEY Anna (USER_2)	2024-04-23 12:16:56	USER Retrieval (default_retrieval_user)	⋮
66277d2b4d9a103c434ff7ed	RET-2024-577	AUTOMATION TEST - uachektshu	CUSTOM	<input checked="" type="checkbox"/>	2024-04-23 09:19:39	SHIRLEY Anna (USER_2)	N/A	N/A	⋮
66277d2a4d9a103c434ff7e4	RET-2024-574	AUTOMATION TEST - tzrvfctjpl	CUSTOM	<input checked="" type="checkbox"/>	2024-04-23 09:19:38	SHIRLEY Anna (USER_2)	N/A	N/A	⋮
66277d2a4d9a103c434ff7e7	RET-2024-575	AUTOMATION TEST - cefmfivmdn	CUSTOM	<input type="checkbox"/>	2024-04-23 09:19:38	SHIRLEY Anna (USER_2)	2024-04-23 11:49:19	USER Retrieval (default_retrieval_user)	⋮
66277c04d9a103c434ff7de	RET-2024-572	AUTOMATION TEST - horufocwrv	CUSTOM	<input checked="" type="checkbox"/>	2024-04-23 09:18:40	SHIRLEY Anna (USER_2)	2024-04-23 11:49:21	USER Retrieval (default_retrieval_user)	⋮

6.7. AIS Data Subscription Management

i The **AIS Data Subscription Management** is part of a set of 4 closely related applications all aimed at issuing datasets to fit any given purpose:

- [Data Set Extraction Rule Management](#)
- [AIS Report Template Management](#)
- [AIS Data Subscription Management](#)
- [AIS Data Generation History](#)

The default view is a list of all created subscriptions:

ID	Object ID	Subscription Name	Extraction Rule Name	Status	Creation Time	Created By	Update Time	Updated By	Actions
6626ecce0e44b7eb3f5a4b0	SUB-2024-340	AUTOMATION TEST - gundwabjnl	AUTOMATION TEST - lgwaegpicj	<input checked="" type="checkbox"/>	2024-04-22 23:04:14	USER Retrieval (default_retrieval_user)	N/A	N/A	[...]
6626ecb00e44b7eb3f5a49b	SUB-2024-337	Updated - AUTOMATION TEST - lleyfyxoh	AUTOMATION TEST - fdhcgjadrq	<input checked="" type="checkbox"/>	2024-04-22 23:03:12	USER Retrieval (default_retrieval_user)	2024-04-23 10:51:58	PIDA david (dpi)	[...]
6626119252055e68f70a3f58	SUB-2024-334	AUTOMATION TEST - mnxdrqmxgb	AUTOMATION TEST - fwansztpu	<input type="checkbox"/>	2024-04-22 07:28:18	USER Retrieval (default_retrieval_user)	2024-04-22 23:03:12	USER Retrieval (default_retrieval_user)	[...]
6626116452055e68f70a3fc3	SUB-2024-331	Updated - AUTOMATION TEST - xbmfgjcwq	AUTOMATION TEST - ujdqcsyzanz	<input type="checkbox"/>	2024-04-22 07:27:32	USER Retrieval (default_retrieval_user)	2024-04-22 07:27:33	USER Retrieval (default_retrieval_user)	[...]
6626112452055e68f70a3fbc	SUB-2024-330	AUTOMATION TEST - jwuprezkqp	AUTOMATION TEST - hpqxqheut	<input type="checkbox"/>	2024-04-22 07:26:28	USER Retrieval (default_retrieval_user)	2024-04-22 07:27:21	USER Retrieval (default_retrieval_user)	[...]
6626111452055e68f70a3fb5	SUB-2024-329	AUTOMATION TEST - sbwvzyskz	AUTOMATION TEST - elnjpaxan	<input type="checkbox"/>	2024-04-22 07:26:12	USER Retrieval (default_retrieval_user)	2024-04-22 07:26:27	USER Retrieval (default_retrieval_user)	[...]
6626110952055e68f70a3fae	SUB-2024-328	AUTOMATION TEST - yofkaeojm	AUTOMATION TEST - epgotklogu	<input type="checkbox"/>	2024-04-22 07:26:01	USER Retrieval (default_retrieval_user)	2024-04-22 07:26:10	USER Retrieval (default_retrieval_user)	[...]

Filter

Subscription Type:

Filter:

The Filter section features two parameters:

- [Subscription Type](#)
- [Filter](#)

Subscription Type

Subscription Type:

- Once
- Periodic**
- On Update

Existing Subscriptions can be filtered by type:

- **Once**
- **Periodic**
- **On Update**

Filter

//DEF

Create

AIS Data Subscription Management

Subscription Type: Periodic

Filter: Filter Subscriptions Periodic

ID	Object ID	Subscription Name	Extraction Rule Name	Status	Creation Time	Created By	Update Time	Updated By	Actions
6626ecce0e4a4b7eb3f5a4b0	SUB-2024-340	AUTOMATION TEST - gundwabjnl	AUTOMATION TEST - lgwaegpicj	<input checked="" type="checkbox"/>	2024-04-22 23:04:14	USER Retrieval (default_retrieval_user)	N/A	N/A	[!]
6626ecb00e4a4b7eb3f5a49b	SUB-2024-337	Updated - AUTOMATION TEST - lleyfyxoh	AUTOMATION TEST - fdhcgjadqj	<input checked="" type="checkbox"/>	2024-04-22 23:03:12	USER Retrieval (default_retrieval_user)	2024-04-23 10:51:58	PIDA david (dpi)	[!]

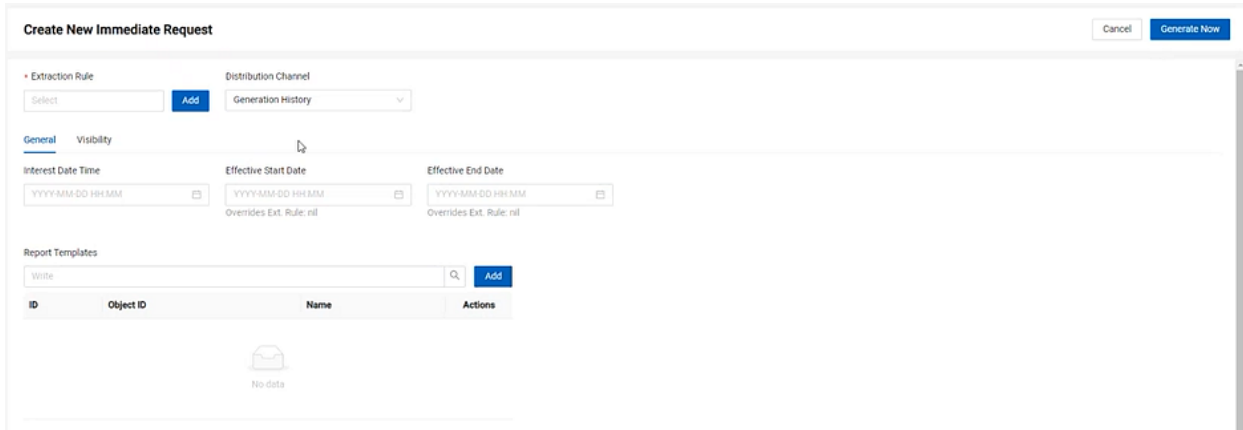
Click on the **Create** button to initiate the creation process - and select one of the following options:

- [Subscription Now](#): Used for instant generation
- [Subscription Once](#): For one generation at a specific time
- [Subscription Periodic](#): Generation based on parameters
- [Subscription On Update](#): Based on operational data updates, according to specified extraction rules

6.7.1. Subscription Now



Selecting the *Subscription Now* command opens the **Create New Immediate Request** view:

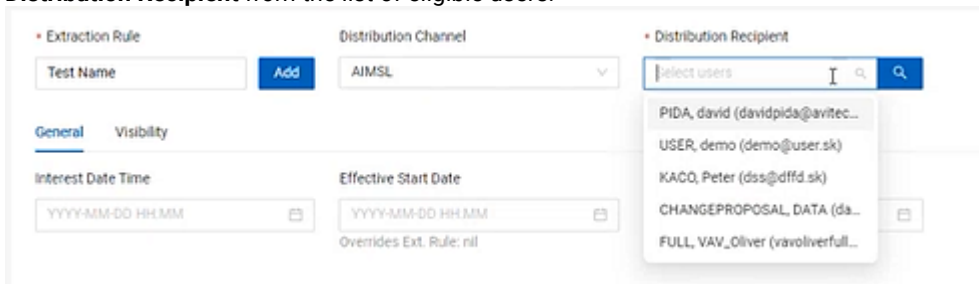


Action buttons

- **Cancel:** Used to terminate the creation process and return to the main view
- **Generate Now:** This function is described further down in this document

Form

- **Extraction Rule:** Select the Extraction Rule to be used from the *Available Extraction Rules* list that opens when you click on the **Add** button.
- **Distribution Channel:** To indicate where the files will be stored:
 - **AIMSL:** Typically chosen to send files to third party applications. When selected, allows you to specify the **Distribution Recipient** from the list of eligible users:



- **Generation History:** Copies the files on the [Generation History](#) subsystem, for short term storage.
- **IFS:** Used to upload the files to IFS.

Two tabs provide additional parameters:

- [General](#)
- [Visibility](#)

General

- **Interest Date Time:** To specify the *Date* and *Time* for which the state of the database is to be examined

The screenshot shows the 'General' tab of the 'Visibility' configuration. It features three input fields for dates and times: 'Interest Date Time', 'Effective Start Date', and 'Effective End Date'. Below the 'Interest Date Time' field is a calendar for April 2024, with the 23rd highlighted. To the right of the calendar is a table with columns 'Name' and 'Actions', and an 'Add' button.

i When left empty, the value "now" is used.

- **Effective Start Date** and **Effective End Date:** Used to override the values as present in the Extraction Rule
- **Report Templates:** Select a template from the **Available Report Templates** that you get when you click on the **Add** button, that lists all templates linked to the selected Extraction Rule:

The screenshot shows the 'Report Templates' section. It features a search bar with the text 'Write' and an 'Add' button. Below is a table with columns 'ID', 'Object ID', 'Name', and 'Actions'. The table contains one row with ID '6627a7214d9a103c434ff856', Object ID 'RET-2024-578', and Name 'RT test'. The 'Actions' column has a 'Remove' button.

Visibility

The settings in the Visibility tab are only applied to generated data:

The screenshot shows the 'Visibility' tab of the configuration interface. It features the 'Extraction Rule' section with a 'Test Name' field and an 'Add' button. Below is the 'Visibility' section with a 'Creator' dropdown and a 'Users' section with a 'Select users' dropdown.

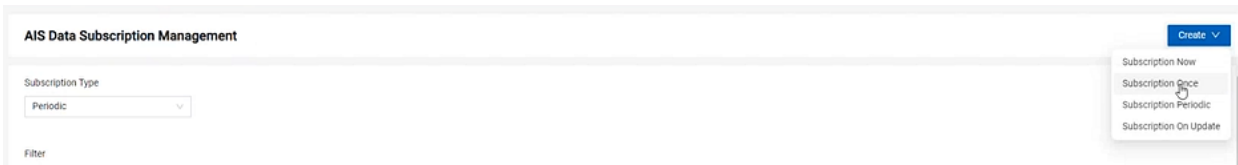
Generate Now

The screenshot shows the 'Create New Immediate Request' form. At the top right, there are 'Cancel' and 'Generate Now' buttons. The 'Generate Now' button is highlighted with a red box and a mouse cursor. The form includes an 'Extraction Rule' section with a 'Test Name' input and an 'Add' button, and a 'Distribution Channel' dropdown menu set to 'Generation History'. Below this are 'General' and 'Visibility' tabs. The 'General' tab contains three date-time pickers: 'Interest Date Time', 'Effective Start Date', and 'Effective End Date', each with a format mask and an 'Overrides Ext. Rule: nil' note. At the bottom, there is a 'Report Templates' section with a search bar and an 'Add' button, and a table with columns 'ID', 'Object ID', 'Name', and 'Actions'. The table contains one entry: ID '6627a7214d9a103c434f856', Object ID 'RET-2024-578', Name 'RT test', and Actions 'Remove'.

Click on the **Generate Now** button to launch the *Immediate Request* you have set - and go to the [Generation History](#) view to check the progress of the generation:

This screenshot shows the same 'Create New Immediate Request' form, but with a success message overlay. The message box is white with a blue border and contains the text: 'Immediate Request created successfully. Go to [generation history](#) to check the progress of generation.' There is a 'Close' button at the bottom right of the message box. The background form is dimmed.

6.7.2. Subscription Once



Selecting the *Subscription Once* command opens the **Create New Subscription Once** view:

Action buttons

- **Cancel:** Used to terminate the creation process and return to the main view
- **Save:** This function is described further down in this document

Form

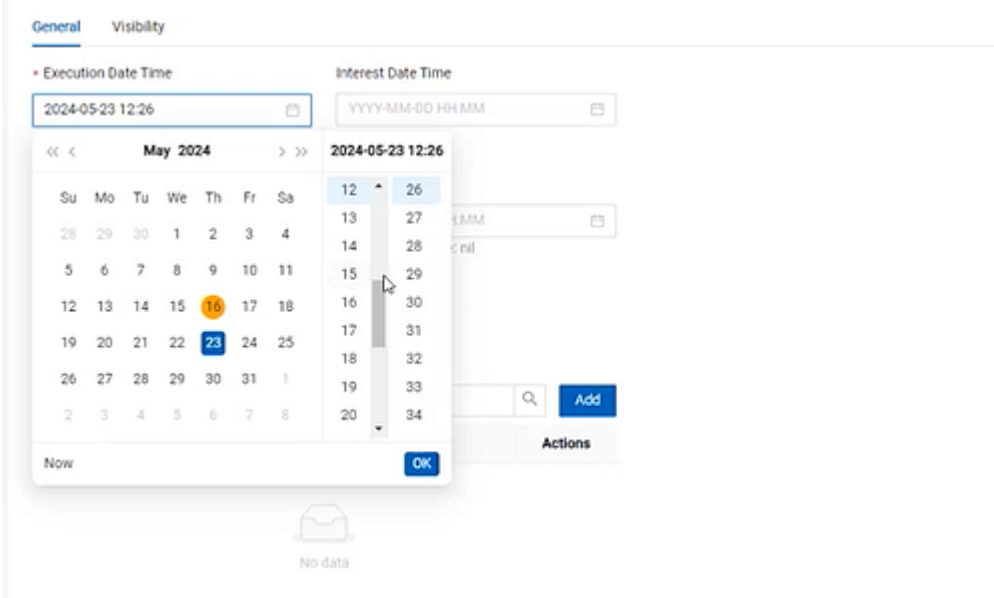
- **Subscription Name:** To identify the subscription
- **Status:** Opt for *Active* or *Inactive* - Inactive subscriptions are purged after a while to clean up the system.
- **Extraction Rule:** Select the Extraction Rule to be used from the *Available Extraction Rules* list that opens when you click on the **Add** button.
- **Distribution Channel:** To indicate where the files will be stored - as described in the [Subscription Now](#) chapter.

Two tabs provide additional parameters:

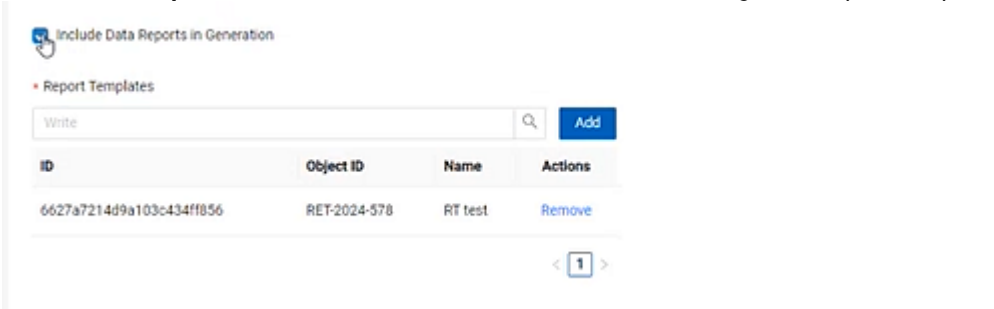
- [General](#)
- [Visibility](#)

General

- Execution Date Time:** To specify the *Date* and *Time* for which the state of the database is to be examined (will be added to system batches executed every 5 minutes)



- Interest Date Time:** //DEF
- Effective Start Date** and **Effective End Date:** Used to override the values as present in the Extraction Rule.
- Include Data Reports in Generation:** When selected, includes the designated Report Template in the data generation:

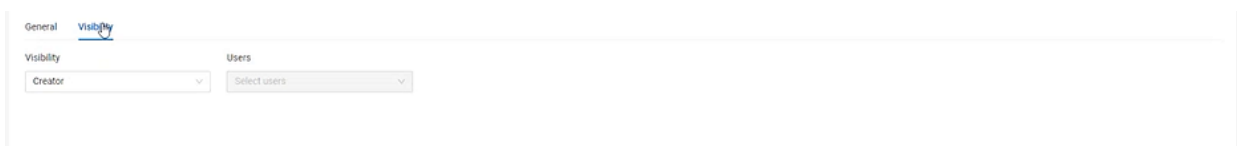


- Report Templates:** Select a template from the **Available Report Templates** that you get when you click on the **Add** button, that lists all templates linked to the selected Extraction Rule:



Visibility

The settings in the Visibility tab are only applied to generated data:

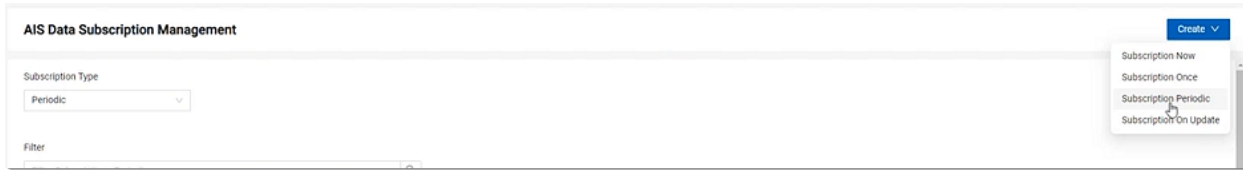


iNM		EUROCONTROL
EAD User Guide		

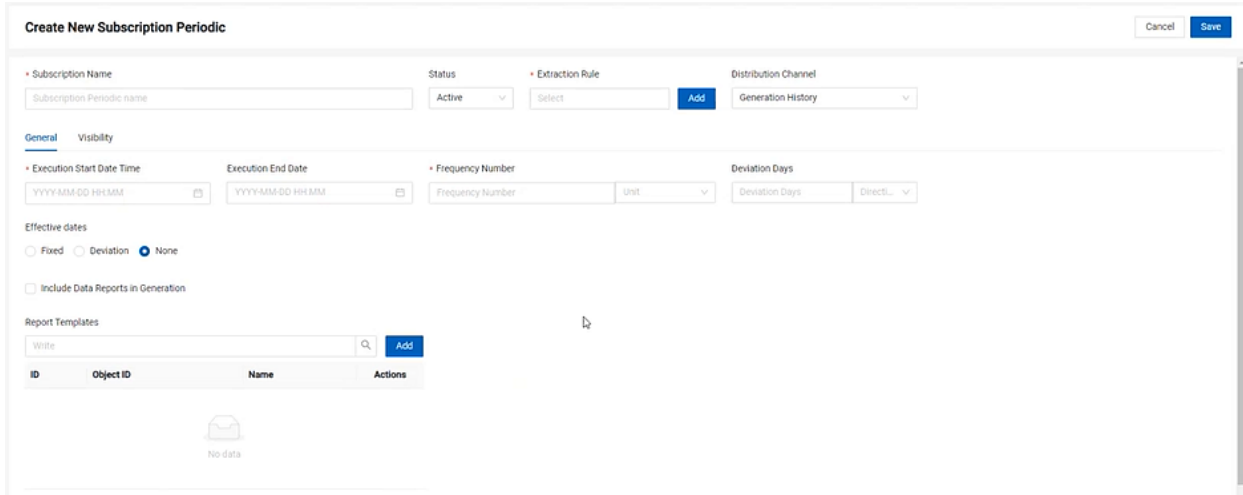
Save

Click on the **Save** button to //DEF

6.7.3. Subscription Periodic



Selecting the *Subscription Periodic* command opens the **Create New Subscription Periodic** view:



Action buttons

- **Cancel:** Used to terminate the creation process and return to the main view
- **Save:** This function is described further down in this document

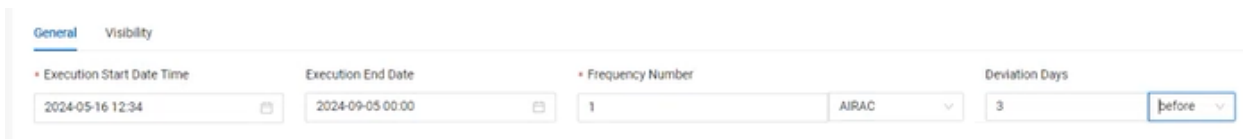
Form

- **Subscription Name:** To identify the subscription
- **Status:** Opt for *Active* or *Inactive* - Inactive subscriptions are purged after a while to clean up the system.
- **Extraction Rule:** Select the Extraction Rule to be used from the *Available Extraction Rules* list that opens when you click on the **Add** button.
- **Distribution Channel:** To indicate where the files will be stored - as described in the [Subscription Now](#) chapter.

Two tabs provide additional parameters:

- [General](#)
- [Visibility](#)

General



- **Execution Start Date Time:** //DEF
- **Execution End Date:** //DEF
- **Frequency Number:** //DEF
 - **Unit:** Day - Week - Month - AIRAC

- **Deviation Days:** Used to get an image of the database as it is or would be a certain time before or after the Execution Dates in relation with the selected AIRAC:
 - **Direction:** Select between *after* or *before*
- **Effective Dates**
 - *Fixed:* Based on an **Effective Start Date** and an **Effective End Date**
 - *Deviation:* //DEF
 - Deviation Number: **Unit:** *Day - Week - Month - AIRAC*
 - Deviation Number: **Number:** The quantity of the designated Unit
 - *None:* //DEF
- **Include Data Reports in Generation:** When selected, includes the designated Report Template in the data generation
- **Report Templates:** Select a template from the **Available Report Templates** that you get when you click on the **Add** button, that lists all templates linked to the selected Extraction Rule:



Visibility

The settings in the Visibility tab are only applied to generated data:



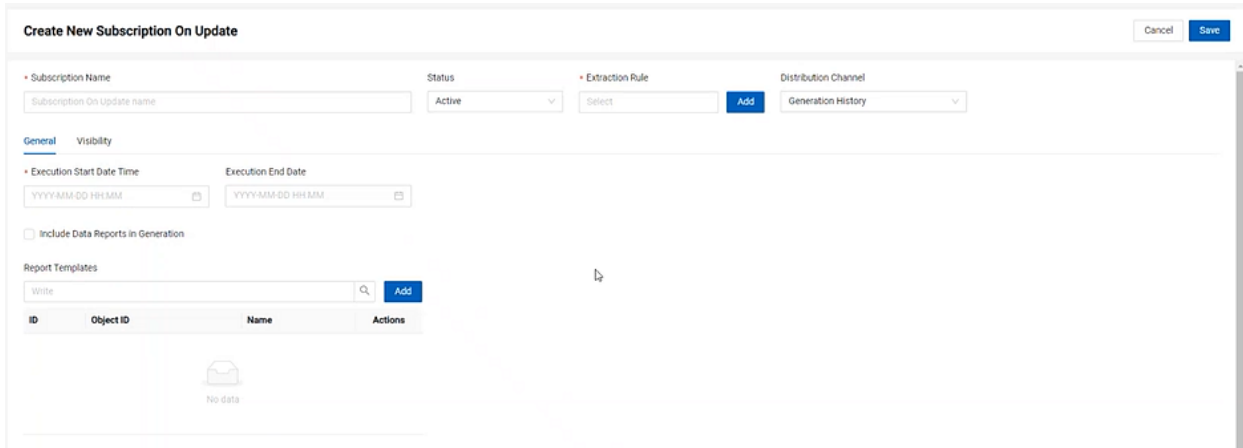
Save

Click on the **Save** button to //DEF

6.7.4. Subscription On Update



Selecting the *Subscription On Update* command opens the **Create New Subscription On Update** view:



Action buttons

- **Cancel:** Used to terminate the creation process and return to the main view
- [Save:](#) This function is described further down in this document

Form

- **Subscription Name:** To identify the subscription
- **Status:** Opt for *Active* or *Inactive* - Inactive subscriptions are purged after a while to clean up the system.
- **Extraction Rule:** Select the Extraction Rule to be used from the *Available Extraction Rules* list that opens when you click on the **Add** button.
- **Distribution Channel:** To indicate where the files will be stored - as described in the [Subscription Now](#) chapter.

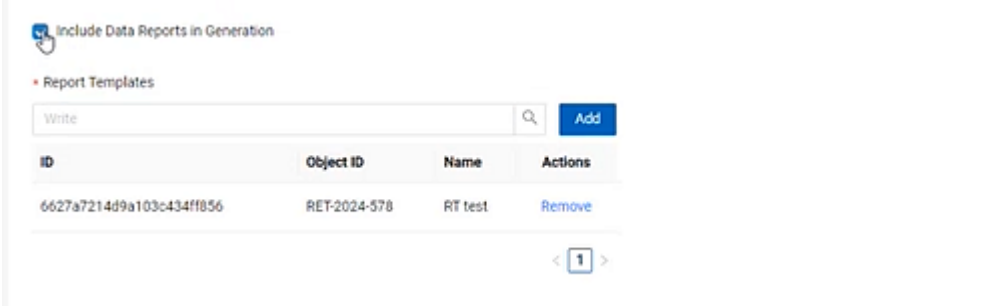
Two tabs provide additional parameters:

- [General](#)
- [Visibility](#)

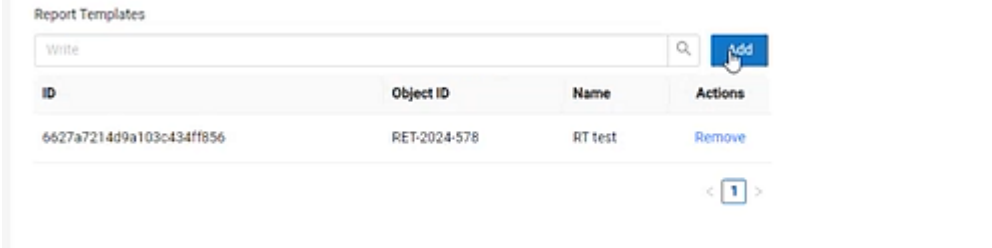
General

- **Execution Start Date Time:** //DEF
- **Execution End Date:** //DEF

- **Include Data Reports in Generation:** When selected, includes the designated Report Template in the data generation:

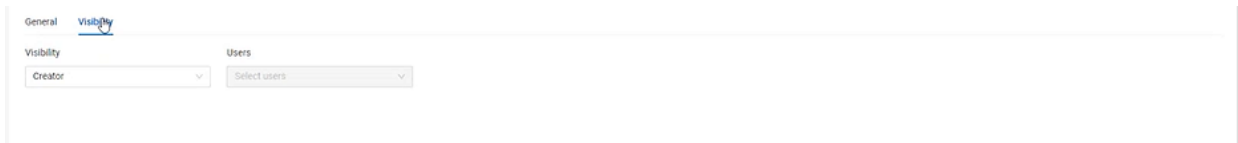


- **Report Templates:** Select a template from the **Available Report Templates** that you get when you click on the **Add** button, that lists all templates linked to the selected Extraction Rule:



Visibility

The settings in the Visibility tab are only applied to generated data:



Save

Click on the **Save** button to //DEF

6.8. AIS Data Generation History

i The **AIS DATA GENERATION HISTORY** is part of a set of 4 closely related applications all aimed at issuing datasets to fit any given purpose:

- [Data Set Extraction Rule Management](#)
- [AIS Report Template Management](#)
- [AIS Data Subscription Management](#)
- [AIS Data Generation History](#)

The **AIS Data Generation History** view lists the history of the generations in the form of a *Results Table*, where one row represents one generation, and allows downloads for subsequent handling:

1. [Filter Area](#): Used to filter down the [Results Table](#)
2. Expanded Generation entry
3. Collapsed Generation entries

Filter Area

Specify here the parameters and values by which you want the list to be filtered.

Results Table

What is displayed here depends on the *Visibility* settings (visible only to you, or to anyone in your organization, etc.).

The main columns are:

- **Triggered at:** //DEF
- **Generation Event:** //DEF
- **Overall Status:** The overall status for the corresponding Generation - it can be *Started*, *Successful partially*, *Successful* or *Failed*.
 - *Successful Partially:* Happens when not all the content is been successfully handled, i.e. **Success** for the *Dataset* and **Failed** for the *Report*
- **Generation Type:** //DEF
- **Extraction Rule:** //DEF
- **Subscription:** //DEF
- **Generated By:** //DEF

When a table row is expanded, some additional details are displayed in a secondary table, where each line represents a file (*Dataset* or *Datareport*):

Triggered At	Generation Event	Overall Status	Generation Type	Extraction Rule	Subscription	Generated By																											
2024-04-23 12:25:51	6627a8cf51bf9834fd189176	SUCCESSFUL	Now	Test Name	N/A	USER Retrieval (default_retrieval_user)																											
<table border="1"> <thead> <tr> <th>Filename</th> <th>Generation ID</th> <th>Status</th> <th>Report Template</th> <th>Started At</th> <th>Finished At</th> <th>Expired At</th> <th>Error</th> <th>Actions</th> </tr> </thead> <tbody> <tr> <td>Dataset_2024-04-23T12_26_01Z_6627a8cf51bf9834fd189176.zip</td> <td>6627a8cf51bf9834fd189176</td> <td>SUCCESSFUL</td> <td>N/A</td> <td>2024-04-23 12:25:51</td> <td>2024-04-23 12:26:01</td> <td>2024-05-23 12:26:01</td> <td>N/A</td> <td>Download</td> </tr> <tr> <td>Datareport_2024-04-23T12_26_27Z_6627a8daaf61e80a539d5ffa.zip</td> <td>6627a8daaf61e80a539d5ffa</td> <td>SUCCESSFUL</td> <td>RT Test</td> <td>2024-04-23 12:26:02</td> <td>2024-04-23 12:26:29</td> <td>2024-05-23 12:26:29</td> <td>N/A</td> <td>Download</td> </tr> </tbody> </table>							Filename	Generation ID	Status	Report Template	Started At	Finished At	Expired At	Error	Actions	Dataset_2024-04-23T12_26_01Z_6627a8cf51bf9834fd189176.zip	6627a8cf51bf9834fd189176	SUCCESSFUL	N/A	2024-04-23 12:25:51	2024-04-23 12:26:01	2024-05-23 12:26:01	N/A	Download	Datareport_2024-04-23T12_26_27Z_6627a8daaf61e80a539d5ffa.zip	6627a8daaf61e80a539d5ffa	SUCCESSFUL	RT Test	2024-04-23 12:26:02	2024-04-23 12:26:29	2024-05-23 12:26:29	N/A	Download
Filename	Generation ID	Status	Report Template	Started At	Finished At	Expired At	Error	Actions																									
Dataset_2024-04-23T12_26_01Z_6627a8cf51bf9834fd189176.zip	6627a8cf51bf9834fd189176	SUCCESSFUL	N/A	2024-04-23 12:25:51	2024-04-23 12:26:01	2024-05-23 12:26:01	N/A	Download																									
Datareport_2024-04-23T12_26_27Z_6627a8daaf61e80a539d5ffa.zip	6627a8daaf61e80a539d5ffa	SUCCESSFUL	RT Test	2024-04-23 12:26:02	2024-04-23 12:26:29	2024-05-23 12:26:29	N/A	Download																									
+ 2024-04-22 23:04:11	6626ecec51bf9834fd189171	SUCCESSFUL	Now	AUTOMATION TEST - zedsjuoqie	N/A	USER Retrieval (default_retrieval_user)																											
+ 2024-04-22 14:41:16	6626770c51bf9834fd189162	SUCCESSFUL	Now	DEM.TST ADHP	N/A	USER Retrieval (default_retrieval_user)																											

i A given Generation may contain only one **Dataset** but multiple **Datareports** as defined in the *Extraction Rule*

- **Filename:** //DEF
- **Generation ID:** //DEF
- **Status:** The individual status for each file
- **Report Template:** //DEF
- **Started At:** //DEF
- **Finished At:** //DEF
- **Expired At:** //DEF
- **Error:** //DEF
- **Actions:** Links to **Download** the corresponding *Dataset* or *Datareport*.

6.9. Digital NOTAM Management



Important for W1 users

A temporary workaround is proposed to mitigate the risk of conflicting SNOWTAMs

There is only one valid SNOWTAM for each airport at any time, so this should be a sufficient condition to release the SNOWTAM Event in ADM. But if there is a completely different SNOWTAM (differently encoded data) created in INO for the same airport, then this would imply the following sequence of Events (fictitious times has been stored for better expressing the realistic as timeline):

- **07:00** - NOTAM operator receives SNOWTAM data from airport

- **07:10** - NOTAM operator (or ADM operator) codes SFC.CON and sends SNOWTAM proposal to INO (the ADM software is now in "listening mode" on the issued SNOWTAM, awaiting to see the SNOWTAM being published by INO)

- **07:15** - NOTAM operator receives a different SNOWTAM data set from the airport and codes that directly in the INO application, ignoring the SNOWTAM proposal received from ADM. Both are very unlikely (that a new SNOWTAM data set is received from the airport and that the NOTAM operator ignores the ADM SNOWTAM Proposal)

- **07:20** the second SNOWTAM is encoded in INO and captured by ADM - thus the SNOWTAM message and the SFC.CON event might have different data.

The risk is very low. The benefit of providing SNOWTAM proposals from ADM to INO is significantly higher than this risk. As in Wave 1 the Digital SNOWTAM Events will anyhow not be used operationally. From a safety assessment point of view, it goes under the general "degraded mode" - NOTAM is different from Event data.

Data Change Proposals are typically used for mid- or long term data changes, i.e. in relation with AIRAC, whereas **Digital NOTAM** is more likely to be used for short term changes and notifications.

The term **Digital NOTAM** means a small data set which contains digitally coded data about one or more related aeronautical information changes, which are of temporary nature or provided on short notice.

Digital NOTAM come from three sources:

- Digital NOTAM created directly by the Data Providers, either in their national system or using eEAD terminals
- Digital NOTAM received from world-wide (the only known source at present is FAA)
- Digital NOTAM created by the Service Provider (DOP) using as source international NOTAM from States that do not produce yet Digital NOTAM

The DNOTAM is always linked to a "classic" NOTAM, whatever the classical NOTAM is the source of the DNOTAM or the classical NOTAM is created from the DNOTAM.

The **Digital NOTAM Management** application guides non-specialists through the creation of these short notices, in simple and straightforward fashion whereas it tended to be complex (numerous requirements, rules, specific international conditions, ...) in the classical way.

Event association with airports and/or FIR

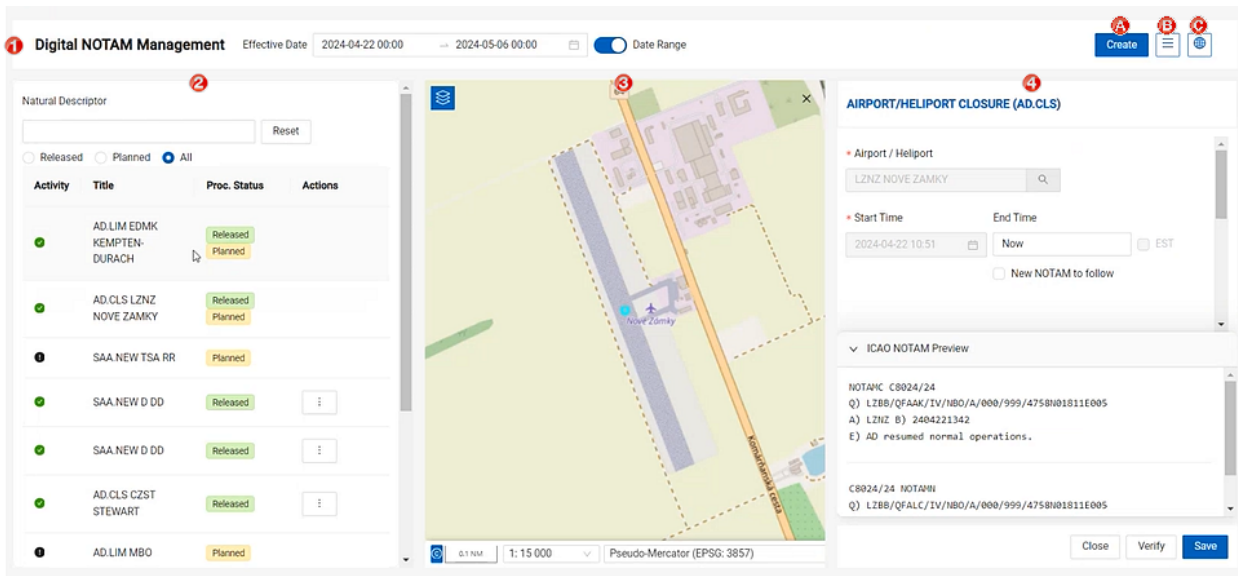
NOTAM are grouped in aerodrome and en-route sections.

The association Event concerns Airspace is mandatory in all Digital NOTAM scenarios and the associated Airspace must have type equal-to 'FIR'. For most scenarios, the concerned FIR can be automatically deduced by the system that supports the digital data coding, using spatial queries.

The association Event concerns Airport/Heliport is mandatory for all Digital NOTAM scenarios that affect an airport/heliport or one of its infrastructure, services or facilities elements. For all such scenarios, the concerned airport/heliport can be automatically deduced by the system that supports the digital data coding, using feature associations. In addition, the data originator could explicitly identify one or more airports that might be operationally impacted and for which this association also needs to be coded.

Screen layout

When all the panels are open, this is the sort of screen that you will get:



1. **Header:** Featuring time settings and action buttons
 - a. **Create** button
 - b. **List:** Toggle button used to Hide / Show the *List* next to the *Map* pane
 - c. **Map:** Toggle button used to Hide / Show the *Map* next to the *List* pane
2. **List** pane: To query and list results
3. **Map** pane: To display events on a graphical context
4. **Detail** pane: To expose the data associated to a given event

It is many aspects, very similar to the one used in the [AIS Data Explorer](#) application. One significant difference is that, contrary to the Data Explorer that exposes all available properties for a given feature, the Digital NOTAM Management only presents the properties which are relevant in the Digital NOTAM context.

This application will allow the following actions in the context of Digital NOTAM:

- [Search](#)
- [Display](#)
- [Create](#)
- [Terminate](#)

6.9.1. Search Digital NOTAM

Date and Time

A search for *Digital NOTAM* events will start by defining a given date or date range in the **Digital NOTAM Management** application header:

1. **Effective Date:** The beginning date and time of validity.
2. **Date Range:** Used to turn the *Effective Date* field (with only a start date) to a Date Range (with indication of a start and end date):

Off for a single date;

On for an array.

Please refer to the [Use Dates](#) chapter for detailed information.

Search Modes

Two modes are available to you to search / filter the Digital NOTAM events:

- The **Compact** mode: displayed to the left of the map view, features a limited set of essential parameters,
- The **Full** mode: available when the map is collapsed and the full screen is available for the query

Search - compact mode

Activity	Title	Proc. Status	Actions
	AD.CLS LIRS GROSSETO	Planned	
	RWY.CLS RPVD RWY-09/27	Released Planned	
	AD.CLS LIRS GROSSETO	Planned	

In *Compact mode* there is only this single search field and a validity selector:

1. **Natural Descriptor**
2. **Validity selector:** Lets you specify if you only want to display *Released* events, *Planned* ones, or *All*.

Search - full mode

Digital NOTAM Management

Effective Date: 2024-01-01 00:00 → 2024-06-30 08:09 📅 🔴 Date Range

Create
☰
🌐

Natural Descriptor	Designator	Name	Scenario	
<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>	Reset

Released Planned All

Activity	Title	Proc. Status	Actions
🚫	AD.CLS LIRS GROSSETO	Planned	
🟢	RWY.CLS RPVD RWY-09/27	Released Planned	
🚫	AD.CLS LIRS GROSSETO	Planned	

The Full mode features the filter functions described above, and adds the following:

- **Designator:** //DEF
- **Name:** //DEF
- **Scenario:** //DEF

Table

Activity	Title	Proc. Status	Actions
🚫	AD.CLS LIRS GROSSETO	Planned	
🟢	RWY.CLS RPVD RWY-09/27	Released Planned	
🚫	AD.CLS LIRS GROSSETO	Planned	
🚫	AD.LIM EBBR BRUSSELS/BRUSSELS-NATIONAL	Planned	
🟢	AD.LIM CMX2 MAXVILLE	Released Planned	
🚫	RWY.CLS TEST TESTER	Planned	
🚫	SAA.ACT TMA_P ESM5F	Planned	
🚫	SAA.NEW P MBO	Planned	
🚫	SAA.ACT TSA EBTSAS1	Planned	
🚫	RWY.LIM LZTT 07R/25L 07R	Planned	

< 1 2 3 4 5 >
10 / page ▾

Regardless of the display mode (*Compact* of *Full*), the result table features the following columns:

- **Activity:** The Activity Status is expressed in the table by an icon:
 - Currently active 🟢
 - Active in near future 🟡
 - Planned 🚫
 - Non-Active 🚫
 - Cancelled 🚫
- **Title:** Natural descriptor of the event
- **Proc. Status:** *Planned*, *Released*, or a combination of both
 - **Released:** The event has been created, the Data Change Proposal has been issued and the NOTAM office has released it so it is now operational data.
 - **Planned:** The event, with at least one planned DNOTAM (an event with only planned DNOTAMs or an event with both released and planned DNOTAMs), has been created but is not released yet.
 - **Both:** This situation may occur when you do some changes regarding the validity of a given NOTAM.
- **Actions:** List of actions available to you:
 - [Terminate immediately](#)

○ [Update of Validity](#)

The screenshot displays the iNM interface for updating the validity of a NOTAM. On the left, a table lists activities with their titles, process statuses, and action menus. The 'SAA.NEW D DD' row is highlighted, and its action menu is open, showing 'Terminate Immediately' and 'Update of Validity' options. The 'Update of Validity' option is selected. In the center, a map of Europe shows the location of the NOTAM. On the right, a configuration panel allows setting start and end times, a schedule, and a limitation type. Below the configuration panel, an ICAO NOTAM preview is shown.

Activity	Title	Proc. Status	Actions
●	AD.LIM EDMK KEMPTEN-DURACH	Released Planned	
●	AD.CLS LZNZ NOVE ZAMKY	Released	⋮
●	SAA.NEW TSA RR	Planned	
●	SAA.NEW D DD	Released	⋮ Terminate Immediately Update of Validity
●	SAA.NEW D DD	Released	
●	AD.CLS CZST STEWART	Released	⋮
●	AD.LIM MBO	Planned	

Start Time: 2024-04-23 00:00 | End Time: 2024-05-07 00:00 | EST

Schedule: **None** | Daily | Dates | Weekdays | Weekdays range

Limitation Type: Conditional for

ICAO NOTAM Preview

NOTAM#
Q) ??/??/??/??/??/??/??/??
A) ?? B) 2404230000 C) ??
E) ??

Close | Verify | Save

Display Data

Click on any table row to display the corresponding data.

 Please refer to the [Display Digital NOTAM](#) for further information.

6.9.2. Display Digital NOTAM

You can access the detail of a given Digital NOTAM in two ways:

- From the [List](#) pane
- From the [Map](#)

List

Be if tom the *Compact* of from the *Full* list:

1. Click on a given NOTAM event in the results *Table*
2. The *Map* view zooms to the corresponding object ...
3. .. While a third pane opens to display the *Details* of the event

The screenshot displays the 'Digital NOTAM Management' interface. At the top, there is a header with the title 'Digital NOTAM Management', an 'Effective Date' range from '2024-01-01 00:00' to '2024-06-30 08:09', and a 'Date Range' toggle. A 'Create' button and a menu icon are also visible.

The interface is divided into three main panes:

- Left Pane (List):** A table of NOTAMs with columns for 'Activity', 'Title', 'Proc. Status', and 'Actions'. The first row is selected, showing 'AD.CLS LIRS GROSSETO' with a 'Planned' status. Other rows include 'RWY.CLS RPVD RWY-09/27', 'AD.CLS LIRS GROSSETO', 'AD.LIM EBBR BRUSSELS/BRUSSELS-NATIONAL', 'AD.LIM CMX2 MAXVILLE', 'RWY.CLS TEST TESTER', 'SAA.ACT TMA_P ESMSF', 'SAA.NEW P MBO', 'SAA.ACT TSA EBTSAS1', and 'RWY.LIM LZTT 07R/25L 07R'.
- Center Pane (Map):** A map view showing the geographical location of the selected NOTAM. A red circle with the number '2' is placed on the map, indicating the location of the airport closure.
- Right Pane (Details):** A details pane titled 'AIRPORT/HELIPORT CLOSURE (AD.CLS)'. It contains the following information:
 - Airport / Heliport:** LIRS GROSSETO
 - Start Time:** 2024-01-26 16:19
 - End Time:** 2024-01-27 14:21
 - Schedule:** None
 - Closure reason:** work in progress
 - Note:** come back tomorrow.
 - Show JSON:** A toggle switch is currently turned off.
 - ICAO NOTAM Preview:**

```

NOTAMN
Q) ??/QFALC/IV/NBO/A/000/999/4246N01104E005
A) LIRS B) 2401261619 C) 2401271421
E) AD CLOSED DUE TO WORK IN PROGRESS.
COME BACK TOMORROW.
          
```

Map

From any instance of the *Map*, click on the graphical rendering of an **Event** (AD.CLS.EDT AUT TLXCI in this example)...

Digital NOTAM Management Effective Date: 2024-04-22 00:00 — 2024-05-06 00:00

Natural Descriptor: [Search] [Reset]

Released Planned **All**

Activity	Title	Proc. Status	Actions
●	AD.LIM EDMK KEMPTEN-DURACH	Released Planned	
●	AD.CLS LZNZ NOVE ZAMKY	Released	⋮
●	SAA.NEW TSA RR	Planned	
●	SAA.NEW D DD	Released	⋮
●	SAA.NEW D DD	Released	⋮
●	AD.CLS CZST STEWART	Released	⋮
●	AD.LIM MBO	Planned	

Detail

Event (Released)
AD.CLS EDT AUT EINN
AD.CLS EDT AUT TLXCI

52.324124, 14.420577

AIRPORT/HELIPORT LIMITATION (AD.LIM)

Airport / Heliport: [Search]

Start Time: 2024-04-23 00:00 End Time: 2024-05-07 00:00

Schedule: None Daily Dates Weekdays Weekdays range

Limitation Type: [Dropdown]

Conditional for: [Dropdown]

ICAO NOTAM Preview

NOTAM#
Q) ??/??/??/??/??/??/??/??
A) ?? B) 2404230000 C) ??
E) ??

Close Verify Save

... to display the corresponding **Details** pane, along with the associated map view set to the appropriate zoom level:

Digital NOTAM Management Effective Date: 2024-04-22 00:00 — 2024-05-06 00:00

Natural Descriptor: [Search] [Reset]

Released Planned **All**

Activity	Title	Proc. Status	Actions
●	AD.LIM EDMK KEMPTEN-DURACH	Released Planned	
●	AD.CLS LZNZ NOVE ZAMKY	Released	⋮
●	SAA.NEW TSA RR	Planned	
●	SAA.NEW D DD	Released	⋮
●	SAA.NEW D DD	Released	⋮
●	AD.CLS CZST STEWART	Released	⋮
●	AD.LIM MBO	Planned	

AIRPORT/HELIPORT CLOSURE (AD.CLS)

< New (original) - Released >

Airport / Heliport: CFPCU EGSNR

Start Time: 2024-04-27 11:57 End Time: 2024-05-02 00:00

Schedule: None

ICAO NOTAM Preview

C1883/24 NOTAM#
Q) ??/QFALC/IV/NBO/A/000/999/4513516922E005
A) NZLX B) 2404271157 C) 2405020000
E) AD CLOSED

Close Terminate Immediately

Details

Both methods will open the **Details** pane.

i Please refer to the [Details](#) section of the [Create Digital NOTAM](#) chapter for information, as it is exactly the same in scope and content - the only difference that the data will be **read-only** in this *display* context.

Actions

Natural Descriptor

Released Planned All Reset

Activity	Title	Proc. Status	Actions
<input checked="" type="checkbox"/>	AD.LIM EDMK KEMPTEN- DURACH	Released Planned	
<input checked="" type="checkbox"/>	AD.CLS LZNZ NOVE ZAMKY	Released	⋮
<input checked="" type="checkbox"/>	SAA.NEW TSA RR	Planned	
<input checked="" type="checkbox"/>	SAA.NEW D DD	Released	⋮
<input checked="" type="checkbox"/>	SAA.NEW D DD	Released	⋮
<input checked="" type="checkbox"/>	AD.CLS CZST STEWART	Released	⋮
<input checked="" type="checkbox"/>	AD.LIM MBO	Planned	

AIRPORT/HELIPORT CLOSURE (AD.CLS)

< New (original) - Released >

Airport / Heliport
LZNZ NOVE ZAMKY

Start Time: 2024-04-22 10:51
End Time: 2024-04-24 10:25 EST

Schedule
None

ICAO NOTAM Preview

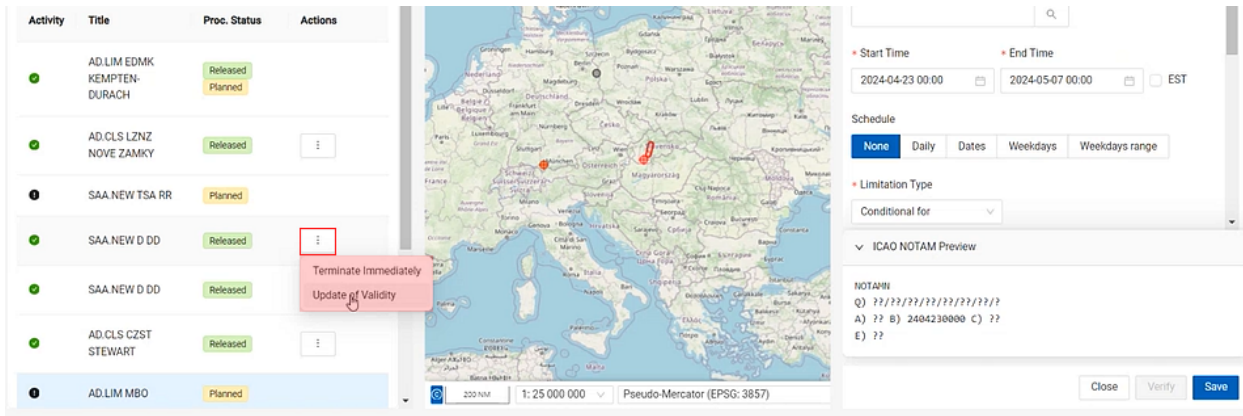
C8024/24 NOTAM#
Q) LZBB/QFALC/IV/MBO/A/000/999/4758101811E005
A) LZNZ B) 2404221051 C) 2404241025EST
E) AD CLOSED DUE TO REASON.

Close Update of Validity Terminate Immediately

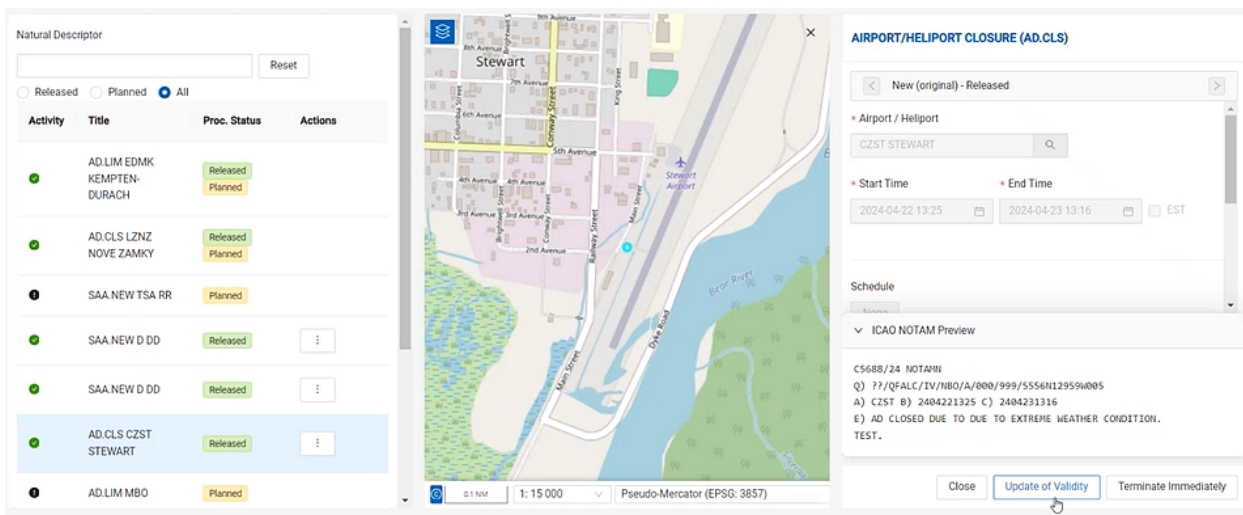
- Close: //DEF
- [Update of Validity](#)
- [Terminate Immediately](#)

6.9.2.1. Update of Validity

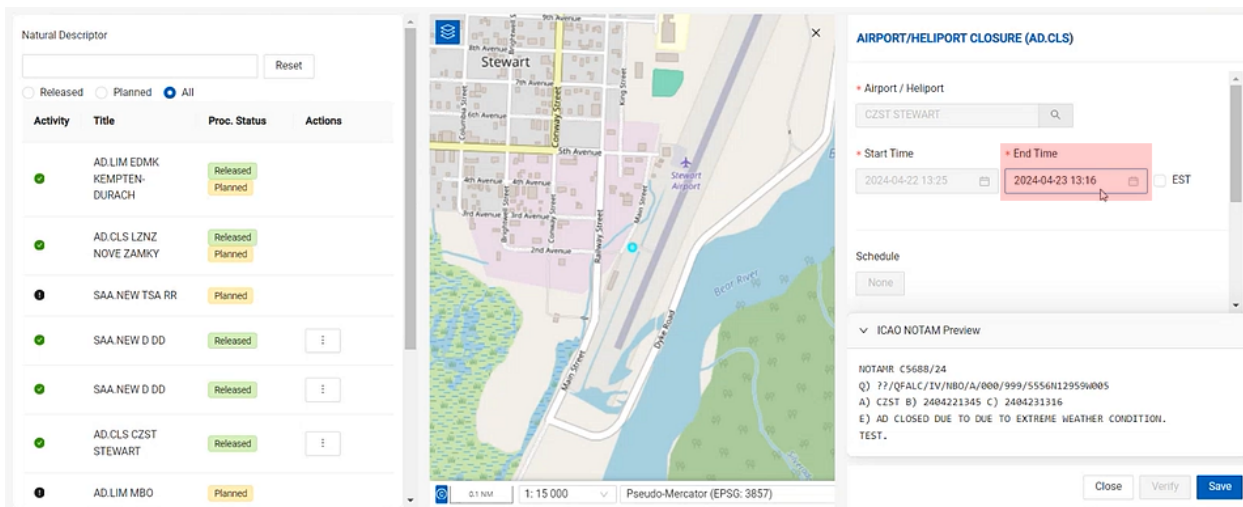
The **Update of Validity** command is available for *Non-Active* events, either from the *Action* menu of the **List** pane...



... of from the *Action* button on the **Details** pane:



Both methods will have the **Details** form in *edit* mode so you can make changes in the **End Time** field (*shortening* or *extending*):



Lastly, click on the **Save** button to execute the command and the resulting **NOTAMR** (for NOTAM Replacement) will be issued and distributed.

The screenshot displays the 'Digital NOTAM Management' interface. At the top, it shows the 'Effective Date' range from 2024-04-22 00:00 to 2024-05-06 00:00, with a 'Date Range' toggle. Below this, there is a 'Natural Descriptor' search field and a 'Reset' button. A filter section includes radio buttons for 'Released', 'Planned', and 'All', with 'All' selected. A table lists activities with columns for 'Activity', 'Title', 'Proc. Status', and 'Actions'. The table contains two entries: 'AD LIM EDMK KEMPTEN-DURACH' and 'AD CLS LZNZ NOVE ZAMKY', both with 'Released' and 'Planned' status indicators. A map in the center shows a geographical area with a highlighted route. On the right, an 'AIRPORT/HELIPORT' dropdown is set to 'LZNZ.NOVE ZAMKY'. Below this, 'Start Time' is set to '2024-04-22 10:51' and 'End Time' is set to 'Now'. A 'New NOTAM to follow' checkbox is present. A notification box in the top right corner states: 'Successful immediate Event termination. Immediate termination of Event AD.CLS was successfully saved.'

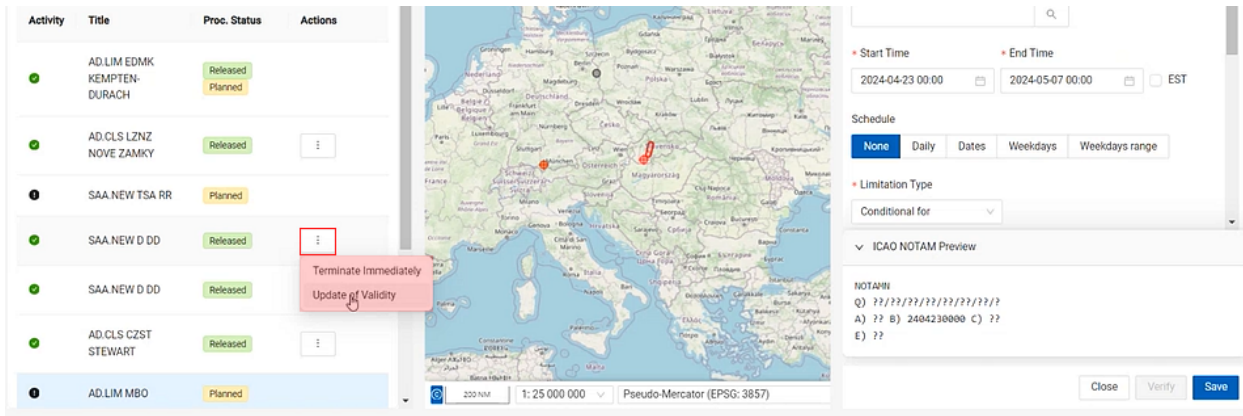
A new **Data Change Proposal** is created to reflect your action.



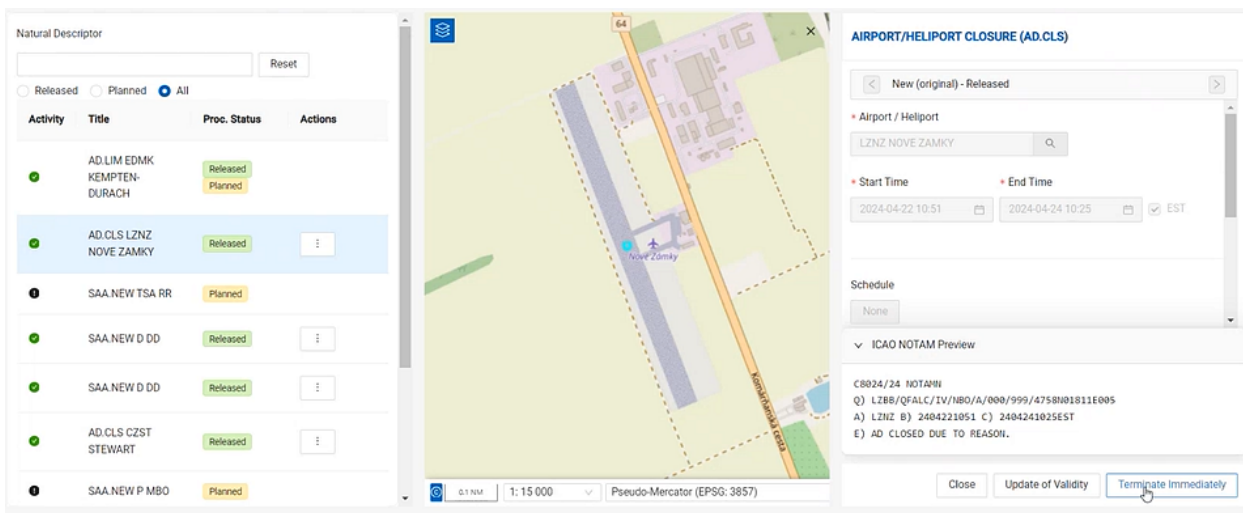
Please refer to the [AIS Data Change Proposal Management](#) chapter for further information.

6.9.2.2. Terminate Immediately

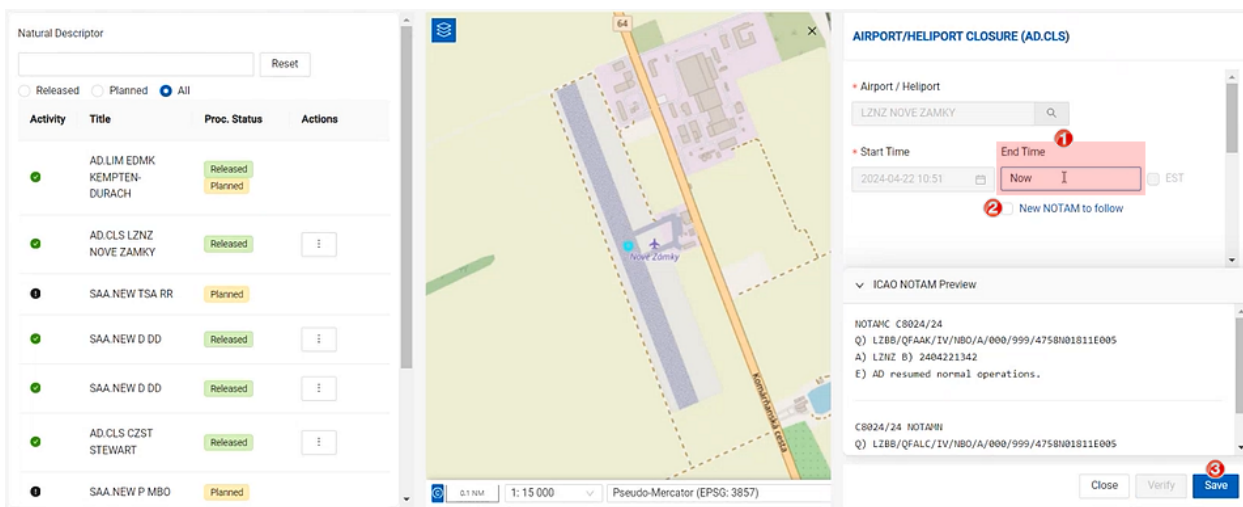
A **Terminate Immediately** command is available for *Non-Active* events, either from the *Action* menu of the **List** pane...



... of from the *Action* button on the **Details** pane:



Both methods will have the **Details** form in *edit* mode:



1. The **End Time** is automatically set to **Now**,
2. You have the option to check the **New NOTAM to follow** notice,

3. Lastly, click on the **Save** button to execute the command and the resulting **NOTAMC** (for NOTAM Cancellation) will be issued and distributed.

The screenshot shows the 'Digital NOTAM Management' interface. At the top, there's a date range from 2024-04-22 00:00 to 2024-05-06 00:00. A notification in the top right corner states: 'Successful immediate Event termination. Immediate termination of Event AD.CLS was successfully saved'. Below this, there's a map of an airport area. On the left, a table lists activities with their titles and statuses. The right panel shows details for 'AIRPORT/HELIPORT' with a search for 'LZNZ NOVE ZAMKY' and a start time of '2024-04-22 10:51'.

Activity	Title	Proc. Status	Actions
<input checked="" type="radio"/>	AD.LIM EDMK KEMPTEN-DURACH	Released	
<input type="radio"/>		Planned	
<input checked="" type="radio"/>	AD.CLS LZNZ NOVE ZAMKY	Released	
<input type="radio"/>		Planned	

As a result, a new **Data Change Proposal** is created ...

The screenshot shows the 'AIS Data Change Proposals' table. The table has columns for Object ID, Status, Subject, Description, Planned effective date from, Until, Originator, Creation date, Created by, and Actions. A new proposal, DCP-2024-1148, is highlighted in red. It has a status of 'APPROVED', subject 'NOTAMC AD.CLS', and description 'Cancellation of Digital NOTAM AD.CLS LZNZ NOVE ZAMKY'. The planned effective date is 2024-04-22 13:42, and it was created by 'adm' on 2024-04-22 13:42:40.

Object ID	Status	Subject	Description	Planned effective date from	Until	Originator	Creation date	Created by	Actions
DCP-2024-1150	APPROVED	Locust - Performance test	Create Data Change Proposal with parameter plannedEffectiveDateTo	2025-02-02 23:59	2027-03-01 08:00	Avitech Bratislava 1 - Optional	2024-04-22 13:42:48	edtapp_avi_user	
DCP-2024-1149	RELEASED	Locust - Performance test	Create Data Change Proposal with parameter plannedEffectiveDateTo	2025-02-02 23:59	2027-03-01 08:00	Avitech Bratislava 1 - Optional	2024-04-22 13:42:41	edtapp_avi_user	
DCP-2024-1148	APPROVED	NOTAMC AD.CLS	Cancellation of Digital NOTAM AD.CLS LZNZ NOVE ZAMKY	2024-04-22 13:42	2024-04-22 13:42		2024-04-22 13:42:40	adm	
DCP-2024-1147	RELEASED	Locust - Performance test	Create Data Change Proposal with parameter plannedEffectiveDateTo	2025-02-02 23:59	2027-03-01 08:00	Avitech Bratislava 1 - Optional	2024-04-22 13:42:33	edtapp_avi_user	
DCP-2024-1146	RELEASED	Locust - Performance test	Create Data Change Proposal with parameter plannedEffectiveDateTo	2025-02-02 23:59	2027-03-01 08:00	Avitech Bratislava 1 - Optional	2024-04-22 13:42:25	edtapp_avi_user	
DCP-2024-1145	RELEASED	Locust - Performance test	Create Data Change Proposal with parameter plannedEffectiveDateTo	2025-02-02 23:59	2027-03-01 08:00	Avitech Bratislava 1 - Optional	2024-04-22 13:42:18	edtapp_avi_user	

... That you can then handle in various ways - i.e. **Release**:

The screenshot shows the 'Edit AIS Data Change Proposal DCP-2024-1148' interface. The proposal is in 'APPROVED' status. The subject is 'NOTAMC AD.CLS'. The originator is empty. The interpretation is set to 'Temporary'. The valid from and valid to dates are both '2024-04-22 13:42'. The description is 'Cancellation of Digital NOTAM AD.CLS LZNZ NOVE ZAMKY'. A dropdown menu is open, showing options: Export, Rebase, Release (highlighted), Verify, and View. The 'Release' option is selected.



Please refer to the [AIS Data Change Proposal Management](#) chapter for further information.

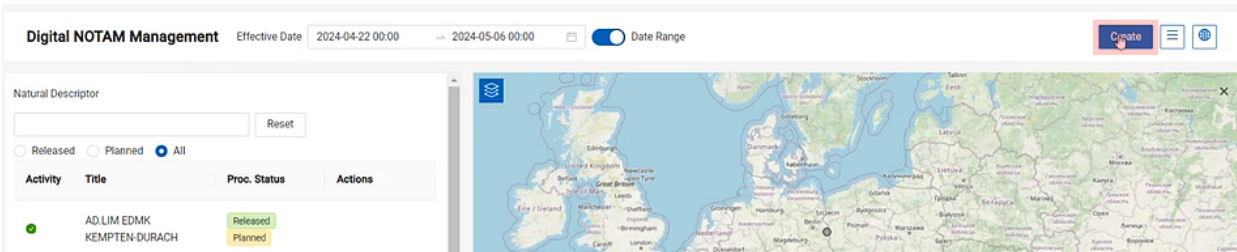
6.9.3. Create Digital NOTAM



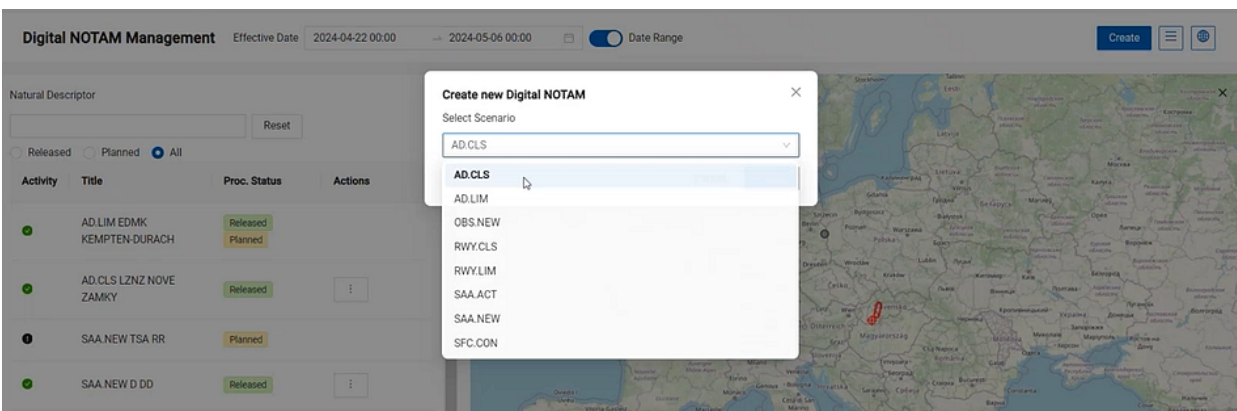
Digital NOTAM can be created in two ways:

- Via the [Data Change Proposals](#) application
- Directly via **Digital NOTAM Management** application - see below.

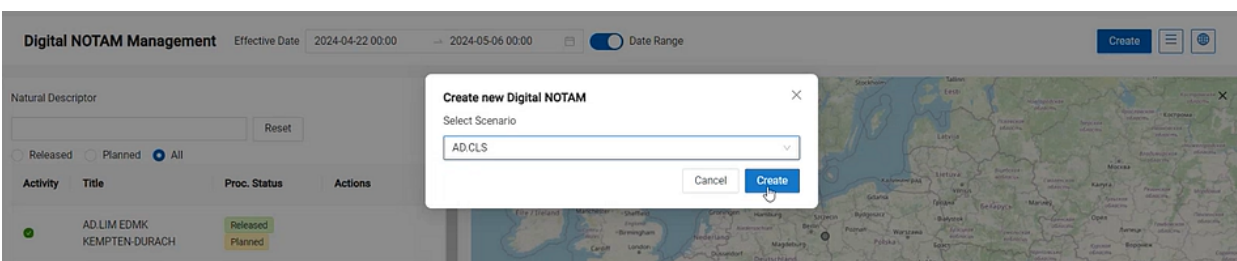
Click on the **Create** button to start the *Digital NOTAM* creation process:



The first step is about selecting a scenario from the proposed list:



When done, click on the **Create** button from the *Create new Digital NOTAM* dialog:



Details

The *Details* pane opens and the **Create** form is now ready for you to fill in:

Natural Descriptor

Released Planned All

Activity	Title	Proc. Status	Actions
AD.LIM EDMK	KEMPTEN-DURACH	Released Planned	
AD.CLS LZNZ	NOVE ZAMKY	Released	
SAA.NEW TSA RR		Planned	
SAA.NEW D DD		Released	
SAA.NEW D DD		Released	
SAA.NEW P MBO		Planned	
AD.CLS EDT AUT	EJINN	Released	Terminate Immediately

200 NM 1:25 000 000 Pseudo-Mercator (EPSG: 3857)

AIRPORT/HELIPORT CLOSURE (AD.CLS)

Airport / Heliport

Start Time 2024-04-22 13:15 End Time Select date EST

Schedule

None Daily Dates Weekdays Weekdays range

ICAO NOTAM Preview

NOTAM#

Q) ???/??/??/??/??/??/??/??

A) ?? B) 2404221315 C) ??

E) ??

Close Verify Save

i The input form will be dependent on the selected scenario - this example is based on the **AD.CLS** scenario.

Natural Descriptor

Released Planned All

Activity	Title	Proc. Status	Actions
AD.LIM EDMK	KEMPTEN-DURACH	Released Planned	
AD.CLS LZNZ	NOVE ZAMKY	Released	
SAA.NEW TSA RR		Planned	
SAA.NEW D DD		Released	
SAA.NEW D DD		Released	
SAA.NEW P MBO		Planned	
AD.CLS EDT AUT	EJINN	Released	Terminate Immediately

200 NM 1:25 000 000 Pseudo-Mercator (EPSG: 3857)

AIRPORT/HELIPORT CLOSURE (AD.CLS)

1 Airport / Heliport

CZST STEWART

2 Start Time 2024-04-22 13:25 End Time 2024-04-23 13:16 EST

Schedule

3 None Daily Dates Weekdays Weekdays range

Eg. Every day, from 10:00 to 17:00

Daily

Time Event Time Event

Start Time End Time

ICAO NOTAM Preview

Close Verify Save

1. **[Variable] Scenario related properties** - Here simply the [Natural Descriptor](#) of the selected **Airport / Heliport**
2. **Start Time & End Time:** Indication of the date and time validity

i Check **EST** (for estimated) to display all valid estimated NOTAM where item C is valid between the start and end defined dates

3. **Schedule:** Please refer to the [Schedule](#) chapter for detailed information.

Natural Descriptor

Released Planned **All** Reset

Activity	Title	Proc. Status	Actions
●	AD.LIM EDMK KEMPTEN-DURACH	Released Planned	
●	AD.CLS LZNZ NOVE ZAMKY	Released	⋮
●	SAA.NEW TSA RR	Planned	
●	SAA.NEW D DD	Released	⋮
●	SAA.NEW D DD	Released	⋮
●	SAA.NEW P MBO	Planned	
●	AD.CLS EDT AUT EJINN	Released	Terminate Immediately

AIRPORT/HELIPORT CLOSURE (AD.CLS)

SCHEDULE: **None** Daily Dates Weekdays Weekdays range

Closure reason
4 due to extreme weather condition

Note
5 test

6 ICAO NOTAM Preview

NOTAMN
Q) ??/QFALC/IV/NBO/A/000/999/5556N12959W005
A) CZST B) 2404221325 C) 2404231316
E) AD closed due to due to extreme weather condition.
Test.

Close Verify **Save** 7

4. **Closure reason:** A brief text to describe the reason
5. **Note:** Free text area
6. **ICAO NOTAM Preview:** Dynamically updated exact rendering of what the NOTAM will be like when generated
7. **Save button:** The Map is immediately updated and zoomed/centered on the created event:

Natural Descriptor

Released Planned **All** Reset

Activity	Title	Proc. Status	Actions
●	AD.LIM EDMK KEMPTEN-DURACH	Released Planned	
●	AD.CLS LZNZ NOVE ZAMKY	Released	⋮
●	SAA.NEW TSA RR	Planned	
●	SAA.NEW D DD	Released	⋮
●	SAA.NEW D DD	Released	⋮
●	AD.CLS CZST STEWART	Planned	
●	SAA.NEW P MBO	Planned	

AIRPORT/HELIPORT CLOSURE (AD.CLS)

• Airport / Heliport
CZST STEWART

• Start Time
2024-04-22 13:25

• End Time
2024-04-23 13:16 EST

SCHEDULE: **None** Daily Dates Weekdays Weekdays range

6 ICAO NOTAM Preview

NOTAMN
Q) ??/QFALC/IV/NBO/A/000/999/5556N12959W005
A) CZST B) 2404221325 C) 2404231316
E) AD closed due to due to extreme weather condition.
Test.

Close Verify **Save**

As the **Digital NOTAM** event is created directly in the *Digital NOTAM Management* application and not in the *Data Change Proposal Management*, it is not yet released the operational data.

To do so, go ext to the **AIS Data Change Proposals** and locate the Event (*AD.CLS CZST STEWART* in this example) and select the **Edit** command from the *Actions* menu:

AIS Data Change Proposals Create

Object ID	Status	Subject	Description	Planned effective date from	Until	Originator	Creation date	Created by	Actions
DCP-2024-987	APPROVED	Locust - Performance test	Create Data Change Proposal with parameter plannedEffectiveDateTo	2025-02-02 23:59	2027-03-01 08:00	Avitech Bratislava 1 - Optional	2024-04-22 13:18:47	edtapp_avi_user	⋮
DCP-2024-986	RELEASED	Locust - Performance test	Create Data Change Proposal with parameter plannedEffectiveDateTo	2025-02-02 23:59	2027-03-01 08:00	Avitech Bratislava 1 - Optional	2024-04-22 13:18:39	edtapp_avi_user	⋮
DCP-2024-985	RELEASED	Locust - Performance test	Create Data Change Proposal with parameter plannedEffectiveDateTo	2025-02-02 23:59	2027-03-01 08:00	Avitech Bratislava 1 - Optional	2024-04-22 13:18:32	edtapp_avi_user	⋮
DCP-2024-984	RELEASED	Locust - Performance test	Create Data Change Proposal with parameter plannedEffectiveDateTo	2025-02-02 23:59	2027-03-01 08:00	Avitech Bratislava 1 - Optional	2024-04-22 13:18:24	edtapp_avi_user	⋮
DCP-2024-983	RELEASED	Locust - Performance test	Create Data Change Proposal with parameter plannedEffectiveDateTo	2025-02-02 23:59	2027-03-01 08:00	Avitech Bratislava 1 - Optional	2024-04-22 13:18:16	edtapp_avi_user	⋮
DCP-2024-982	APPROVED	NOTAMN AD.CLS	Creation of new Digital NOTAM AD.CLS CZST STEWART	2024-04-22 13:25	2024-04-23 13:16		2024-04-22 13:18:14	adm	⋮
DCP-2024-981	RELEASED	Locust - Performance test	Create Data Change Proposal with parameter plannedEffectiveDateTo	2025-02-02 23:59	2027-03-01 08:00	Avitech Bratislava 1 - Optional	2024-04-22 13:18:09	edtapp_avi_user	⋮
DCP-2024-980	RELEASED	Locust - Performance test	Create Data Change Proposal with parameter plannedEffectiveDateTo	2025-02-02 23:59	2027-03-01 08:00	Avitech Bratislava 1 - Optional	2024-04-22 13:18:01	edtapp_avi_user	⋮

The corresponding DCP detail opens and allows you to activate the **Edit** mode:

View AIS Data Change Proposal DCP-2024-982 APPROVED ⋮ Edit

Creation Date
Mon, 22 Apr 2024 13:18:14 GMT

Created By
adm

Events Attachments Activity Log

Event Natural Descriptor	Valid from	Valid to	Actions
AD.CLS CZST STEWART	2024-04-22 13:25	2024-04-23 13:16	⋮

< 1 >

From the *Events* tab, select the **Encode** command from the *Actions* available for the concerned event:

Creation Date
Mon, 22 Apr 2024 13:18:14 GMT

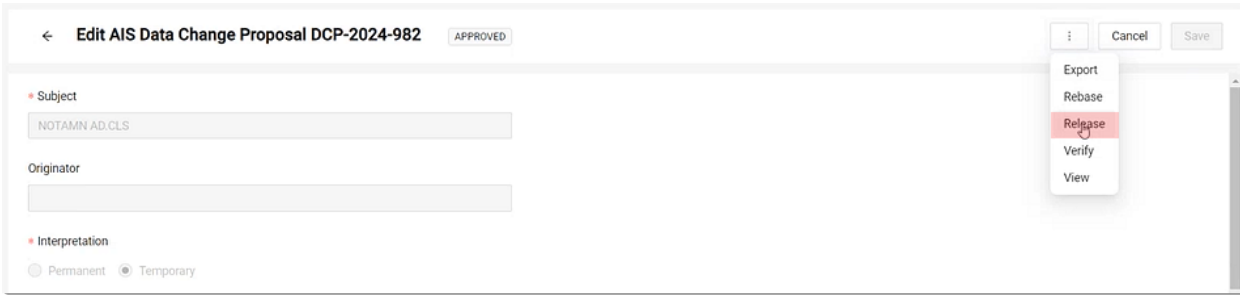
Created By
adm

Events Attachments Activity Log

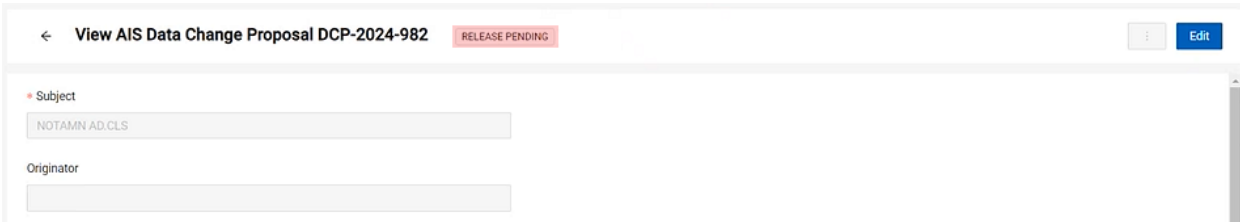
Event Natural Descriptor	Valid from	Valid to	Actions
AD.CLS CZST STEWART	2024-04-22 13:25	2024-04-23 13:16	⋮

Update
Verify
Encode
Discard
Add

From the *Data Change Proposal*, you now have to select the **Release** command:

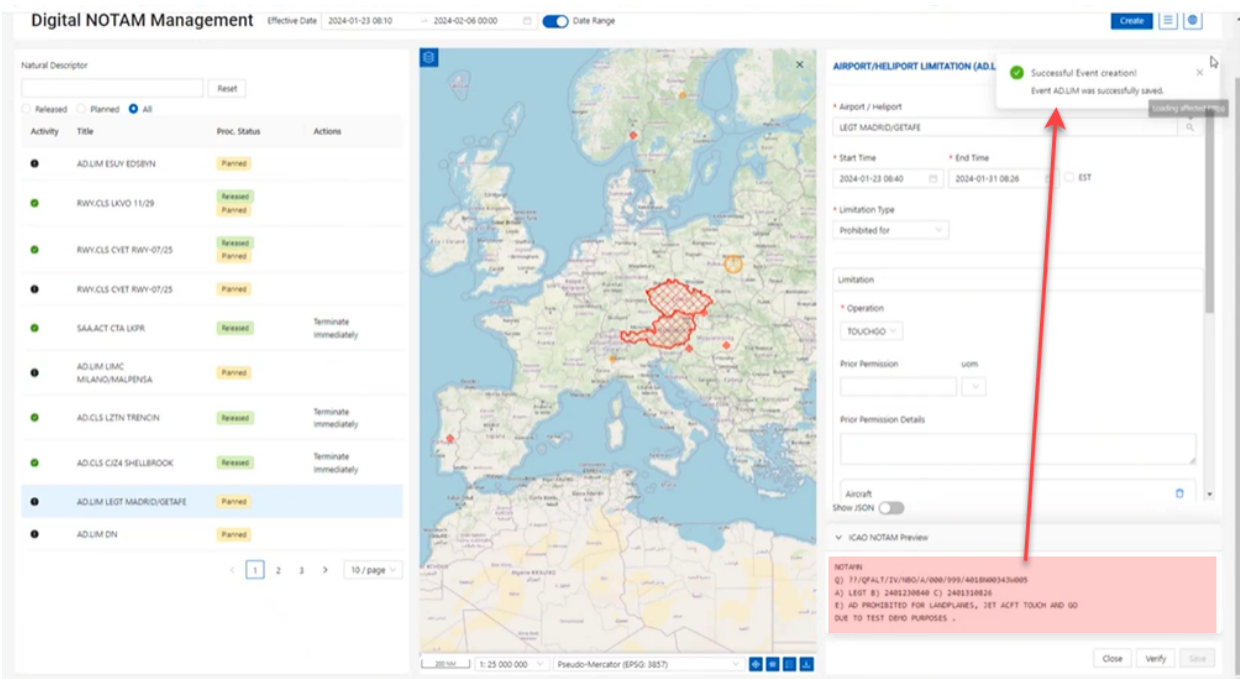


This will send the Digital NOTAM event to **NOTAM Office** for validation - and the event has now the *RELEASE PENDING* status:



Save

Then save the Digital NOTAM event



... then check in [AIS Data Change Proposals](#)

6.9.3.1. Schedule

The **Schedule** component allows you to specify the validity pattern of a given event:

The screenshot shows a form titled "AIRPORT/HELIPORT CLOSURE (AD.CLS)". It includes a search field for "Airport / Heliport", a "Start Time" field with a date picker (showing 2024-03-26 10:20) and an "End Time" field with a date picker (showing "Select date"). There is also a checkbox for "EST". At the bottom, there is a "Schedule" section with five buttons: "None", "Daily", "Dates", "Weekdays", and "Weekdays range". The "None" button is currently selected.

It features 5 different modes:

- [None](#)
- [Daily](#)
- [Dates](#)
- [Weekdays](#)
- [Weekdays range](#)

Each mode (except the *None* one) allow you to **add** or **remove** Schedules and *Except Dates* - see below in the [Manage](#) section.

None

In this case, no schedule has been associated to the event.

Daily

The **Daily** mode is to be used for a schedule valid every day (minus declared *Exception Dates*), Eg. Every day, from 10:00 to 17:00.

Schedule

None **Daily** Dates Weekdays Weekdays range

Eg. Every day, from 10:00 to 17:00

▼ Daily

Time Event	Time Event
* Start Time	* End Time
Select time 🕒	Select time 🕒

+ Add Schedule

+ Add Except Date

Schedule Note

The form is divided in two parts: *Start* and *End*

When the **Time** mode is selected, the start is expressed as a *Start Time* - and the as an *End Time*
 When the **Event** mode is selected, the time fields are replaced by this component:

Time Event	Time Event
* Start Event Rel. Start	* End Event Rel. End
<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
SR SS	+ Add Schedule + Add Except Date

- **Start Event:** //DEF
- **Rel. Start:** //DEF
- **(Options):** //DEF

Time and *Event* mode can be mixed in the same schedule.

Dates

The **Dates** mode is relevant for a schedule based on a sequence of dates.

▼ Dates

* Start Date	End Date
Select date 📅	Select date 📅
Time Event	Time Event
* Start Time	* End Time
Select time 🕒	Select time 🕒

+ Add Schedule

Use the **Start Date** and **End Date** fields to specify the validity period - please refer to the [Use Dates](#) chapter for details.

The **Start** and **End** times behave as above described for the [Daily](#) mode

Weekdays

If the schedule is to involve certain days of the week on a regular basis (Eg. every Tuesday and Friday), **Weekdays** is the mode of choice.

Weekdays range

Weekdays range is best used when you need to schedule a number of weekdays in sequence, Eg. Friday, Saturday and Sunday:

Manage

- [Visibility](#)
- [Add Schedule](#)
- [Add Except Date](#)
- [Remove item](#)

Visibility

Click on the > **Expand** or the ▼ **Collapse** icon to respectively *show* or *hide* the content of a given item:

Daily 1

Daily 2

Time Event

* Start Time

22:30

Time Event

* End Time

23:40

Daily 1

Daily 2

Time Event

* Start Time

18:30

Time Event

* End Time

22:20

Time Event

* Start Time

22:30

Time Event

* End Time

23:40

Add Schedule

Daily

Time Event

* Start Time

18:30

Time Event

* End Time

22:20

+ Add Schedule

+ Add Next Date

The **Add Schedule** button allows you to create multiple additional schedules in the selected category. When doing so, the successive items get an ordinal number (*Daily 1* and *Daily 2* in the example below):

▼ Daily 1

Time Event Time Event

* Start Time * End Time

18:30 22:20

▼ Daily 2

Time Event Time Event

* Start Time * End Time

22:30 23:40

+ Add Schedule

+ Add Except Date

Add Except Date

▼ Daily

Time Event Time Event

* Start Time * End Time

18:30 22:20

+ Add Schedule

+ Add Except Date

The **Add Except Date** button allows you create a series of date where the concerned event will not be valid - as the *Except Date 1* in the example below:

▼ Daily

Time Event Time Event

* Start Time * End Time

18:30 22:20

▼ Except Date 1


* Except Date

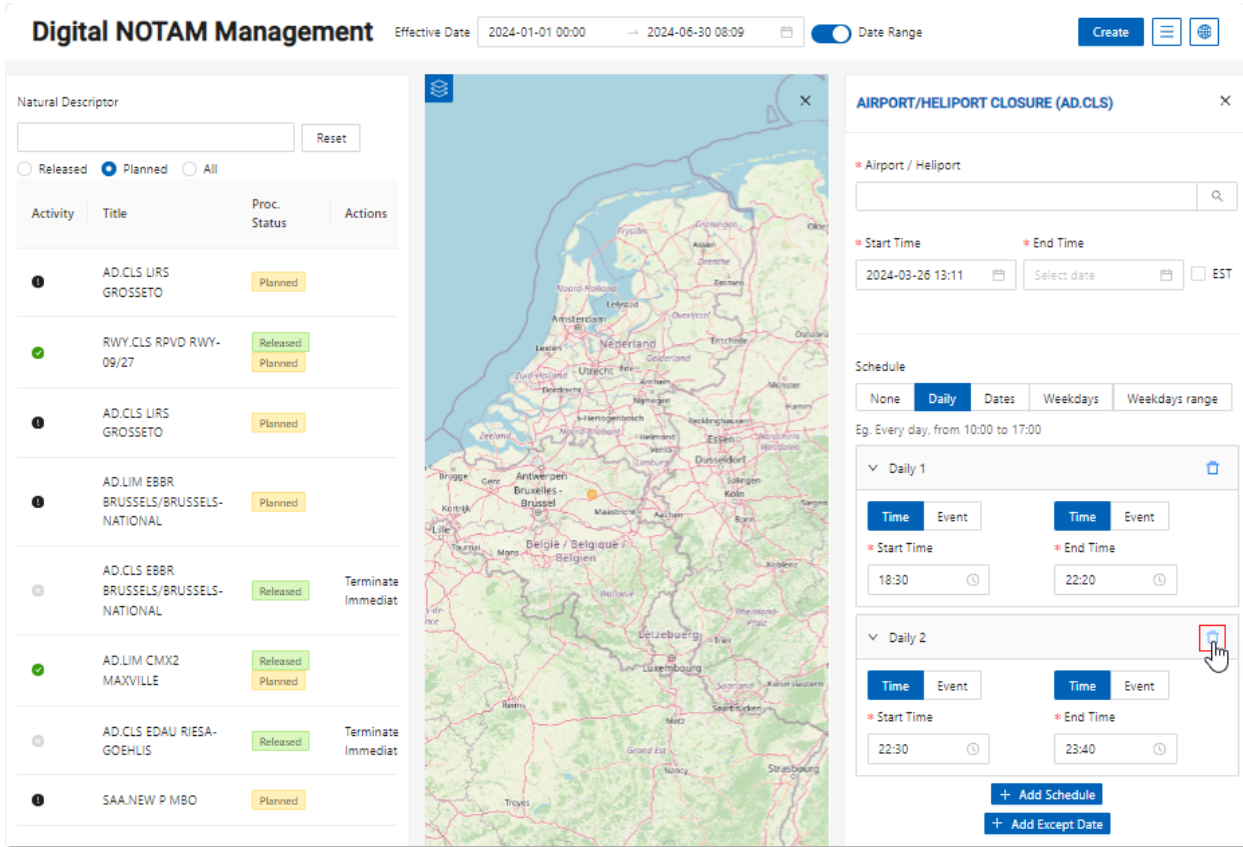
28-03

+ Add Schedule

+ Add Except Date

Remove items

Click on the  icon in the header of an item to remove the entry:



Digital NOTAM Management Effective Date: 2024-01-01 00:00 → 2024-06-30 08:09 Date Range Create ☰ 🌐

Natural Descriptor: Reset

Released Planned All

Activity	Title	Proc. Status	Actions
AD.CLS LIRS GROSSETO		Planned	
RWY.CLS RPVD RWY-09/27		Released Planned	
AD.CLS LIRS GROSSETO		Planned	
AD.LIM EBBR BRUSSELS/BRUSSELS-NATIONAL		Planned	
AD.CLS EBBR BRUSSELS/BRUSSELS-NATIONAL		Released	Terminate Immediat
AD.LIM CMX2 MAXVILLE		Released Planned	
AD.CLS EDAU RIESA-GOEHLIS		Released	Terminate Immediat
SAA.NEW P MBO		Planned	

AIRPORT/HELIPORT CLOSURE (AD.CLS)

* Airport / Heliport:

* Start Time: 2024-03-26 13:11 * End Time: EST

Schedule: None Daily Dates Weekdays Weekdays range

Eg. Every day, from 10:00 to 17:00

▼ Daily 1 🗑️

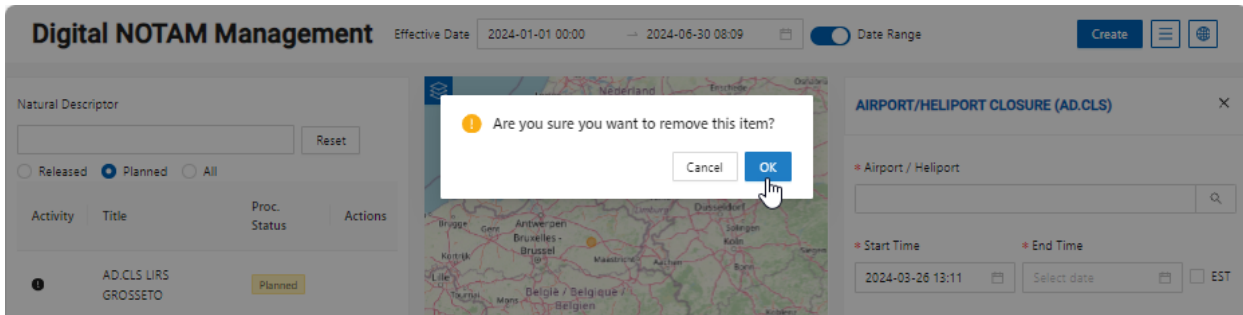
* Start Time: 18:30 * End Time: 22:20

▼ Daily 2 🗑️

* Start Time: 22:30 * End Time: 23:40

+ Add Schedule
+ Add Except Date

Confirm with a click on the **OK** button in the dialog:



Digital NOTAM Management Effective Date: 2024-01-01 00:00 → 2024-06-30 08:09 Date Range Create ☰ 🌐

Natural Descriptor: Reset

Released Planned All

Activity	Title	Proc. Status	Actions
AD.CLS LIRS GROSSETO		Planned	

AIRPORT/HELIPORT CLOSURE (AD.CLS)

* Airport / Heliport:

* Start Time: 2024-03-26 13:11 * End Time: EST

Are you sure you want to remove this item?

6.10. AIS Product Management

i In the context of eEAD, an **AIS Product** can be considered as a specific AIS Data publication.

The screenshot shows the 'AIS Product Calendar' interface. At the top right is a blue 'Create' button. Below it are several input fields for filtering: Object ID, Type (dropdown), Title, Year, Effective start, Effective end, AIRAC (dropdown), Publisher, Publication (date picker), and Created by. There are also fields for Creation date, Modified by, and Modification date, with a 'Reset' button. Below the filters is a table with the following data:

Object ID	Type	Title	Year	Effective start	Effective end	AIRAC	Publisher	Publication	Created by	Creation date	Modified by	Modification date	Actions
PDT-2024-1	AIP_SUP	SUP ELLX	2024	2024-05-16 00:00		NO		2024-05-02 11:27	logged-user--- T8D-on-8E	2024-03-25 11:29:05			

At the bottom right, it shows '1-1 of 1 items' and '10 / page'.

The layout and available actions are similar to what is being used in other **ADM** applications, such as the [AIS Data Change Proposals Management](#) or the [AIS Data Explorer](#).

Create

As you click on the **Create** button from the *AIS Product Calendar* view, you get the **Create AIS Product** form:

The screenshot shows the 'Create AIS Product' form. It has a 'Cancel' button and a 'Save' button at the top right. The form contains several required fields (marked with a red asterisk):

- Type:** A dropdown menu.
- Title:** A text input field.
- Series:** A dropdown menu.
- Number:** A text input field.
- Year:** A date picker labeled 'Select year'.
- Effective From:** A date picker with the value '2024-04-23 00:00'.
- Until:** A date picker labeled 'Select date'.
- AIRAC:** A dropdown menu.
- Publisher:** A text input field.
- Publication:** A date picker labeled 'Select date'.

- **Type:** Select from the list:
 - AIC
 - AIP_AMDT
 - AIP_SUP
 - INT_AIC
 - INT_AIP_AMDT
 - INT_AIP_SUP
- **Publisher:** Select from the Organization selection component

- Title
- Publication
- Series
- Number
- Year
- Effective From / Until
- AIRAC

When ready, click on the **Save** button to proceed:

← Create AIS Product

Cancel Save

* Type: AIC Publisher: CANADIAN AIRPORT

* Title: TEST FOR USER MANUAL * Publication: 2024-04-23 15:58

* Series: A

* Number: 123

* Year: 2020

* Effective From: 2024-04-23 00:00 Until: Select date

* AIRAC: NO

The created Product now appears in the list:

//SCREENSHOT

Products listed in this kind of library can be uploaded in various sections of the applications - as in the on text of an Event creation:

Add AIS Product

Title	Type	Effective from
SUP ELLX	AIP_SUP	2024-05-16 00:00

1-1 of 1 items < 1 > 10 / page

Cancel OK

Add

6.11. Data Issue Management

Data issues concern non fatal errors present in operational AIS data, that were not raised during the validation against the defined business rules.

A data issue can be created automatically by the system - i.e. to address non fatal errors spotted during the validation phase.

It can also be created and edited manually, by means of the **Data Issue Management** application.

Data Issue ID	Status	Feature type	Feature Natural Descriptor	Data provider	Creation date	Created by	Actions
DIS-2024-4094	OPEN	aiim:AirportHeliport	CZWL WOLLASTON LAKE: BASELINE S:3 C:0	1d3228cc-9de9-4222-8951-2926136953e5	2024-04-17 12:55:33	matej	
DIS-2024-4093	OPEN	aiim:AirportHeliport	CFP4 BRUCE MCPHAIL MEMORIAL: BASELINE S:4 C:0	1d3228cc-9de9-4222-8951-2926136953e5	2024-04-17 11:41:13	var_adka	
DIS-2024-4092	OPEN	aiim:AirportHeliport	CFP4 BRUCE MCPHAIL MEMORIAL: BASELINE S:4 C:0	1d3228cc-9de9-4222-8951-2926136953e5	2024-04-17 11:40:58	var_adka	
DIS-2024-4088	OPEN	aiim:AirportHeliport	CSB4 CHBOUGAMAU: BASELINE S:2 C:0	1d3228cc-9de9-4222-8951-2926136953e5	2024-04-17 10:31:06	e8fapp_avtUser	
DIS-2024-4060	IN_PROGRESS	aiim:Airspace	CTA EPCTA01 CTA01: BASELINE S:3 C:0	1d3228cc-9de9-4222-8951-2926136953e5	2024-04-16 23:05:00	e8fapp_avtUser	
DIS-2024-4026	OPEN			1d3228cc-9de9-4222-8951-2926136953e5	2024-04-16 14:14:23	var_adka	
DIS-2024-4023	CLOSED	aiim:Navaid	ENW VORTAC NENANA 64 59000972 -149 07287083: BASELINE S:1 C:0	1d3228cc-9de9-4222-8951-2926136953e5	2024-04-16 13:59:20	var_adka	VIEW
DIS-2024-4022	CLOSED	aiim:OrganisationAuthority	IRELAND MILITARY AVIATION EI MIL-AA-NL-AUTH: BASELINE S:1 C:0	1d3228cc-9de9-4222-8951-2926136953e5	2024-04-16 13:37:14	var_adka	VIEW
DIS-2024-4021	IN_PROGRESS	aiim:OrganisationAuthority	LETISTE ZNOJMO, SPOL. S R.O. LK-AD-OPR ORG: BASELINE S:2 C:0	1d3228cc-9de9-4222-8951-2926136953e5	2024-04-16 12:58:24	var_adka	
DIS-2024-4020	OPEN			1d3228cc-9de9-4222-8951-2926136953e5	2024-04-16 11:43:56	var_adka	

- As all the entries are listed by default, the **Filter** section allows you only display in the Results table, all system or user generated issues matching the selected attributes.
- The **Results Table** lists and sorts the entries, and allows the typical *View/Edit* actions

Actions

- [Create](#)
- [Edit](#)
- [Save](#)
- [Reopen](#)
- [Resolve](#)

Create

Click on the **Create** button to initiate the manual creation process:

Data Issue ID	Status	Feature type	Feature Natural Descriptor	Data provider	Creation date	Created by	Actions
DIS-2024-4094	OPEN	aiim:AirportHeliport	CZWL WOLLASTON LAKE: BASELINE S:3 C:0	1d3228cc-9de9-4222-8951-2926136953e5	2024-04-17 12:55:33	matej	
DIS-2024-4093	OPEN	aiim:AirportHeliport	CFP4 BRUCE MCPHAIL MEMORIAL: BASELINE S:4 C:0	1d3228cc-9de9-4222-8951-2926136953e5	2024-04-17 11:41:13	var_adka	

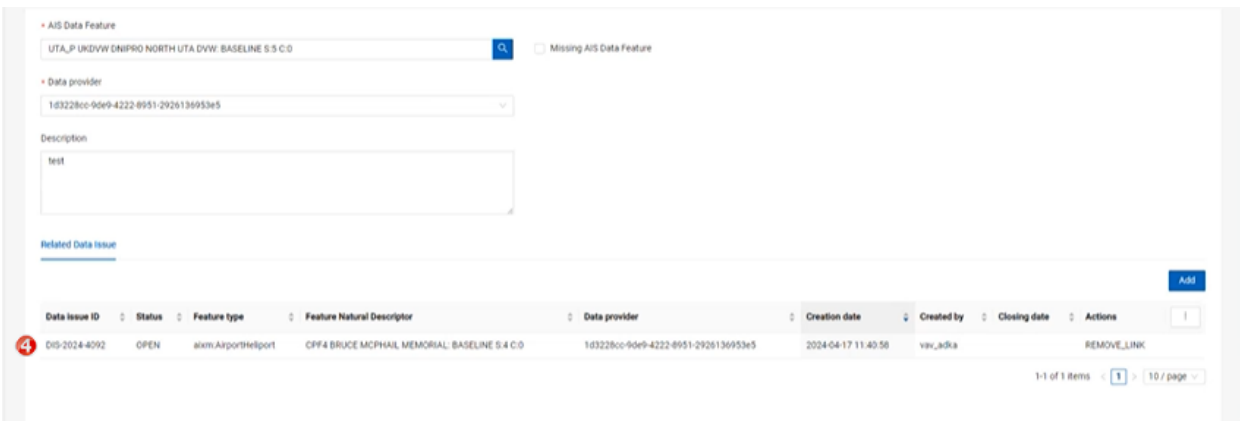
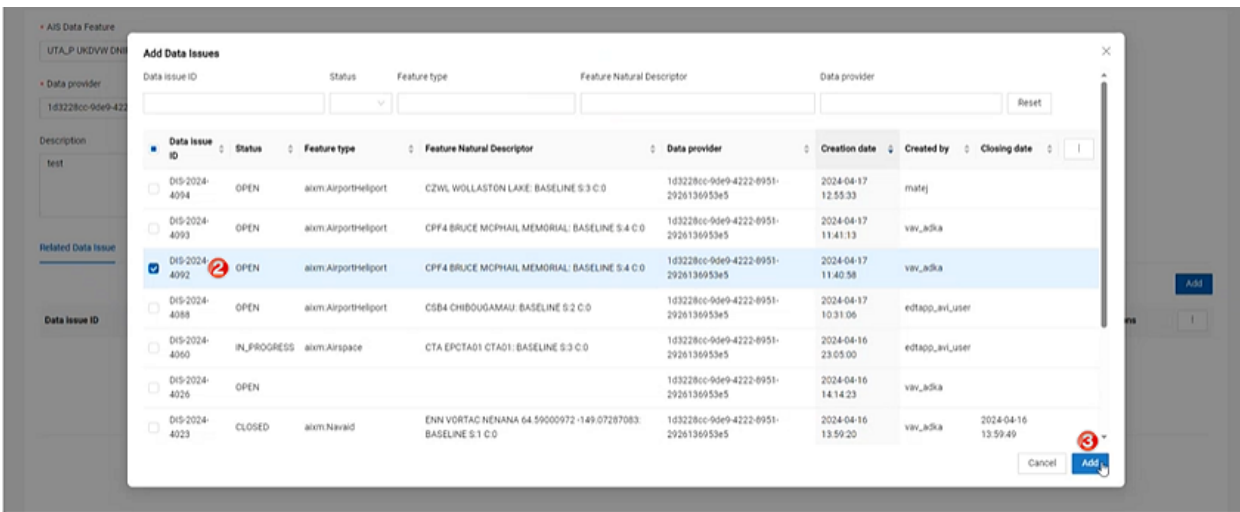
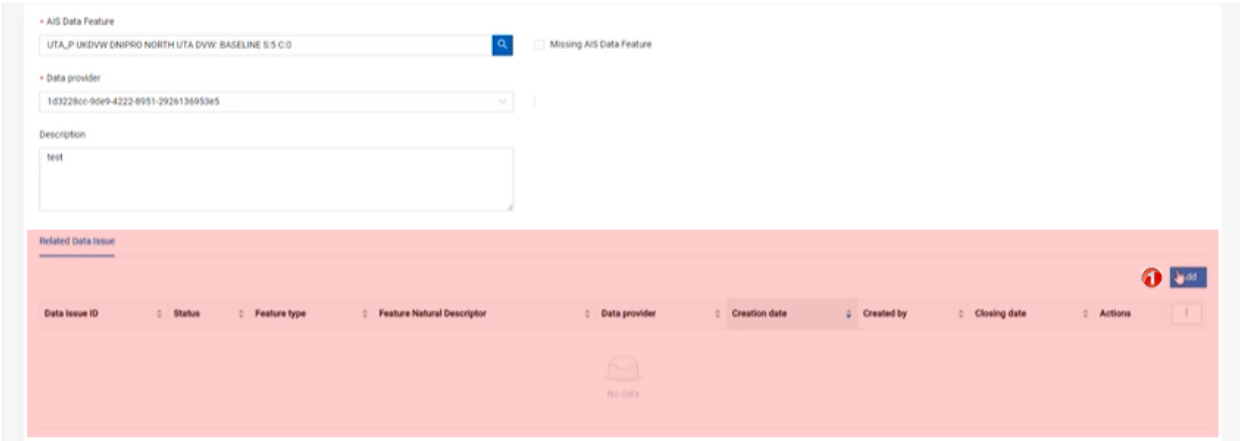
The next step will be to fill in the Data Issue template:

- **AIS Data Feature:** Specify the *Feature Type* and the concerned [Time Slice](#):

- **Missing AIS Data feature:** Tick that option to indicate that the data issue cannot be linked to an existing data feature

- **Data provider:** Automatically select in relation with the selected feature type

- **Description:** Optionally provide some additional information
- **Related Data Issue:** You can optionally add to this table, existing data issues to which you want to relate:



Edit

Click on the **Edit** button to enable the edition mode:

View AIS Data Issue DIS-2024-4095 Edit

AIS Data Feature

UTA_P UKDVW DNIPRO NORTH UTA DVW: BASELINE S:5 C:0 Missing AIS Data Feature

Data provider

1d3228cc-9d69-4222-8951-2926136953e5

Description

test

Created By:

marj

Creation Date:

2024-04-17T14:14:12.807Z

Related Data Issue

Data Issue ID	Status	Feature type	Feature Natural Descriptor	Data provider	Creation date	Created by	Closing date	
DIS-2024-4092	OPEN	airm:AirportHelport	CPF4 BRUCE MCPHAIL MEMORIAL: BASELINE S:4 C:0	1d3228cc-9d69-4222-8951-2926136953e5	2024-04-17 11:40:58	var_adka		

1-1 of 1 items 10 / page

In here, you can update the attributes that are editable (all of them, with the exception of the **Created by** and the **Creation Date**)

AIS Data Feature

UTA_P UKDVW DNIPRO NORTH UTA DVW: BASELINE S:5 C:0 Missing AIS Data Feature

Data provider

1d3228cc-9d69-4222-8951-2926136953e5

Description

test

Created By:

marj

Creation Date:

2024-04-17T14:14:12.807Z

Related Data Issue **Event** Add

Data Issue ID	Status	Feature type	Feature Natural Descriptor	Data provider	Creation date	Created by	Closing date	Actions
DIS-2024-4092	OPEN	airm:AirportHelport	CPF4 BRUCE MCPHAIL MEMORIAL: BASELINE S:4 C:0	1d3228cc-9d69-4222-8951-2926136953e5	2024-04-17 11:40:58	var_adka		REMOVE_LINK

1-1 of 1 items 10 / page

More importantly, since the record has been saved, you are able to create events containing the corrected data

in the now available **Event** tab:

AIS Data Feature

UTA_P UKDVW DNIPRO NORTH UTA DVW: BASELINE S:5 C:0 Missing AIS Data Feature

Data provider

1d3228cc-9d69-4222-8951-2926136953e5

Description

test

Created By:

marj

Creation Date:

2024-04-17T14:14:12.807Z

Related Data Issue **Event** Add

Data Issue ID	Status	Feature type	Feature Natural Descriptor	Data provider	Creation date	Created by	Closing date	Actions
DIS-2024-4092	OPEN	airm:AirportHelport	CPF4 BRUCE MCPHAIL MEMORIAL: BASELINE S:4 C:0	1d3228cc-9d69-4222-8951-2926136953e5	2024-04-17 11:40:58	var_adka		REMOVE_LINK

1-1 of 1 items 10 / page

Add Data Issues

Data issue ID: Status: Feature type: Feature Natural Descriptor: Data provider:

Data issue ID	Status	Feature type	Feature Natural Descriptor	Data provider	Creation date	Created by	Closing date
DIS-2024-4094	OPEN	airm:AirportHelport	CZW, WOLLASTON LAKE, BASELINE S:3 C:0	103228cc-9de9-4222-8951-2926136953e5	2024-04-17 12:55:33	matej	
DIS-2024-4093	OPEN	airm:AirportHelport	CPF4 BRUCE MCPHAIL MEMORIAL, BASELINE S:4 C:0	103228cc-9de9-4222-8951-2926136953e5	2024-04-17 11:41:13	vav_adka	
DIS-2024-4092	OPEN	airm:AirportHelport	CPF4 BRUCE MCPHAIL MEMORIAL, BASELINE S:4 C:0	103228cc-9de9-4222-8951-2926136953e5	2024-04-17 11:40:58	vav_adka	
DIS-2024-4088	OPEN	airm:AirportHelport	CSB4 CHIBOUGAMAU, BASELINE S:2 C:0	103228cc-9de9-4222-8951-2926136953e5	2024-04-17 10:31:06	edttapp_ah_User	
DIS-2024-4060	IN_PROGRESS	airm:Airspace	CTA EPCTA01 CTA01, BASELINE S:3 C:0	103228cc-9de9-4222-8951-2926136953e5	2024-04-16 23:05:00	edttapp_ah_User	
DIS-2024-4026	OPEN			103228cc-9de9-4222-8951-2926136953e5	2024-04-16 14:14:23	vav_adka	
DIS-2024-4023	CLOSED	airm:Navaid	ENN VORTAC NENANA 64 59000972-149 07287083, BASELINE S:1 C:0	103228cc-9de9-4222-8951-2926136953e5	2024-04-16 13:59:20	vav_adka	2024-04-16 13:59:49

By doing so, the data issue status is set to OPEN:

Edit AIS Data Issue DIS-2024-4095 OPEN

UTA_P UKRDVW DNIPRO NORTH UTA DVW, BASELINE S:5 C:0 Missing AIS Data Feature

Data provider: 103228cc-9de9-4222-8951-2926136953e5

Description: test

Created By: matej

Creation Date: 2024-04-17T14:14:12.807Z

Related Data Issue: Event

Event Natural Descriptor	Valid from	Valid to	Actions
UNGUIDED_PERM PERM012345678910*\$N()/*./>?@!@	invalid date		<input type="button" value="Add"/>

Save

Last thing is to **Save** your work:

Edit AIS Data Issue DIS-2024-4095 OPEN

UTA_P UKDVW DNIPRO NORTH UTA DVW: BASELINE S.5 C.0

Missing AIS Data Feature

Data provider: 1d3228cc-9d99-4222-8951-2926136953e5

Description: test

Created By: [name]

Creation Date: 2024-04-17T14:14:12.807Z

Related Data Issue: Event

Event Natural Descriptor	Valid from	Valid to	Actions
UNGUIDED_PERM PERM012345678916*5%()*+,->?@*_]	Invalid Date		[!]

1

View AIS Data Issue DIS-2024-4095 OPEN

Data Issue was successfully created.

AIS Data Feature: UTA_P UKDVW DNIPRO NORTH UTA DVW: BASELINE S.5 C.0

Missing AIS Data Feature

Data provider: 1d3228cc-9d99-4222-8951-2926136953e5

Send Notification

Description: test

Created By: [name]

Creation Date: 2024-04-17T14:14:12.807Z

Related Data Issue: Event

Data Issue ID	Status	Feature type	Feature Natural Descriptor	Data provider	Creation date	Created by	Closing date
DIS-2024-4092	OPEN	airm/AlporthHelport	CPF4 BRUCE MCPHAIL MEMORIAL: BASELINE S.4 C.0	1d3228cc-9d99-4222-8951-2926136953e5	2024-04-17 11:40:58	var_adka	

1-1 of 1 items | 10 / page

The data issue status is no longer OPEN - it is now stated as being IN PROGRESS:

View AIS Data Issue DIS-2024-4095 IN PROGRESS

AIS Data Feature: UTA_P UKDVW DNIPRO NORTH UTA DVW: BASELINE S.5 C.0

Missing AIS Data Feature

Data provider: 1d3228cc-9d99-4222-8951-2926136953e5

Send Notification

Description: test

Created By: [name]

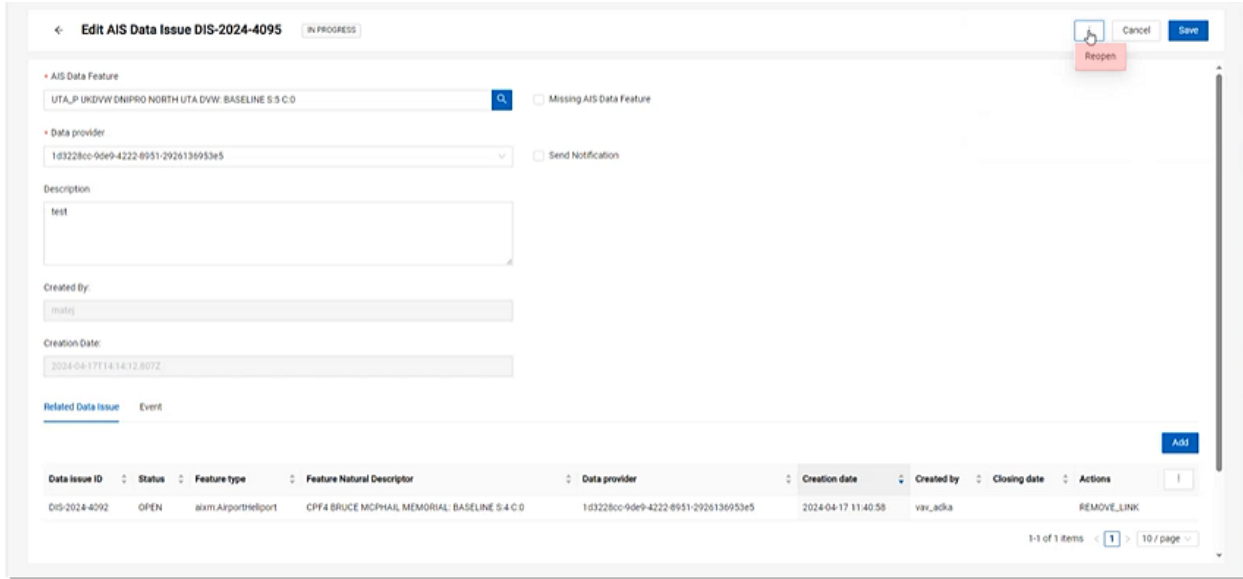
Creation Date: 2024-04-17T14:14:12.807Z

Related Data Issue: Event

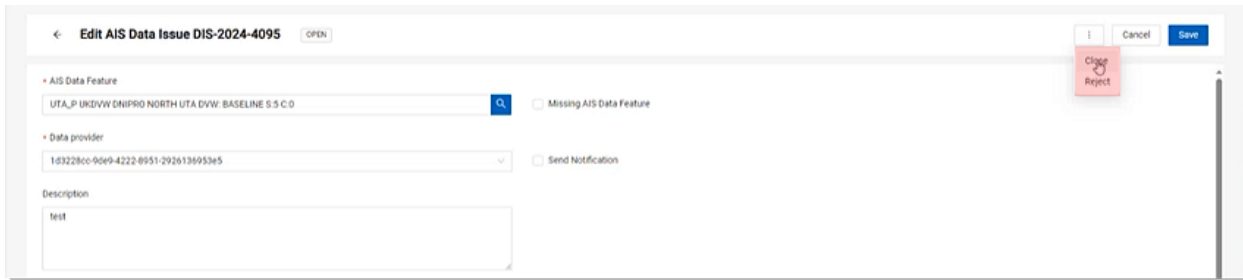
Event Natural Descriptor	Valid from	Valid to	Actions
UNGUIDED_PERM PERM012345678916*5%()*+,->?@*_]	Invalid Date		[!]

1

Reopen

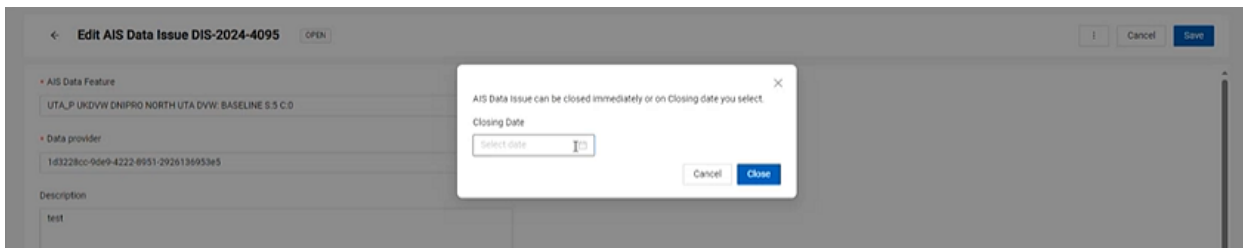


The **Reopen** action results in the associated Events to be unlinked and the status reverting from IN PROGRESS to OPEN, giving the possibility to either [Close](#) or [Reject](#) the issue:



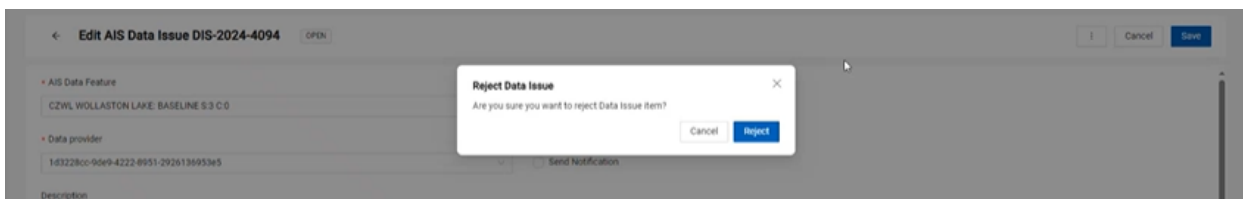
Close

You will be prompted to confirm the action - with the option to indicate a specific **Closing Date**:



Reject

This action allows a *Data Provider* to **Reject** an issue that he estimates is not relevant:



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EAD User Guide		

Issue resolution

The release of the *Change Proposal* to which the *Event* is linked finalizes the process, and the status of the issue is then set to SOLVED.

6.12. What-If AIS Data Management

The **What-If AIS Data Management** is very similar in concept and in usage, to the [AIS Data Change Proposal](#) application:

- Creation process
- Management of *Attachments, Events* and *Activity Logs*

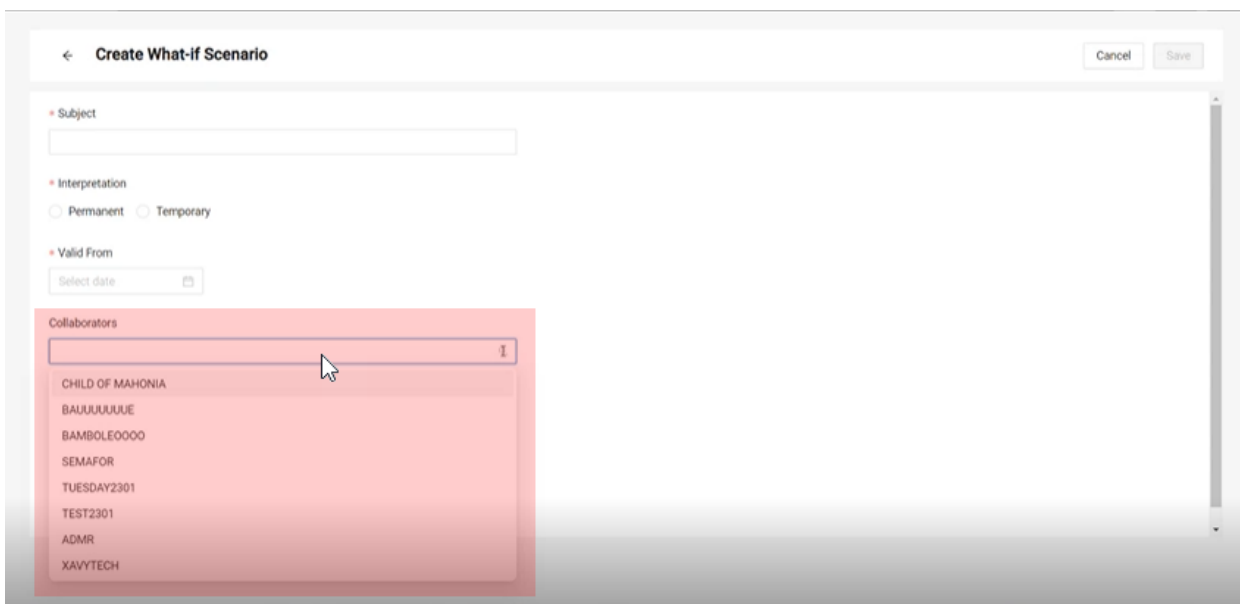
The major difference that the data encoded in that context is not to be released into Operational Data - you can view it as a *Simulation* area.

What-If Scenario - specific

Others differences are the following:

- [Collaborators](#)
- [Upload](#) action
- [Delete](#)
- [Promote](#)

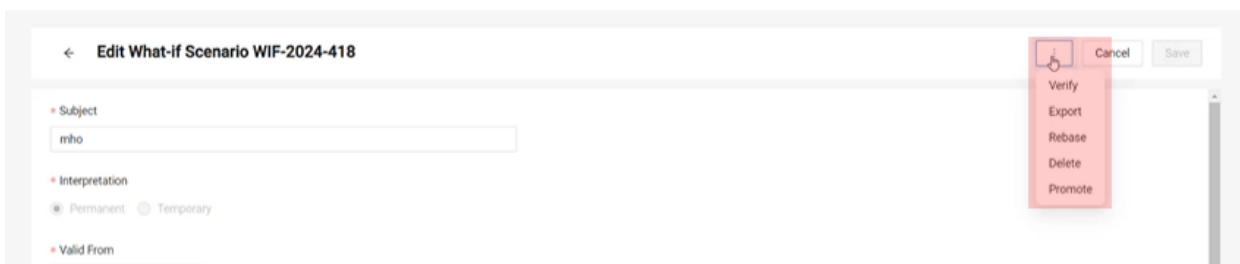
Collaborators



This is where you can specify one or more organizations that will have access to the scenario for collaboration purposes on potential data changes.

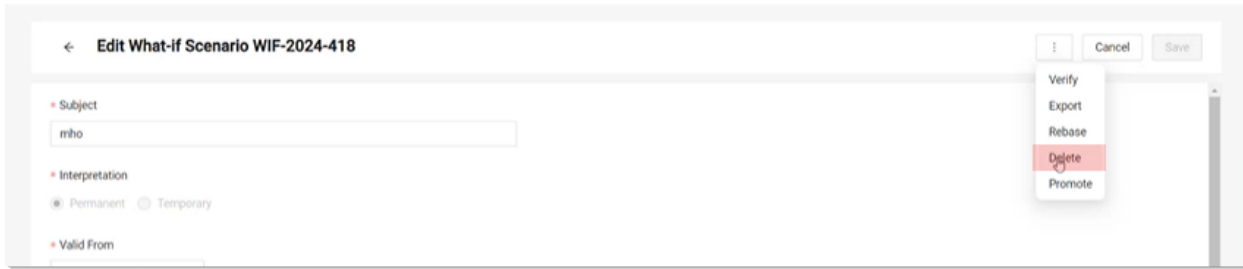
Upload

There is no **Upload** action in the menu:



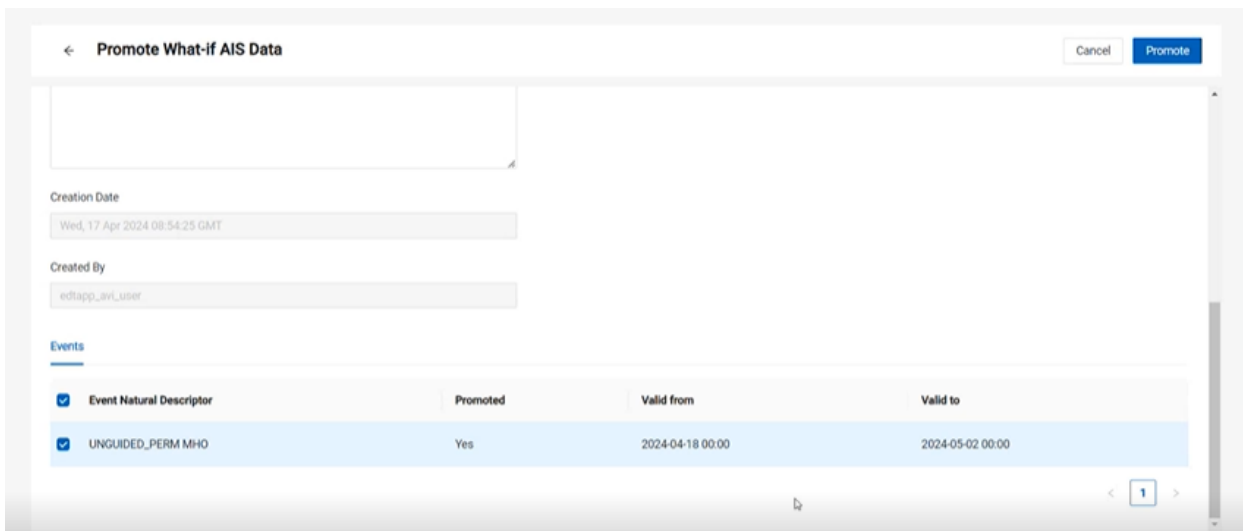
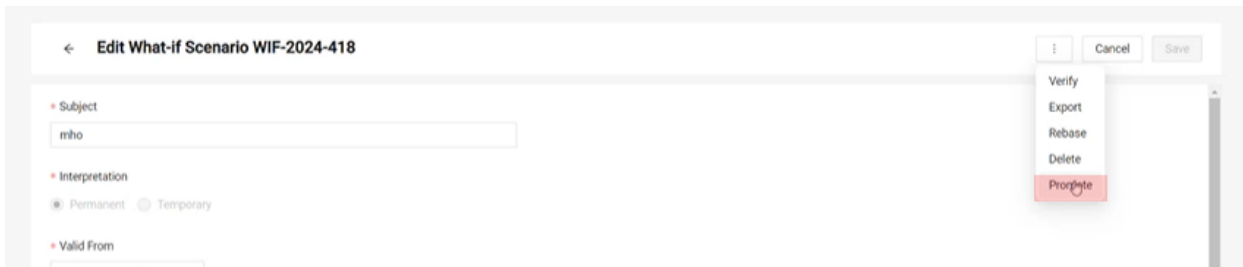
Delete

The **Delete** action allows you to delete the whole scenario, including its events and data:



Promote

When you are ready with the scenario and that the associated simulations have been performed by the third party systems, use this action to **promote** the encoded data to *originating data*:=



This means that a **Data Change proposal** is issued, and that the process described in the [AIS Data Change Proposals Management](#) chapter can take place.

Warning: While the various collaborating organizations can enter data inside the What-If Scenario, they can however only promote their own events - each promote action resulting in a separate DCP.

Info: A given organization can individually promote events, ending in the creation of as many DCPs - or promote the same event multiple time, with the same result.

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7. Admin Tools

7.1. AIMSL


Definitions

AIMSL stands for *AIM Service Layer*.

AIMSL Server provides interfaces to exchange information with systems external to **AIMSL Server** and **eEAD** (hereinafter referred to as AIMSL Clients or external B2B users).

AIMSL Server provides interfaces to eEAD subsystems using open, standard technologies that enable interoperability, in particular web services.

The AIMSL Server provides backwards compatibility to minimize impact on existing AIMSL Clients and their existing implementations of AIMSL Client software by reimplementing the existing EAD webservice primarily for AIS Data Upload and Download functionality. This means that the EAD and eEAD systems expose the same interfaces for AIMSL Clients. The AIMSL Server also provides a set of new eEAD services, exposed to AIMSL Clients.

 For wave1 the only Digital Product accessible through the AIMSL Server is **ADM**.

Concept

The AIMSL Server acts as a single access point for external Web Service requests. AIMSL Server is responsible for applying security to the SOAP message in the form of digital signatures.

This Digital Product implements the OASIS ws-notification specification standard and uses specific terms that need to be explained:

- **Notification Producer** - System that produces notifications, typically Digital Product.
- **Notification Consumer** - System that consumes notifications - AIMSL Clients (Data Users and Data Providers)
- **Notification** - Notification represents an information of the state of the system or process. It may also contain Digital Product's data (e.g. NOTAM objects).
- **Topic** - A Topic is the concept used to categorize Notifications and their related Notification schemas.
- **Subscription** - A Subscription represents the relationship between a Notification Consumer and a Notification Producer, including any filtering parameters such as Topic.

AIMSL Sever Major Features

- A Web Service proxy that redirects incoming SOAP and REST/HTTPS Web Service requests from external clients to the corresponding internal eEAD subsystems.
- A security traversal feature that fulfills the following functions:
 - Check the signatures of incoming messages and sign outgoing messages,
 - Check if there is a valid timestamp within the message,
 - Validate the Client Certificate chain,
 - Check if the Client Certificate is trusted,
 - Determine the eEAD user for the given Client Certificate,
 - Check if the user is authorized for AIMSL and the subsystem the incoming request is going to.
- A SOAP Broker, which supports a Publish/Subscribe exchange pattern. AIMSL Clients can subscribe to existing AIMSL Topics (e.g. ADM AIS Data Download dedicated AIMSL Topics) and will then receive all messages that Digital Products publish to this AIMSL Topic in an unsolicited manner.

Technologies

- HTTP as the primary network protocol
- SOAP/XML as the initial payload format
- XML Schema for the XML structure
- UDDI for web services registry and lookup
- WSDL to describe web services interfaces

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EAD User Guide		

- WFS to provide access to spatial data

7.2. AIS Data Uploads

The **Data Uploads** function allows you the following actions:

- Upload an AIXM file
- View the list of all uploads

The list can be sorted and filtered, and permits to retrieve details of an upload.


ID	Data Provider	Status	Progress	Result	Start	End	Type	AIXM Version	User	Action
e0ceae4b-4808-4ad4-a543-acfc719609a	ADS_TEST_ORG_PARENT	FINISHED	100%	ERROR	2024-05-13T07:29:14.158Z	2024-05-13T07:29:17.082Z	B2B	5.1.1	ads_admin	View
ca4c6635-21dd-4168-be7b-58b67015ed8d	ADS_TEST_ORG_PARENT	FINISHED	100%	ERROR	2024-05-12T22:57:29.493Z	2024-05-12T22:57:31.657Z	Manual	5.1.1	ads_admin	View
82c7135f-3e1d-4895-b481-787018aba390	ADS_TEST_ORG_PARENT	FINISHED	100%	SUCCESS	2024-05-12T22:57:22.425Z	2024-05-12T22:57:24.377Z	B2B	5.1.1	ads_admin	View
687ce7f3-9a4c-4c00-ba87-913ce2d4a8dd	ADS_TEST_ORG_PARENT	FINISHED	100%	SUCCESS	2024-05-12T22:57:18.372Z	2024-05-12T22:57:19.814Z	Manual	5.1.1	ads_admin	View
c956dae7-fd2d-42dc-b697-195d1f7d5129	ADS_TEST_ORG_PARENT	FINISHED	100%	SUCCESS	2024-05-12T22:57:11.627Z	2024-05-12T22:57:13.51Z	B2B	5.1.1	ads_admin	View

1. [Query](#)
2. [Results](#)
3. [Upload AIS Data](#)

Query

This sections is used to filter down the list of uploads displayed in the **Results** section.

Filters

- **ID:** The upload identifier
 - **Data Provider:** The Data Provider of the upload
 - **Status:** The status of the upload
 - **Progress:** Progress of the upload in %
 - **Result:** The result of a finished upload.
 - **Start:** Time stamp of the start of the upload
 - **End:** Time stamp of the end of the upload
-  Please refer to the [Use Dates](#) chapter for further information.
- **Type:** Indicates the upload type, *B2B* or *Manual*
 - **AIXM Version:** AIXM version of the uploaded data (*5.1* or *5.1.1*)
 - **User:** Name of the user who initiated the upload
 - **Reset:** //DEF

Results

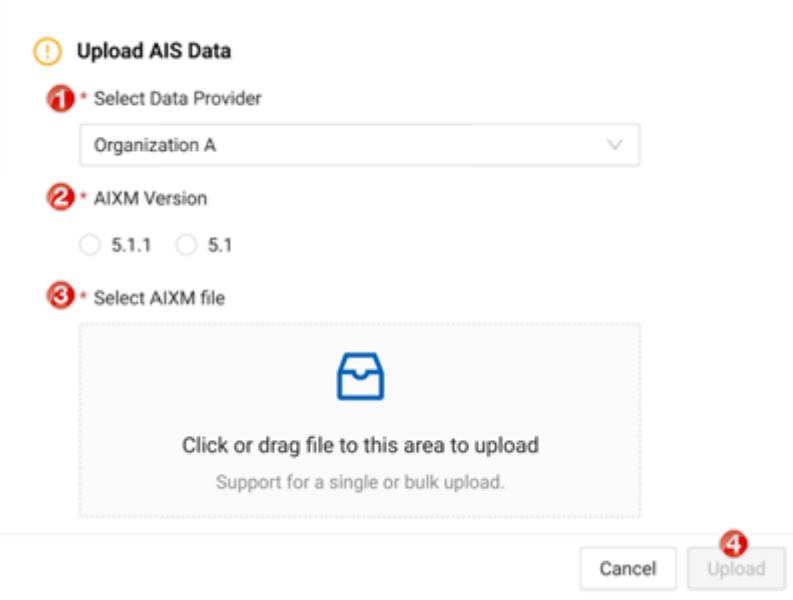
The system retrieves and displays all *B2B* and *manual* uploads matching the criteria defined in the **Query** area.

Click on the **View** link in the *Action* column (or on a given Data row) to get the corresponding [AIS Data Upload Detail](#) view.

 Please refer to the [Sort Columns in Tables](#) chapter for further information.


Upload AIS Data

This is the dialog you get when you click on the **Upload AIS Data** button:



The **Upload AIS Data** button is only enabled when both a Data Provider and an AIXM file have been selected.

1. Select a Data Provider
2. Select the AIXM Version
3. Fetch the file to be uploaded
4. Click on the button to upload the selected file and initiate the **AIS Data upload** process under the provided *Data Provider* and *User Identity*.

 If the selected **Data Provider** is not same as the logged user, (i.e. when DOP operates) then the upload will be executed "on behalf of" the designated Data Provider.

7.2.1. AIS Data Uploads Detail

← AIS Data Upload Detail
Close Refresh

ID	Type	
<input type="text" value="19af68b7-4210-47c1-99bd-e16306879595"/>	<input type="text"/>	
User	Data Provider	On Behalf Of Provider
<input type="text" value="Joe Doe"/>	<input type="text" value="Organization A"/>	<input type="text"/>
Status	Progress	Result
<input type="text" value="Finished"/>	<input type="text" value="100%"/>	<input type="text" value="Error"/>
Start	End	
<input type="text" value="2024-03-04T10:15:23.543Z"/>	<input type="text" value="2024-03-04T10:18:28.754Z"/>	
AIXM Version		
<input type="text" value="5.1.1"/>		
Feature Count	Time Slice Count	
<input type="text" value="15"/>	<input type="text" value="15"/>	

Steps
Report

Slot 1

Header

Action buttons

- **Close**
- **Refresh:** Forces a refresh of the displayed data when an upload is running.

Content

- All the fields are read-only - and display data as described in the [Filters](#) paragraph of the **AIS Data Uploads** chapter - except:
 - **Feature Count:** Total count of the uploaded features
 - **Time Slice Count:** Total count of the uploaded time slices
- The **Refresh** button is enabled only if the upload status is *In progress*. Clicking causes the system to reload all the data related to the displayed upload.

Tabs

Steps

Record of the steps that were performed during the upload of the file:

Steps
Download

Step	Progress	Started	Finished	Result	Duration
SPLIT	100%	2024-03-04T10:15:23.543Z	2024-03-04T10:15:23.596Z	Success	00:00:00.053
FORMAT_VALIDATION	100%	2024-03-04T09:12:29.517Z	2024-03-04T09:12:47.570Z	Success	00:00:01.053
TIME_SLICE_CONTENT_PROCESSING	100%	2024-03-04T09:05:54.854Z	2024-03-04T09:06:05.910Z	Warning	00:00:11.256
STORE	100%	2024-03-04T08:15:22.538Z	2024-03-04T08:16:42.549Z	Success	00:01:20.011

< 1 2 3 4 5 ... 50 >
10 / page

This table displays the upload statistics:

- **Step:** Stages/step
- **Progress:** Stages/progress
- **Started:** Time stamp of the start of the upload
- **Finished:** Time stamp of the end of the upload
- **Result:** Stages/result
- **Duration:** Duration of the upload - in milliseconds

Report

The Report table lists encountered violations and features the following information:

- **Step:** report/step
- **Feature type:** report/featureType
- **Feature ID:** report/featureIdentifier
- **Time slice:**
 - Interpretation
 - Sequence number
 - Correction number
- **Rule ID**
- **Severity**
- **Message**

Download

The report can be downloaded via the **Download** button:

Steps **Report**
Download

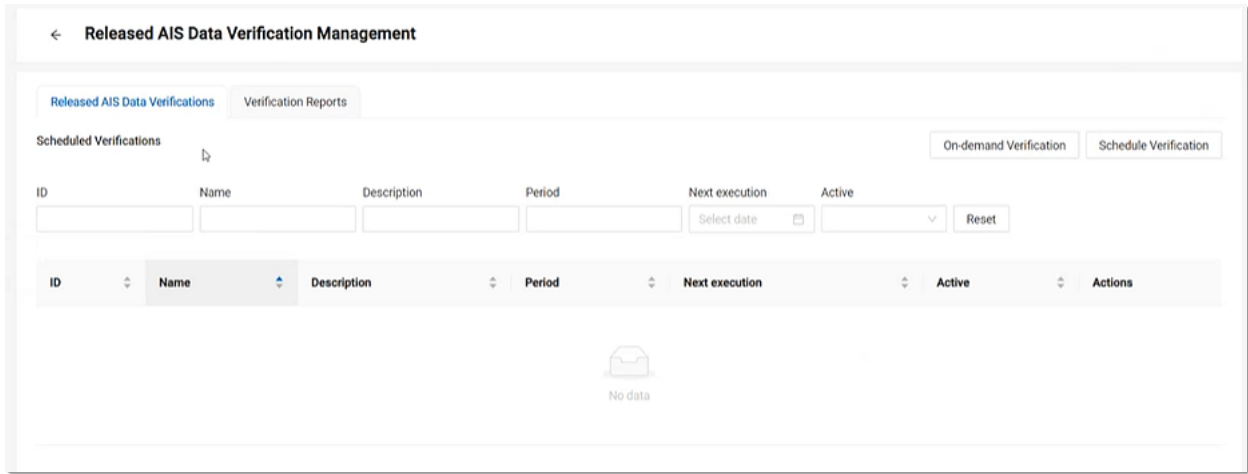
Step
Severity
Reset

Step	Feature Type	Feature ID	Time Slice	Rule ID	Severity	Message
BR_VALIDATION	AirportHeliport	330b7cbd-fb40-4de1-9948-12118c6fc405	BASELINE 1/0	1A33A3	ERROR	Found AirportHeliport without ARPElevatedPoint.pos value. Backwards mapping to AIXM 4.5 will not be possible.
BR_VALIDATION	AirportHeliport	330b7cbd-fb40-4de1-9948-12118c6fc405	BASELINE 1/0	1A33C5	ERROR	Found AirportHeliport without responsibleOrganisation value. Backwards mapping to AIXM 4.5 will not be possible.

1-2 of 2 items < 1 > 10 / page

7.3. Released Data Validation

The **Release Data Validation** application allows you verify the released AIS Data against a pre-defined set of [Business Rules](#).



- [Released AIS Data Verifications](#)
- [Verification Reports](#)

Released AIS Data Verifications

The tab lists //DEF

The verification process can occur on-demand, and can also be scheduled:

- [On-demand Verification](#)
- [Schedule Verification](#)

Verification Reports

This is where all Verification jobs that have been performed will be listed - please refer to the [Verification Reports](#) chapter for further information.

7.3.1. On-demand Verification

The screenshot shows the 'Released AIS Data Verifications' interface. At the top, there are two tabs: 'Released AIS Data Verifications' (active) and 'Verification Reports'. Below the tabs, there are two buttons: 'On-demand Verification' and 'Schedule Verification'. A table titled 'Scheduled Verifications' is displayed with columns: ID, Name, Description, Period, Next execution, and Active. The 'Next execution' column has a 'Select date' dropdown and a 'Reset' button. Below the table, there is a 'No data' message with a folder icon.

The screenshot shows the 'On-demand Verification' form. It has a back arrow and 'On-demand Verification' title. There are 'Cancel' and 'Run' buttons. The form contains several fields:

- Name:** A text input field.
- Description:** A large text area.
- Time Slice Applicability:** Radio buttons for 'BASELINE' and 'TEMPDELTA'.
- Effective date:** A date picker.
- AIS Data Feature Types:** Three tabs: 'AIS Data Feature Types' (active), 'Data Providers', and 'Business Rules'.
- Select AIS Data Feature Types to validate:** Two lists: 'Excluded Feature Types' (showing 126 items) and 'Included Feature Types' (showing 0 items). Both lists have search bars.

- **Name**
- **Description**
- **Time Slice Applicability**
- **Effective Date**

Three tabs

- [AIS Data Feature Types](#)
- [Data Providers](#)
- [Business Rules](#)

AIS Data Feature Types

Select the **Feature Type(s)** to be validated:

AIS Data Feature Types | Data Providers | Business Rules

Select AIS Data Feature Types to validate

Excluded Feature Types (2/125 items)

- aixm:AerialRefuelling
- aixm:AeronauticalGroundLight
- aixm:AircraftGroundService
- aixm:AircraftStand
- aixm:AirportClearanceService
- aixm:AirportHeliportCollocation

Included Feature Types (1 item)

- aixm:AirportHeliport

Data Providers

This is where you will designate the **Data Provider(s)**:

AIS Data Feature Types | **Data Providers** | Business Rules

Select Data Providers to validate

Excluded Data Providers (1/26 items)

- ADS_TEST_ORG_OTHER_DP
- ADS_TEST_ORG_PARENT
- AVITECH
- AVITECH
- BAMBOLE0000
- BAUUUUUUUE

Included Data Providers (0 items)

No data

Business Rules

The first step is to **Select the Business Rule Source** ([Business Rules](#) or [Business Rules Profile](#)) and provide the source details:

Business Rule

Use the **Add** button to open the **Add Business Rule** selector:

AIS Data Feature Types | Data Providers | **Business Rules**

Select Business Rules Source

Business Rules Business Rules Profile

Business Rules

Add

Id	SBVR Definition	Severity	AIXM Class	Category	Message	Active	Reset

No data

Select the **Business Rules** to be added to the Validation...

Add Business Rules

Id: Sbr: Severity: Active: Always Active: Core: Aixm Class: Message: Category:

UID	SBVR Expression	Severity	Active	Always Active	Core	AIXM Class	Message
<input checked="" type="checkbox"/> 1A2F29	Each AirportHeliportAvailability.annotation.Note.propertyName shall not have assigned value other than (timeInterval, 'specialDateAuthority', 'operationalStatus', 'warning', 'usage')	Warning	true	false	false	AirportHeliportAvailability	Found Note with propertyName referring non-existing feature property
<input checked="" type="checkbox"/> 1A2F2A	Each AirportHeliportCollocation.annotation.Note.propertyName shall not have assigned value other than (type, 'hostAirport', 'dependentAirport')	Warning	true	false	false	AirportHeliportCollocation	Found Note with propertyName referring non-existing feature property
<input checked="" type="checkbox"/> 1A2F2B	Each AirportHeliportResponsibilityOrganisation.annotation.Note.propertyName shall not have assigned value other than (timeInterval, 'specialDateAuthority', 'role', 'theOrganisationAuthority')	Warning	true	false	false	AirportHeliportResponsibilityOrganisation	Found Note with propertyName referring non-existing feature property
<input type="checkbox"/> 1A2F2C	Each AirportHeliportUsage.annotation.Note.propertyName shall not have assigned value other than (type, 'priorPermission', 'contact', 'selection')	Warning	true	false	false	AirportHeliportUsage	Found Note with propertyName referring non-existing feature property

... And confirm with the **Add** button at the bottom of the page:

<input type="checkbox"/> 1A3367	Each AirportHeliport shall have assigned designator value	Error	true	false	false	AirportHeliport	Found AirportHeliport without designator value. Backwards mapping to AIXM 4.5 will not be possible.
<input type="checkbox"/> 1A336D	Each AirportHeliportCollocation shall have assigned dependentAirport value	Warning	true	false	false	AirportHeliportCollocation	Found AirportHeliportCollocation without dependentAirport value. Backwards mapping to AIXM 4.5 will not be possible.

1-10 of 54 items < 1 2 3 4 5 6 > 10 / page

Business Rule Profile

Select the appropriate **Business Rule Profile** from the pull-down menu:

AIS Data Feature Types | Data Providers | **Business Rules**

Select Business Rules Source

Business Rules Business Rules Profile

Business Rules Profile

Run

When all the fields have been completed, you can click on the **Run** button to execute the command:

On-demand Verification Cancel Run

Name: TEST

Description: TEST

Time Slice Applicability: BASELINE TEMPDELTA

Effective date: 2024-05-16 12:21

AIS Data Feature Types | Data Providers | **Business Rules**

Select Business Rules Source: Business Rules Business Rules Profile

Business Rules Add

Confirm when prompted:

Run On-demand Verification 'TEST?' Cancel Run

Upon successful validation, the result can be checked in the **Verification Reports** tab:

Home | **Data Provider Apps** | Data User Apps | Admin Tools | On-demand Released AIS Data Verification added successfully

Released AIS Data Verification Management

Released AIS Data Verifications | **Verification Reports**

Scheduled Verifications On-demand Verification Schedule Verification

ID	Name	Description	Period	Next execution	Active
				Select date	<input type="checkbox"/> Reset

ID | Name | Description | Period | Next execution | Active | Actions

i Please refer to the [Verification Reports](#) chapter for further information.

Display / Edit

Click on a table row to display the selected Verification - and use de **Edit** mode for modifications.

7.3.2. Schedule Verification

The **Schedule Verification** works very much like the [On-demand Verification](#), the difference being in the possibility to specify a given schedule for the verification to be processed:

- **1st execution:** The date of the first execution.
- **Period:** How many times per *Month / Days / ..* the Verification will be performed //Unclear
- **Effective Date:** Select between these two options:
 - **Moment of Execution:** Used to indicate a specific time in the day
 - **Day of Execution:** //DEF
- **Offset:** How many *Month / Days / ..* in positive or negative deviation from the **Effective Date**

Do not forget to click on the **Add** button to save your selection:

ID	Description	Severity	Status	Details
1A3367	Each AirportHeliport shall have assigned designator value	Error	true	false false AirportHeliport
1A336D	Each AirportHeliportCollocation shall have assigned dependentAirport value	Warning	true	false false AirportHeliportCollocation

Save

When all the fields have been completed, you can click on the **Save** button ...

Add Scheduled Verification Cancel Save

Effective date: Day of execution: 0 Offset: 0 Month(s)

AIS Data Feature Types | Data Providers | **Business Rules**

Select Business Rules Source: Business Rules Business Rules Profile

Business Rules Add

UID	SBVR	Severity	AIXM Class	Category	Message	Active	Actions
1A2F29	Each AirportHeliportAvailability.annotation.Note.propertyName shall not have assigned value other than ('timeInterval', 'specialDateAuthority', 'operationalStatus', 'warning', 'usage')	Warning	AirportHeliportAvailability	Data consistency rule	Found Note with propertyName referring to non-existing feature property	true	DELETE

... And provide a Reason (title) for the change:

Add Scheduled Verification Cancel Save

Effective date: Day of execution: 0 Offset: 0 Month(s)

AIS Data Feature Types | Data Providers | **Business Rules**

Select Business Rules Source: Business Rules Business Rules Profile

Save Scheduled Verification 'TEST'?

History of the scheduled verification will be preserved.

Reason of Change

Cancel Save

Upon successful validation, the result can be checked in the **Verification Reports** tab:

Home | **Data Provider Apps** | Data User Apps | Admin Tools | Scheduled Released AIS Data Verification added successfully

Released AIS Data Verification Management

Released AIS Data Verifications | **Verification Reports**

Scheduled Verifications On-demand Verification Schedule Verification

ID	Name	Description	Period	Next execution	Active	Actions
0b11c2ea-b6f7-4f10-84ff-7797ec061f7d	TEST2	TEST	1 month	2024-05-16T12:24:00Z	true	

1-1 of 1 items 1 / page

Please refer to the [Verification Reports](#) chapter for further information.

Display / Edit

Click on a table row ...

Released AIS Data Verification Management

Released AIS Data Verifications | Verification Reports

Scheduled Verifications On-demand Verification Schedule Verification

ID Name Description Period Next execution Active Select date Reset

ID	Name	Description	Period	Next execution	Active	Actions
0b11c2ea-b6f7-4f10-84ff-7797ec061f7d	TEST2	TEST	1 month	2024-05-16T12:24:00Z	true	⋮

1-1 of 1 items < 1 > 10 / page

... To display the corresponding details - and if need be; enable the **Edit** mode:

Scheduled Verification TEST2 Close Edit

Name ID

TEST2 0b11c2ea-b6f7-4f10-84ff-7797ec061f7d

Description

TEST

Active

Time Slice Applicability BASELINE TEMPDELTA

1st execution Period End date

2024-05-16 12:24 1 Month(s) Select date

Effective date Offset

Day of execution 0 Month(s)

As the Verification has been executed, two additional tabs are now featured in the Detail view:

AIS Data Feature Types | Data Providers | Business Rules | **Verification Reports** | **History**

Select AIS Data Feature Types to validate

122 items Excluded Feature Types

4 items Included Feature Types

axm:AerialRefuelling

axm:AeronauticalGroundLight

axm:AirportHeliportCollocation

axm:AirportHotSpot

axm:AirportProtectionAreaMarking

axm:AirportSuppliesService

axm:AircraftGroundService

axm:AircraftStand

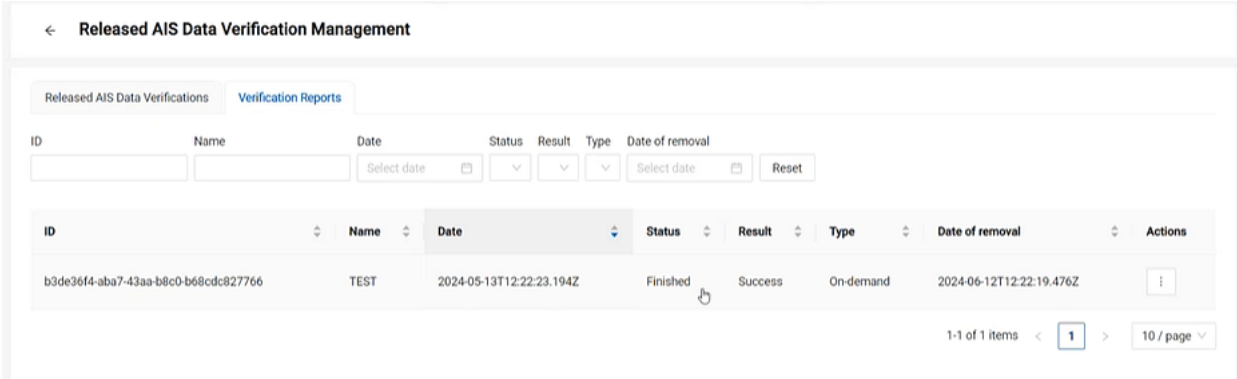
axm:AirportClearanceService

axm:AirportHeliport

1. **Verification Reports:** Please refer to the [Verification Reports](#) section
2. **History:** Records all changes made to the selected Verification

7.3.3. Verification Reports

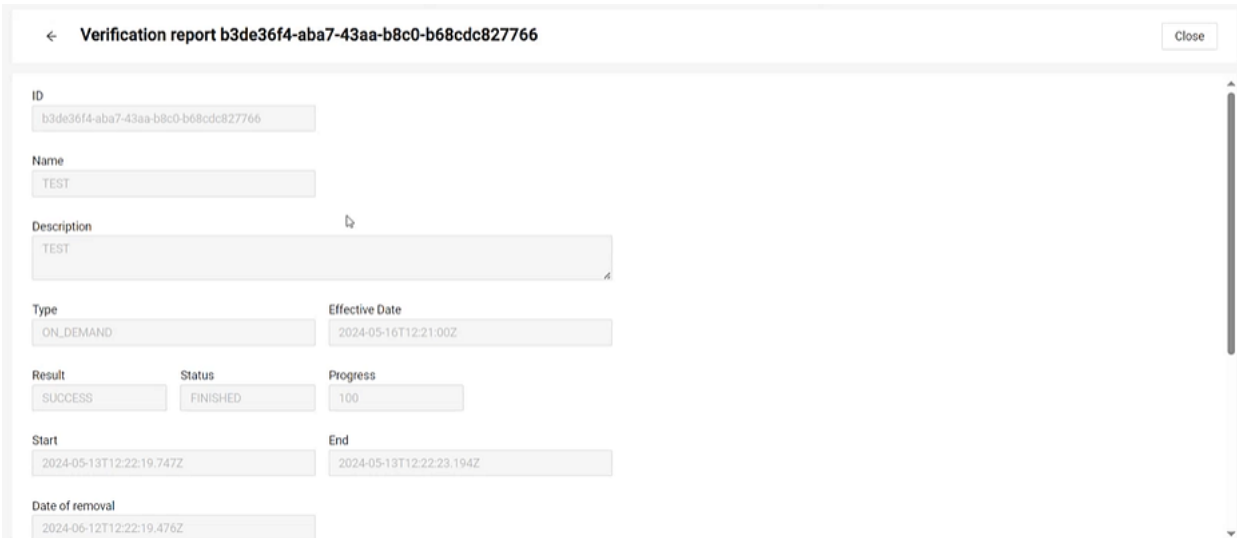
The **Verification Reports** tab lists all Verification jobs launched in the **Released AIS Data Verifications** tab, either via the [On-demand Verification](#) or the [Schedule Verification](#) process:



The screenshot shows the 'Released AIS Data Verification Management' interface. It features a navigation bar with a back arrow and the title 'Released AIS Data Verification Management'. Below the navigation bar, there are two tabs: 'Released AIS Data Verifications' and 'Verification Reports'. The 'Verification Reports' tab is active. Below the tabs, there is a search and filter section with fields for ID, Name, Date (with a calendar icon), Status, Result, Type, and Date of removal (with a calendar icon), and a 'Reset' button. Below this is a table with the following columns: ID, Name, Date, Status, Result, Type, Date of removal, and Actions. The table contains one row with the following data: ID: b3de36f4-aba7-43aa-b8c0-b68cdc827766, Name: TEST, Date: 2024-05-13T12:22:23.194Z, Status: Finished, Result: Success, Type: On-demand, Date of removal: 2024-06-12T12:22:19.476Z. Below the table, there is a pagination control showing '1-1 of 1 items', a page number '1', and '10 / page'.

ID	Name	Date	Status	Result	Type	Date of removal	Actions
b3de36f4-aba7-43aa-b8c0-b68cdc827766	TEST	2024-05-13T12:22:23.194Z	Finished	Success	On-demand	2024-06-12T12:22:19.476Z	[i]

Click on a table row to display the details of the selected Verification report:



The screenshot shows the details view for the verification report 'b3de36f4-aba7-43aa-b8c0-b68cdc827766'. The title bar includes a back arrow, the title 'Verification report b3de36f4-aba7-43aa-b8c0-b68cdc827766', and a 'Close' button. The details are organized into several sections: ID (b3de36f4-aba7-43aa-b8c0-b68cdc827766), Name (TEST), Description (TEST), Type (ON_DEMAND), Effective Date (2024-05-16T12:21:00Z), Result (SUCCESS), Status (FINISHED), Progress (100), Start (2024-05-13T12:22:19.747Z), End (2024-05-13T12:22:23.194Z), and Date of removal (2024-06-12T12:22:19.476Z).

ID	b3de36f4-aba7-43aa-b8c0-b68cdc827766	
Name	TEST	
Description	TEST	
Type	ON_DEMAND	Effective Date
		2024-05-16T12:21:00Z
Result	Status	Progress
SUCCESS	FINISHED	100
Start	End	
2024-05-13T12:22:19.747Z	2024-05-13T12:22:23.194Z	
Date of removal	2024-06-12T12:22:19.476Z	

Most of the fields are self-explanatory, these two deserving special attention:

- **Date of Removal:** Following the retention policies (currently 30 days), indicates when the report will be removed.
- **Download:** Used to download the Messages - see below.
- **Messages:** The Messages section provides additional information by listing the errors encountered in the validation process - if any.
If need be, you can filter the *Messages* by **Severity**:


Start: 2024-05-13T12:22:19.747Z End: 2024-05-13T12:22:23.194Z

Date of removal: 2024-06-12T12:22:19.476Z

Messages Download

Severity: Reset

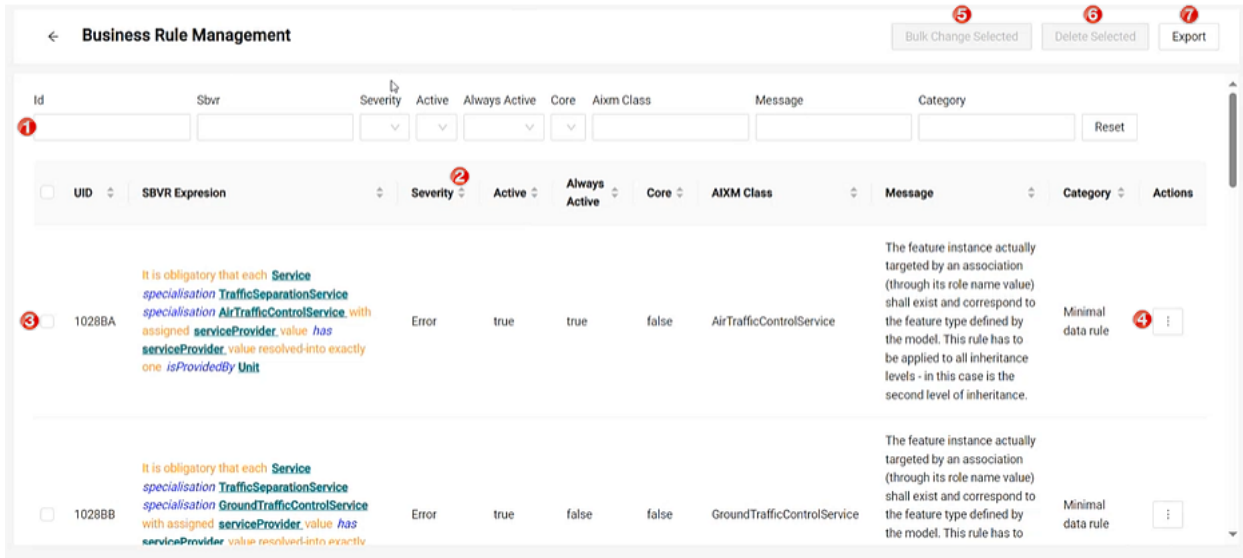
Options: Error, Fatal Error, Warning

Feature Type	Feature ID	Time Slice	Rule ID	Severity	Message	
 No data						

7.4. AIS Data Business Rules Management

A **Business Rule** is an object that holds all information required by the system to be able to validate AIXM Data content conformance with user-defined conditions.

The **Business Rules Management** application serves as central repository for DOP to use and maintain the *system-wide* AIS Data Business Rules (so not linked to a specific Data provider) and provides the means to manage a multitude (in the order of thousands) of Business Rules

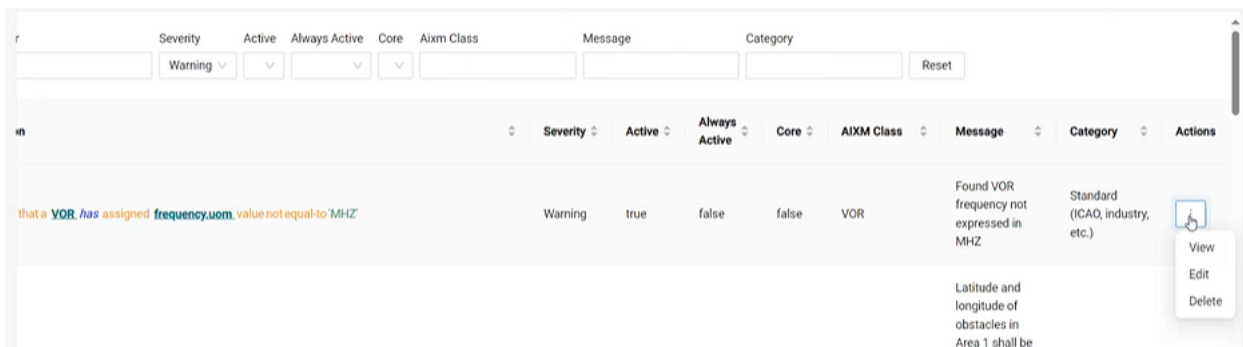


For tracking purposes, the system preserves the history of Business Rule changes. At any time given there has to be just one valid version of a Business Rule. The history of a Business Rule has to be preserved even after its deletion.

Actions

1. Filter
2. Sort
3. Select
4. [Action menu](#)
5. [Bulk Change Selected](#)
6. [Delete Selected](#)
7. [Export](#)

Action Menu



- **View:** Displays the [Business Rule detail](#)
- **Edit:** Directly switches to the [Edit](#) mode within the Business Rule detail view

- **Delete:** Deletes the corresponding entry

Bulk Change Selected

Allows you to apply changes on a selection of multiple *Business Rules*:

UID	SBVR Expression	Severity	Active	Always Active	Core	AIXM Class	Message	Category	Actions
1028BA	It is obligatory that each Service specialisation TrafficSeparationService specialisation AirTrafficControlService, with assigned serviceProvider.value, has serviceProvider.value resolved into exactly one isProvidedBy Unit	Error	true	true	false	AirTrafficControlService	The feature instance actually targeted by an association (through its role name value) shall exist and correspond to the feature type defined by the model. This rule has to be applied to all inheritance levels - in this case is the second level of inheritance.	Minimal data rule	
1028BB	It is obligatory that each Service specialisation TrafficSeparationService specialisation GroundTrafficControlService, with assigned serviceProvider.value, has serviceProvider.value resolved into exactly one isProvidedBy Unit	Error	true	false	false	GroundTrafficControlService	The feature instance actually targeted by an association (through its role name value) shall exist and correspond to the feature type defined by the model. This rule has to be applied to all inheritance levels - in this case is the second level of inheritance.	Minimal data rule	

Apply Settings	Attribute	Value
<input checked="" type="checkbox"/>	Severity	Warning
<input type="checkbox"/>	Active	
<input type="checkbox"/>	Always Active	
<input type="checkbox"/>	Core	
<input type="checkbox"/>	Timeslice Applicability: BASELINE	
<input type="checkbox"/>	Timeslice Applicability: TEMPDELTA	
<input type="checkbox"/>	Timeslice Applicability: SNAPSHOT	
<input type="checkbox"/>	Category	
<input type="checkbox"/>	Source	

1. **Select** the Attribute(s) to update
2. Indicate the **Value** change
3. Click on the **Update** button

Delete Selected

Allows you to delete a selection of multiple *Business Rules* in one go:

Business Rule Management

Bulk Change Selected Delete Selected Export

UID	SBVR Expression	Severity	Active	Always Active	Core	AIXM Class	Message	Category	Actions
<input checked="" type="checkbox"/> 1028BA	It is obligatory that each Service specialisation <code>TrafficSeparationService specialisation AirTrafficControlService</code> with assigned <code>serviceProvider.value</code> has <code>serviceProvider.value</code> resolved into exactly one <code>isProvidedBy Unit</code>	Error	true	true	false	AirTrafficControlService	The feature instance actually targeted by an association (through its role name value) shall exist and correspond to the feature type defined by the model. This rule has to be applied to all inheritance levels - in this case is the second level of inheritance.	Minimal data rule	
<input checked="" type="checkbox"/> 1028BB	It is obligatory that each Service specialisation <code>TrafficSeparationService specialisation GroundTrafficControlService</code> with assigned <code>serviceProvider.value</code> has <code>serviceProvider.value</code> resolved into exactly one <code>isProvidedBy Unit</code>	Error	true	false	false	GroundTrafficControlService	The feature instance actually targeted by an association (through its role name value) shall exist and correspond to the feature type defined by the model. This rule has to be applied to all inheritance levels - in this case is the second level of inheritance.	Minimal data rule	

Business Rule Management

Bulk Change Selected Delete Selected Export

Delete 2 Business Rules?

History of the Business Rule will be preserved.

* Reason of Change

Cancel Delete

UID	SBVR Expression	Severity	Active	Always Active	Core	AIXM Class	Message	Category	Actions
<input checked="" type="checkbox"/> 1028BA	It is obligatory that each Service specialisation <code>TrafficSeparationService specialisation AirTrafficControlService</code> with assigned <code>serviceProvider.value</code> has <code>serviceProvider.value</code> resolved into exactly one <code>isProvidedBy Unit</code>	Error	true	true	false	AirTrafficControlService	The feature instance actually targeted by an association (through its role name value) shall exist and correspond to the feature type defined by the model. This rule has to be applied to all inheritance levels - in this case is the second level of inheritance.	Minimal data rule	

1. Provide a **Reason of Change**
2. Click on the **Delete** button

Export

Business Rule Management

Bulk Change Selected Delete Selected Export

Id Sbrv Severity Active Always Active Core Aixm Class Message Category

Warning

Reset

UID	SBVR Expression	Severity	Active	Always Active	Core	AIXM Class	Message	Category
<input type="checkbox"/> 104028	It is prohibited that a <code>VOR</code> has assigned <code>frequency uom</code> value not equal to 'MHZ'	Warning	true	false	false	VOR	Found VOR frequency not expressed in MHZ	
<input type="checkbox"/> 104411	It is prohibited that a <code>VerticalStructure</code> has <code>part.VerticalStructurePart.horizontalProjection.VerticalStructurePartGeometry.surfaceExtent.ElevatedSurface</code> coordinates expressed with less than 4 decimals	Warning	true	false	false	VerticalStructure	Latitude and longitude of obstacles in Area 1 shall be published with sec resolution Note: to keep simple, this rule is applied to z obstacles. M	

The **Export** command exports, in .csv format, the Business Rules list as based on the applied filters:

The screenshot shows the 'Business Rule Management' interface. At the top, a navigation bar includes 'Home', 'Data Provider Apps', 'Data User Apps', and 'Admin Tools'. A green notification banner states: 'Business rules successfully exported. Exported rule count: 647'. Below this is the 'Business Rule Management' section with a table of rules. The table has columns for 'Id', 'Sbvr', 'Severity', 'Active', 'Always Active', 'Core', 'Aixm Class', and 'Message'. One rule is visible with ID '104028' and a message: 'It is prohibited that a VOR has assigned frequency.uom value not equal to 'MHZ''. To the right, a 'Downloads' menu is open, showing a list of files including 'upload_report_f5b9c2e-...-b819-2cfe27f3d03c.json', 'ds4_branch_enc.xml', '11-073r2_OWS-8_Aviation_-_an_OGC_WFS_2.0 (1).pdf', and 'What do you want to do with 11-073r2_OWS-8...'. An 'Export' button is visible in the background.

Id	Sbvr	Severity	Active	Always Active	Core	Aixm Class	Message
<input type="checkbox"/>	UID	SBVR Expression					
<input type="checkbox"/>	104028	Warning	Warning				It is prohibited that a VOR has assigned frequency.uom value not equal to 'MHZ'

7.4.1. Business Rule Detail

i The **Business Rule** detail view can be accessed via a click on the corresponding row in the [AIS Data Business Rules Management](#) table, or using the [Action Menu](#).

Read only

In read only mode, the data is displayed for review:

- **Id**
- **SBVR Definition**
- **Message**
- **Description**
- **Active**
- **Always Active:** Overrides *Deactivations* setting
- **Core:** When selected, forces the rule to be applied in addition to any provide rules
- **Severity**
- **Time Slice Applicability**
 - BASELINE
 - TEMPDELTA
 - SNAPSHOT
- **Category**
- **Source**
- **Reference**
- **AIXM Version**
- **AIXM Class**
- **Affected Feature Types**

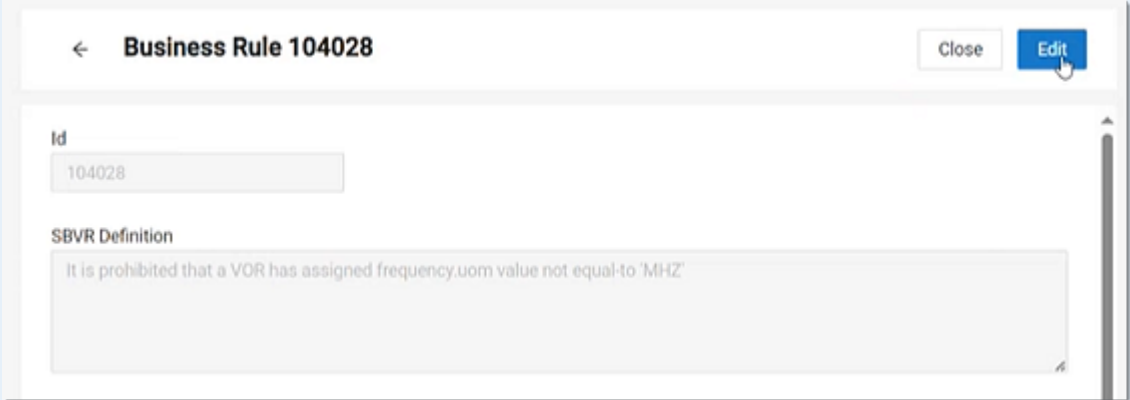
Tabs

- [Deactivations for objects](#)
- [Severity for Objects](#)
- [Rule History](#)

Edit mode

i The **Edit** mode can be accessed in two ways:

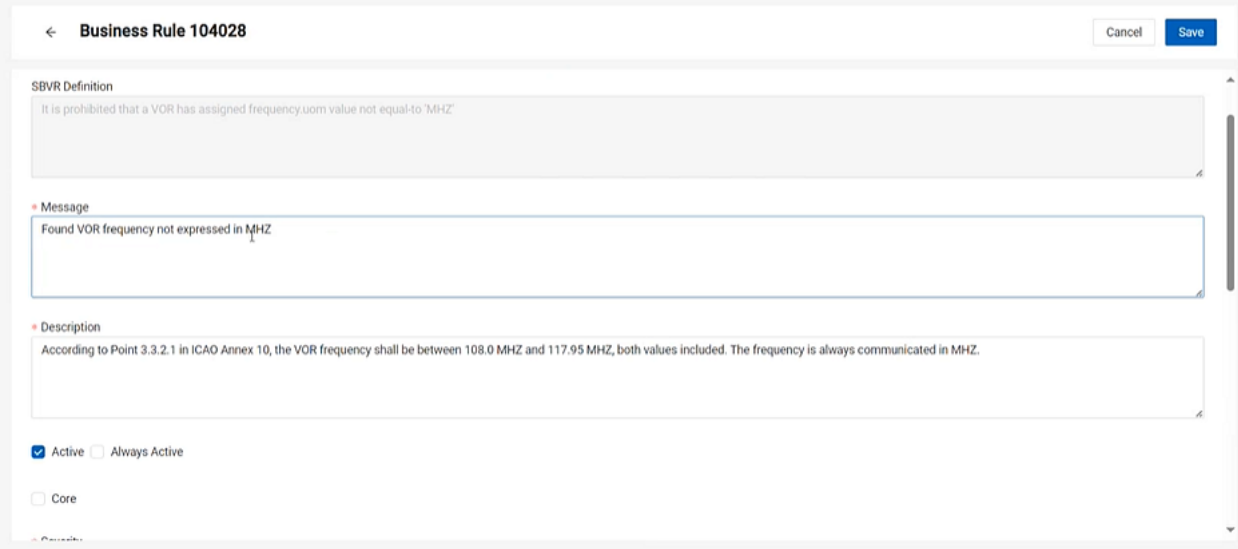
- From the Business Rule detail view



The screenshot shows a window titled "Business Rule 104028" with a "Close" button and a blue "Edit" button. Below the title bar, there is a field for "Id" containing "104028" and a larger text area for "SBVR Definition" containing the text: "It is prohibited that a VOR has assigned frequency.uom value not equal-to 'MHZ'".

- From the the [Action Menu](#) in the [AIS Data Business Rules Management](#) table

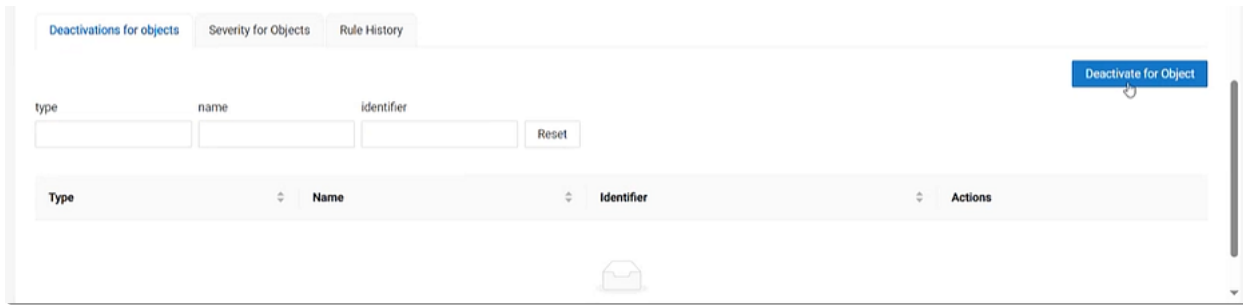
In **Edit** mode, the fields above listed (with the exception of the **Id** and the **SBVR Definition**) become available for edition and changes:



The screenshot shows the "Business Rule 104028" window in edit mode. It features a "Cancel" button and a blue "Save" button. The "SBVR Definition" field is at the top, containing the same text as the previous screenshot. Below it are three expandable sections: "Message" with the text "Found VOR frequency not expressed in MHz", "Description" with the text "According to Point 3.3.2.1 in ICAO Annex 10, the VOR frequency shall be between 108.0 MHz and 117.95 MHz, both values included. The frequency is always communicated in MHz.", and "Active" with radio buttons for "Active" (selected) and "Always Active". There is also a "Core" checkbox which is currently unchecked.

The **Save** command saves the changes and gets you back to the main screen.

7.4.1.1. Deactivations for Objects

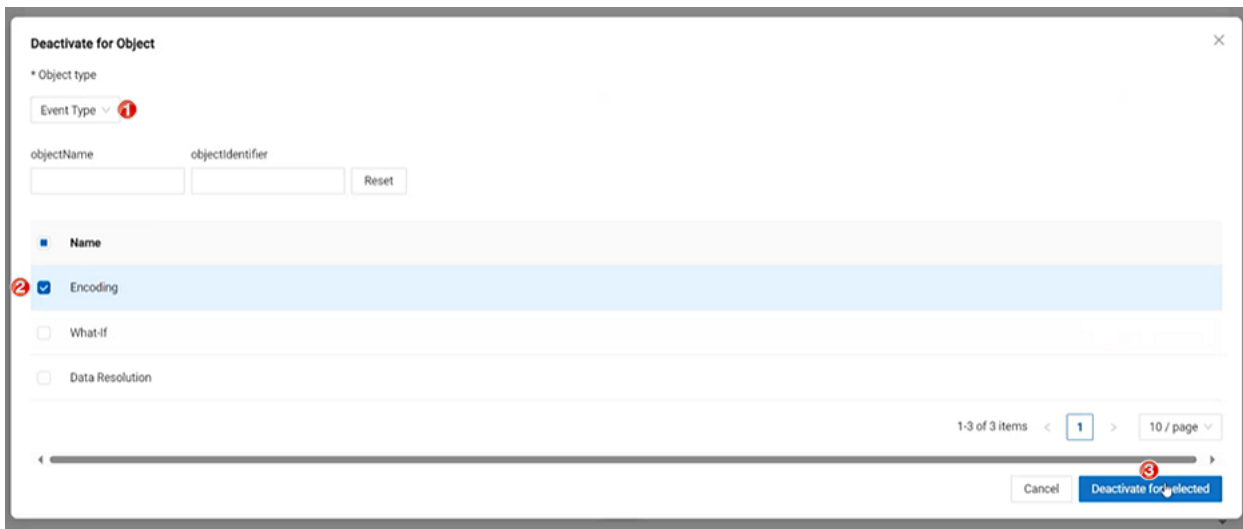


The **Deactivations for Object** tab lists all declared such Deactivations in a table format featuring the following fields:

- **type**
- **name**
- **identifier**

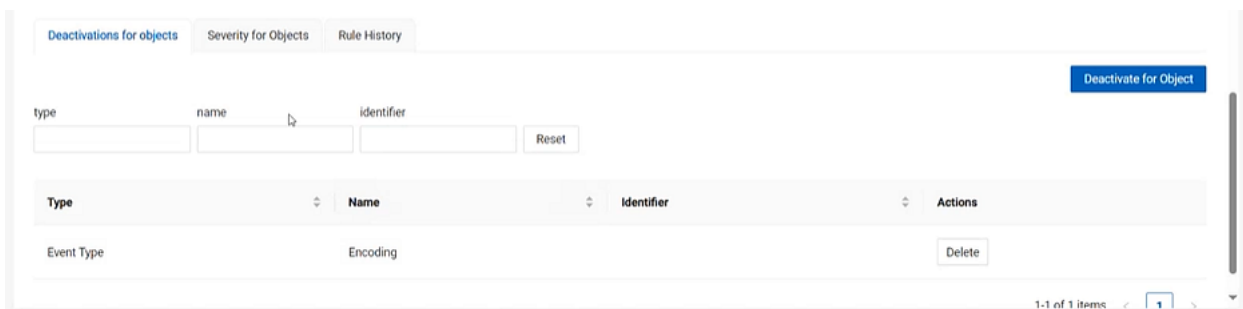
Create

Click on the **Deactivate for Object** button to bring up the entry form:



1. Select the **Object Type**
 - Data Provider
 - Event Type
 - Event
2. Select the **Object(s)**
3. Click on the **Deactivate for selected** button

The rule is now set as being deactivated for encoding:



iNM		EUROCONTROL
EAD User Guide		

7.4.1.2. Severity for Objects

The **Set Severity for Object** tab allows to check and create modifications of severity in associated business rule.

The *Severities* are listed in a table format featuring the following fields:

- **type**
- **name**
- **identifier**

Create

Click on the **Set Severity for Object** button to bring up the entry form:

1. Select the **Object Type**
 - Data Provider
 - Event Type
 - Event
2. Select the **Object(s)**
3. Click on the **Set Severity** button

7.4.1.3. Rule History

The history of the changes applied to the selected *Business Rule* are recorded and listed in the **Rule History** Tab:

The screenshot shows the configuration page for Business Rule 1028BA. At the top, there are tabs for 'Deactivations for objects', 'Severity for Objects', and 'Rule History', with 'Rule History' being the active tab. Below the tabs is a table with the following data:

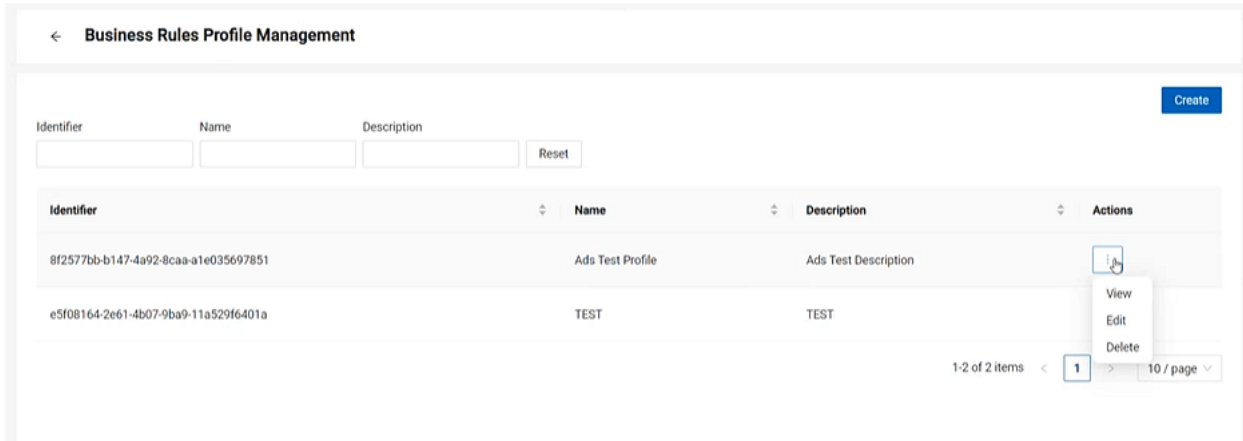
#	Valid From	Author	Reason of Change
2	2024-05-06 09:32:18	Avitech	TEST
1	2024-04-29 08:42:31	initial import	initial import

At the bottom right of the table, there is a pagination indicator: '1-2 of 2 items' with a page number '1' in a box.

7.5. Business Rules Profiles Management

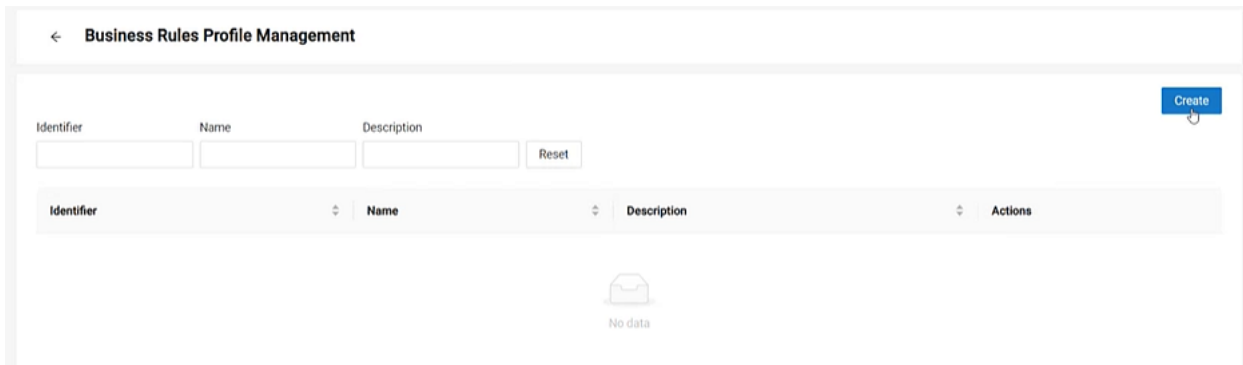
A **Business Rules Profile** is a collection of selected *Business Rules* to which given *Severity* levels have been associated.

The **Business Rules Profile Management** allows you to [view](#), [edit](#) and [delete](#) all existing *Business Rules Profiles*, [create](#) new ones ... and [save](#) any changes:

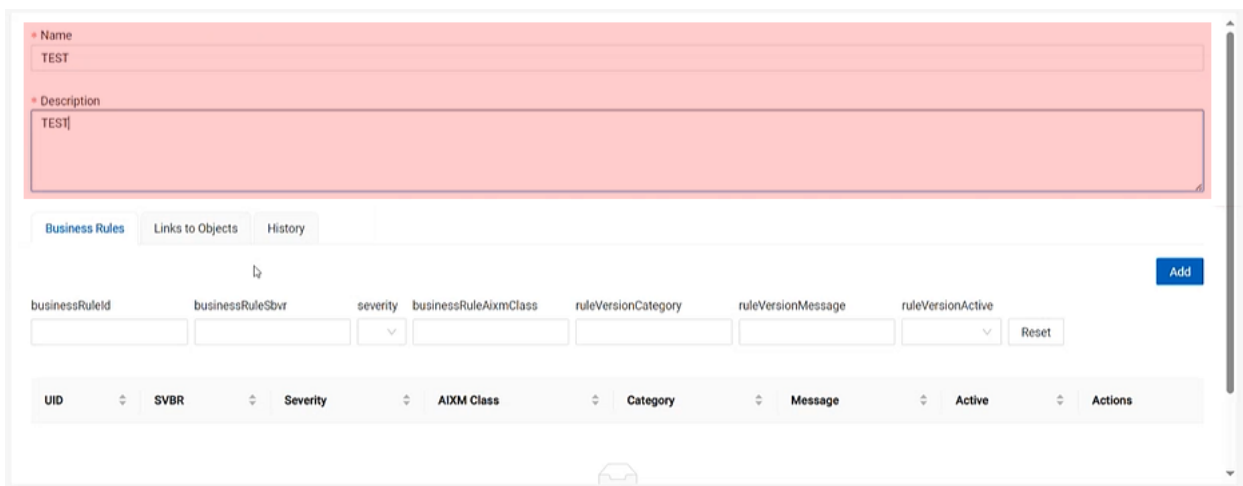


Create

Click on the **Create** button to initiate the process:



Provide a **Name** and **Description** for the *Business Rule Profile* ...



... Then proceed with the completion on the bottom tabs:

1. [Business Rules](#)
2. [Links to Objects](#)
3. [History](#)

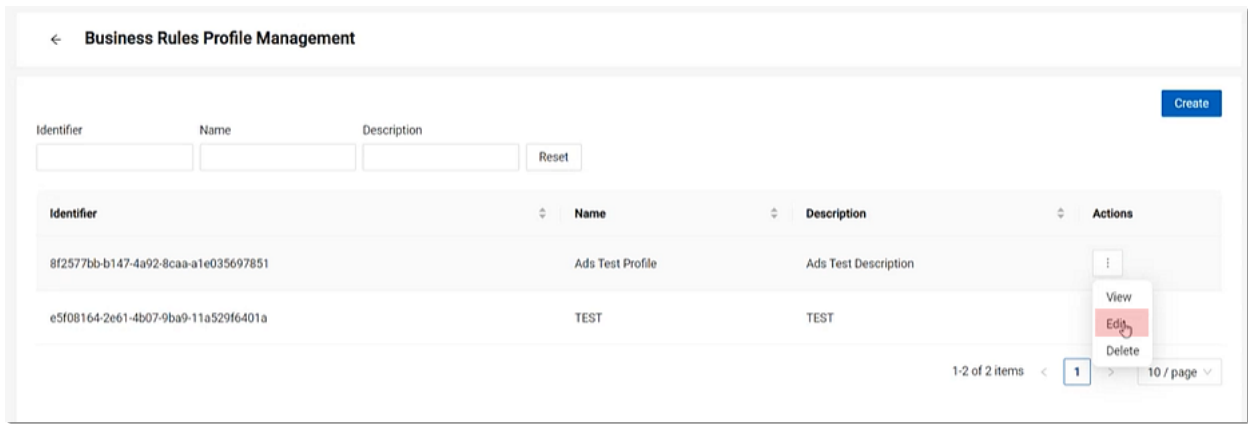
View

Click on any row in the table or use the *View* action to open the **Business Rules Profile** detail:

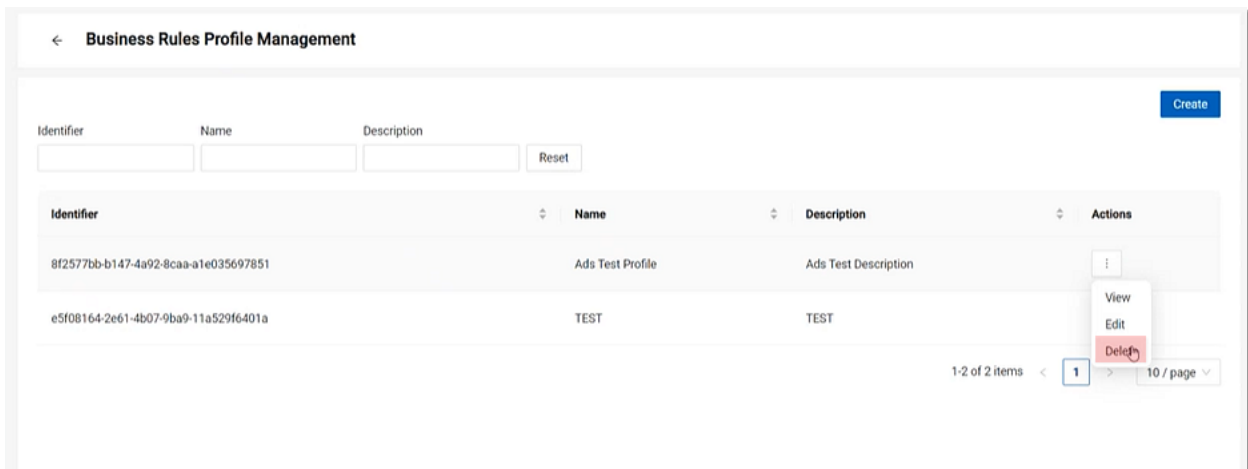
Edit

The **Edit** mode can be triggered by the Edit button in the right corner of a *Business Rules Profile* detail view ...

... Or from the **Action** menu in the *Business Rules Profile Management* screen:

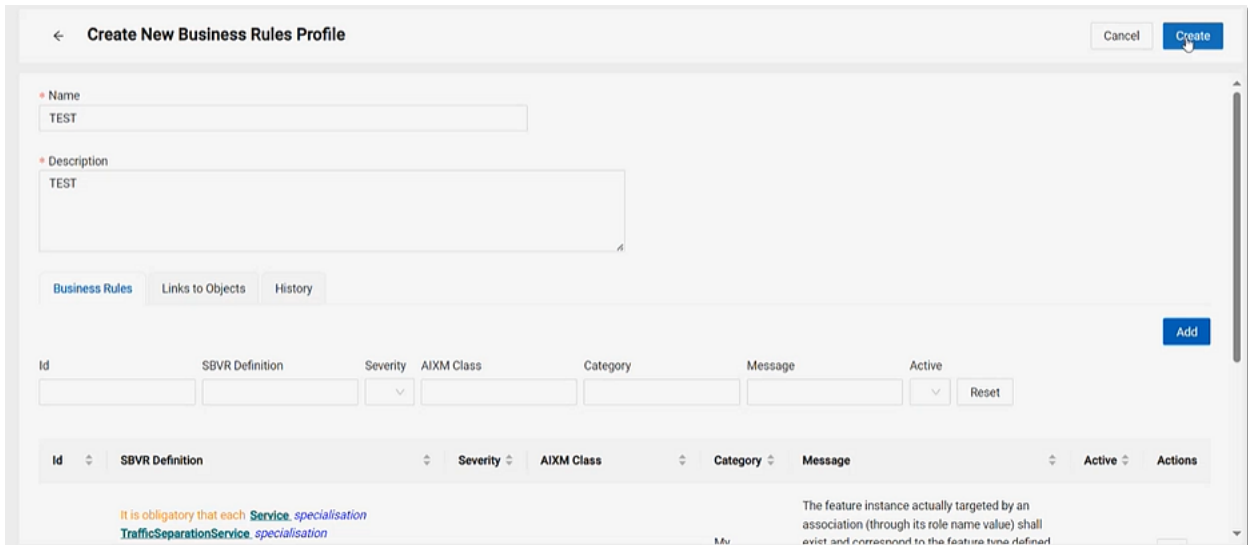


Delete

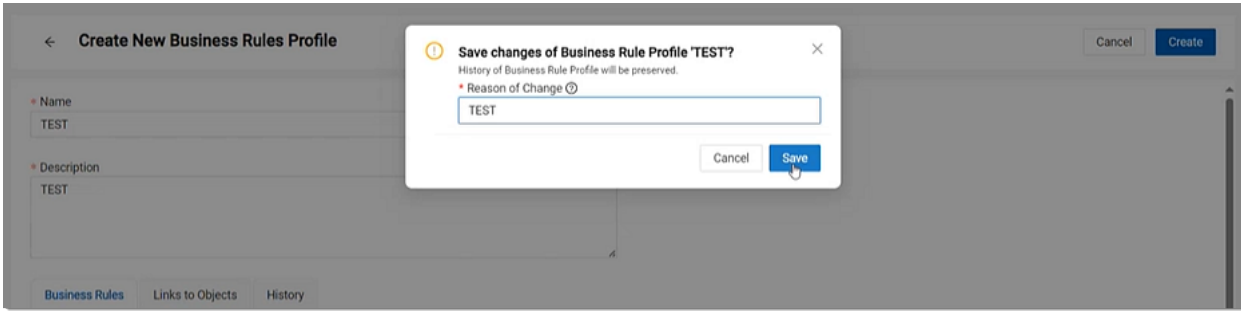


Save

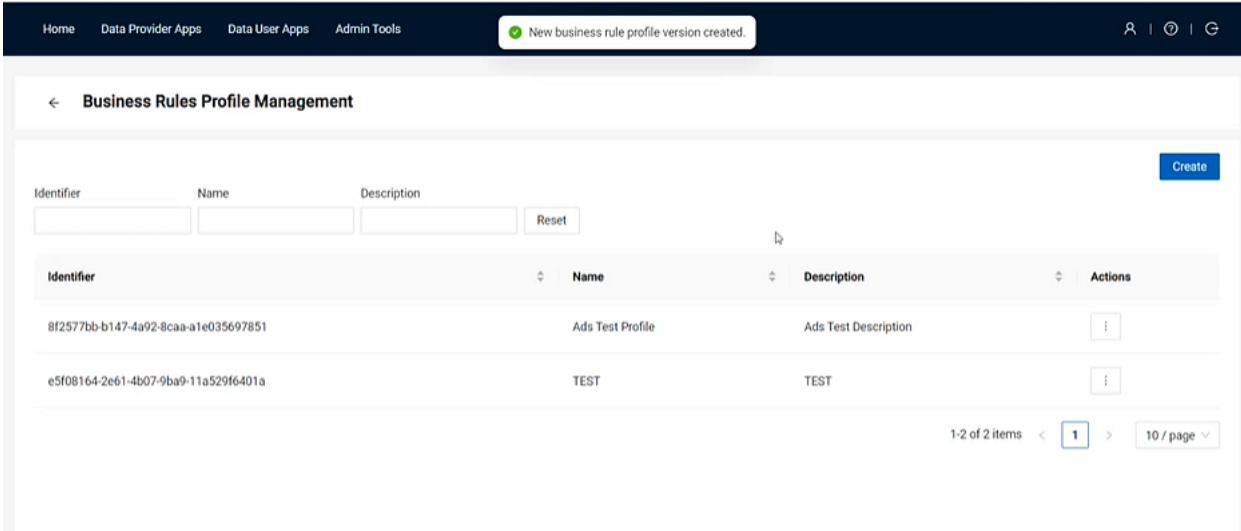
The Save process needs you to click again on the **Create** button:



Since there are now changes to the data, you will be prompted to provide a **Reason for Change**:



A confirmation notice briefly appears near the top of the screen, and the newly created profile is now visible in the list:

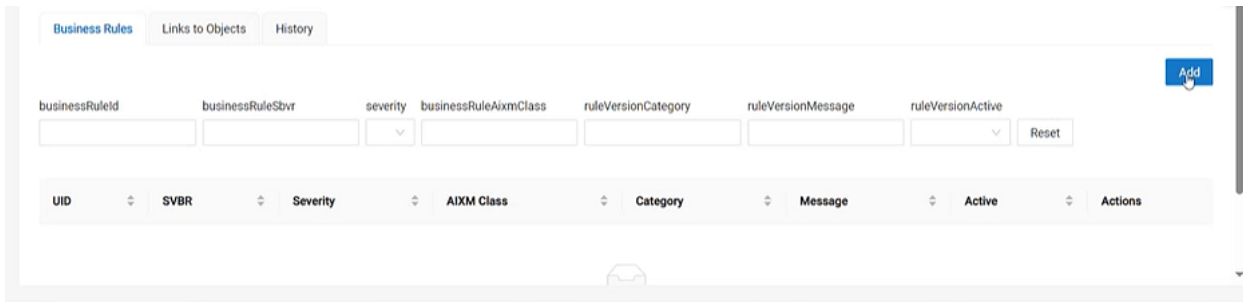


7.5.1. Business Rules

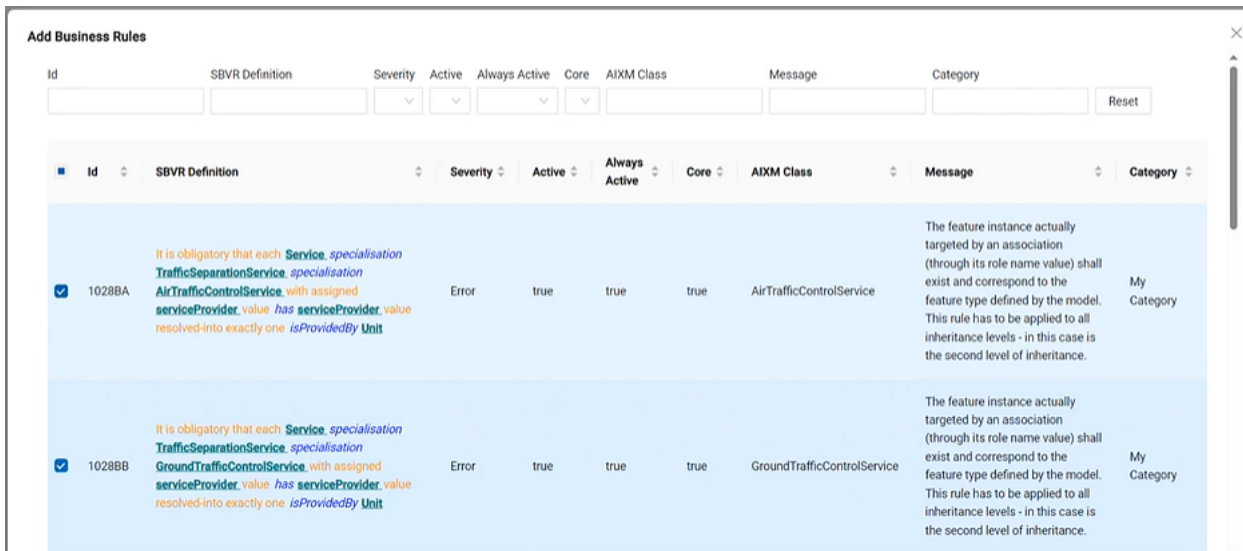
The **Business Rules Profile** detail view allows you to perform the following actions:

- [Create](#)
- [Edit](#)
- [Delete](#)

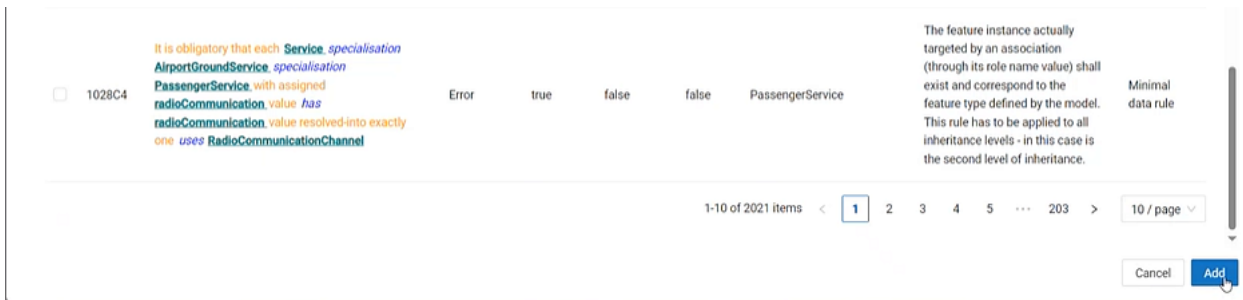
Create



Select the *Business Rule(s)* to be added to the profile ...



... Then click on the **Add** button to confirm:



The selected items have been successfully added:

Business Rules								Add
Id	SBVR Definition	Severity	AIXM Class	Category	Message	Active		
1028BA	It is obligatory that each <i>Service</i> specialisation <i>TrafficSeparationService</i> specialisation <i>AirTrafficControlService</i> with assigned <i>serviceProvider</i> value has <i>serviceProvider</i> value resolved-into exactly one <i>isProvidedBy Unit</i>	Error	AirTrafficControlService	My Category	The feature instance actually targeted by an association (through its role name value) shall exist and correspond to the feature type defined by the model. This rule has to be applied to all inheritance levels - in this case is the second level of inheritance.	true		
1028BB	It is obligatory that each <i>Service</i> specialisation <i>TrafficSeparationService</i> specialisation <i>GroundTrafficControlService</i> with assigned <i>serviceProvider</i> value has <i>serviceProvider</i> value resolved-into exactly one <i>isProvidedBy Unit</i>	Error	GroundTrafficControlService	My Category	The feature instance actually targeted by an association (through its role name value) shall exist and correspond to the feature type defined by the model. This rule has to be applied to all inheritance levels - in this case is the second level of inheritance.	true		

Edit

The **Edit** command allows to change the **Severity** of the selected item, determining the type of error message that will be returned when violations are encountered:

Id	SBVR Definition	Severity	AIXM Class	Category	Message	Active	
1028BA	It is obligatory that each <i>Service</i> specialisation <i>TrafficSeparationService</i> specialisation <i>AirTrafficControlService</i> with assigned <i>serviceProvider</i> value has <i>serviceProvider</i> value resolved-into exactly one <i>isProvidedBy Unit</i>	Error	AirTrafficControlService	My Category	The feature instance actually targeted by an association (through its role name value) shall exist and correspond to the feature type defined by the model. This rule has to be applied to all inheritance levels - in this case is the second level of inheritance.	true	<ul style="list-style-type: none"> Edit Delete
1028BB	It is obligatory that each <i>Service</i> specialisation <i>TrafficSeparationService</i> specialisation <i>GroundTrafficControlService</i> with assigned <i>serviceProvider</i> value has <i>serviceProvider</i> value resolved-into exactly one <i>isProvidedBy Unit</i>	Error	GroundTrafficControlService	My Category	The feature instance actually targeted by an association (through its role name value) shall exist and correspond to the feature type defined by the model. This rule has to be applied to all inheritance levels - in this case is the second level of inheritance.	true	

1-2 of 2 items < 1 >

Create New Business Rules Profile							
Id	SBVR Definition	Severity	AIXM Class	Category	Message	Active	
1028BA	It is obligatory that each <i>Service</i> specialisation <i>TrafficSeparationService</i> specialisation <i>AirTrafficControlService</i> with assigned <i>serviceProvider</i> value has <i>serviceProvider</i> value resolved-into exactly one <i>isProvidedBy Unit</i>	Error	AirTrafficControlService	My Category	The feature instance actually targeted by an association (through its role name value) shall exist and correspond to the feature type defined by the model. This rule has to be applied to all inheritance levels - in this case is the second level of inheritance.	true	

Edit Business Rule '1028BA' in Profile

* Severity

Error

Error



Fatal Error

Warning

Cancel Edit


1. Change the **Severity**
2. Click on the **Edit** button to confirm

Delete

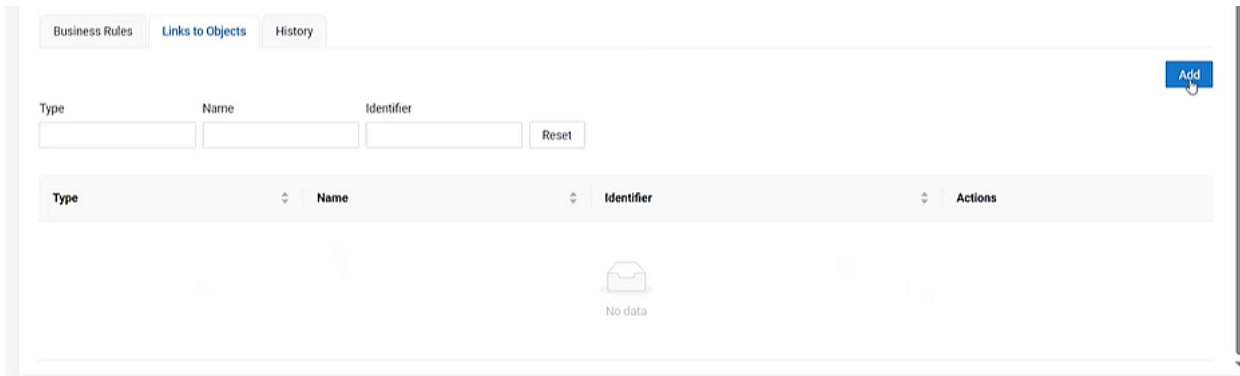
Id	SBVR Definition	Severity	AIXM Class	Category	Message	Active	Actions
1028BA	It is obligatory that each Service , specialisation TrafficSeparationService , specialisation AirTrafficControlService , with assigned serviceProvider value has serviceProvider , value resolved-into exactly one isProvidedBy Unit	Error	AirTrafficControlService	My Category	The feature instance actually targeted by an association (through its role name value) shall exist and correspond to the feature type defined by the model. This rule has to be applied to all inheritance levels - in this case is the second level of inheritance.	true	 <ul style="list-style-type: none"> Edit Delete
1028BB	It is obligatory that each Service , specialisation TrafficSeparationService , specialisation GroundTrafficControlService , with assigned serviceProvider , value has serviceProvider , value resolved-into exactly one isProvidedBy Unit	Error	GroundTrafficControlService	My Category	The feature instance actually targeted by an association (through its role name value) shall exist and correspond to the feature type defined by the model. This rule has to be applied to all inheritance levels - in this case is the second level of inheritance.	true	

7.5.2. Links to Objects

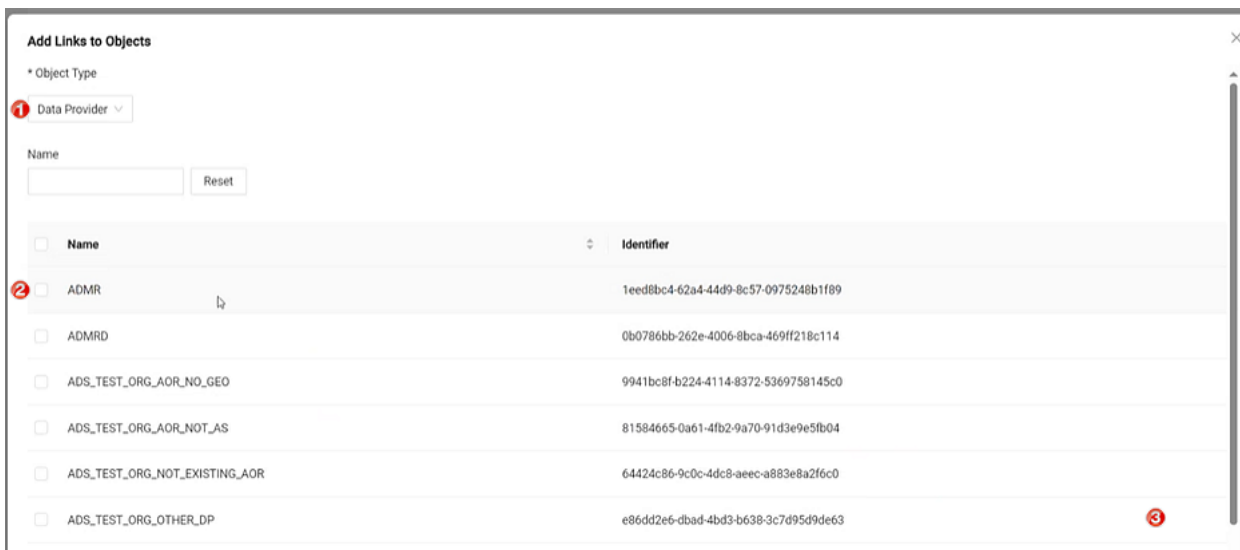
The **Links to Objects** tab allows to link the current profile to given object(s).

 The list may be left empty in cases where you are verifying Released data.

Start with a click on the **Add** button:

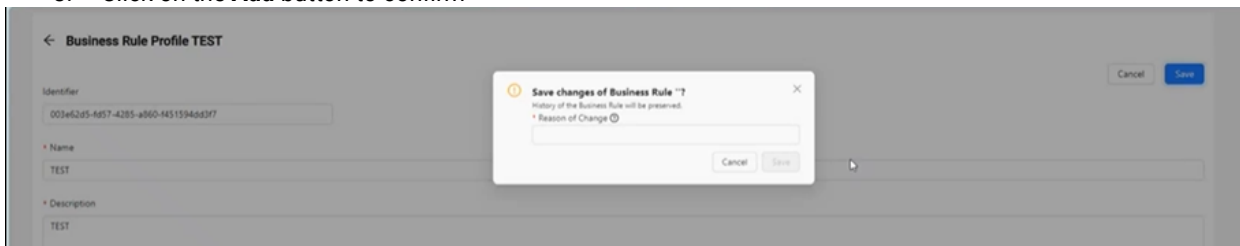


Select the relevant *Object Type(s)*:



Name	Identifier
<input checked="" type="checkbox"/> ADMR	1eed8bc4-62a4-44d9-8c57-0975248b1f89
<input type="checkbox"/> ADMRD	0b0786bb-262e-4006-8bca-469ff218c114
<input type="checkbox"/> ADS_TEST_ORG_AOR_NO_GEO	9941bc8f-b224-4114-8372-5369758145c0
<input type="checkbox"/> ADS_TEST_ORG_AOR_NOT_AS	81584665-0a61-4fb2-9a70-91d3e9e5fb04
<input type="checkbox"/> ADS_TEST_ORG_NOT_EXISTING_AOR	64424c86-9c0c-4dc8-aeec-a883e8a2f6c0
<input type="checkbox"/> ADS_TEST_ORG_OTHER_DP	e86dd2e6-dbad-4bd3-b638-3c7d95d9de63

1. Indicate a **Data Provider**
2. Check the **Object Type(s)** to be added
3. Click on the **Add** button to confirm



7.5.3. History

The history of the changes applied to the selected *Business Rule Profile* are recorded and listed in the **History** Tab:

#	Valid From	Author	Reason of Change
No data			

7.6. FAA Data Transformations

This application is used for transformation of *FAA Data* to *AIXM Data Set*.

The **FAA Data Transformations** view allows you to [view](#), edit and delete all existing *FAA Data Transformations*, [create](#) new ones ... and save any changes:

The screenshot shows the 'FAA Data Transformations' interface. At the top right is a blue 'Transform' button. Below it is a search form with fields for ID, Effective Date (with a calendar icon), Coordinates Max. Diff., Status (with a dropdown arrow), Start (with a calendar icon), and End (with a calendar icon). A 'Reset' button is located to the right of the search fields. Below the search form is a table header with columns: ID, Effective Date, Coordinates Max. Diff., Status, Start, End, and Actions. The table body is empty, displaying a 'No data' message with a folder icon.

Create

Click on the **Transform** button to initiate the process:

This screenshot is identical to the previous one, but a mouse cursor is pointing at the blue 'Transform' button in the top right corner.

Complete the **Transform FAA Data** dialog:

The screenshot shows the 'Transform FAA Data' dialog box overlaid on the main interface. The dialog has the following fields and options:

- Effective Date:** A date picker showing '2024-05-16 12:49' with a calendar icon.
- Previous FAA Data File:** A file selection field showing 'FAA_2023-07-13.zip' with a folder icon.
- New FAA Data File:** A file selection field showing 'FAA_2023-08-10.zip' with a folder icon.
- Coordinates Max. Difference:** A text input field with 'm' as a unit.

At the bottom of the dialog are 'Cancel' and 'Transform' buttons. A mouse cursor is pointing at the 'Transform' button.

- **Effective Date:** The date for which the dataset change will be created
- **Previous FAA Data File:** Upload the previous (zip) file that was used for last transformation creation
- **New FAA Data File:** Upload the latest file issued from FAA, for comparison with the previous issue - and thus changes identification

- **Coordinates Max. Difference:** Optionally specify a max. difference value (in meter) for coordinates transformation



The uploaded zip files may content the following files:

- APT.txt
- FIX.txt
- NAV.txt
- AWY.txt
- ATS.txt
- Saa_Sub_File.zip


The newly created entry is now visible in the list:

ID	Effective Date	Coordinates Max. Diff.	Status	Start	End	Actions
347c27b5-7211-4131-b11d-ae777e0c3334	2024-05-16 00:00:00		Processing	2024-05-13 12:52:37		View

Click on a table row - or use the **View** command from the *Actions* menu...

... To display the corresponding **FAA Data Transformation** detail :

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EAD User Guide		

 Please refer to the [View](#) chapter for further information.

7.6.1. View

- **ID**
- **Status**
- **Effective Date**
- **Coord Max Difference**
- **Start**
- **End**
- **Previous FAA Data File** - along with **Download** button
- **New FAA Data File** - along with **Download** button
- **Data Set**: The data set resulting from the transformation - along with **Download** button
- **Transformation Reports**: Specific to each type of file - along with **Download** button
- Bottom tabs
 1. [Steps](#)
 2. [Report](#)

Steps

The **Steps** tab lists the steps involved in the transformation, and displays the transformation progress as they happen, allowing to monitor the process:

Step	Progress	Result	Started	Finished	Duration
APT_TRANSFORMATION	100	Success	2024-05-13T12:52:37.255Z	2024-05-13T12:53:51.489Z	00:01:14.234
NAV_TRANSFORMATION	100	Success	2024-05-13T12:52:37.255Z	2024-05-13T12:53:07.835Z	00:00:30.580
FIX_TRANSFORMATION					
AWY_TRANSFORMATION					
ATS_TRANSFORMATION					
SAA_SUB_TRANSFORMATION					
DATASET_MERGE					

Step	Progress	Result	Started	Finished	Duration
APT_TRANSFORMATION	100	Success	2024-05-13T12:52:37.255Z	2024-05-13T12:53:51.489Z	00:01:14.234
NAV_TRANSFORMATION	100	Success	2024-05-13T12:52:37.255Z	2024-05-13T12:53:07.835Z	00:00:30.580
FIX_TRANSFORMATION	100	Success	2024-05-13T12:53:51.512Z	2024-05-13T12:54:32.778Z	00:00:41.266
AWY_TRANSFORMATION	100	Success	2024-05-13T12:54:32.807Z	2024-05-13T12:55:12.586Z	00:00:39.779
ATS_TRANSFORMATION	100	Fatal Error	2024-05-13T12:54:32.808Z	2024-05-13T12:54:35.464Z	00:00:02.656
SAA_SUB_TRANSFORMATION					
DATASET_MERGE					

A dataset file is created after each achieved step - the last **DATASET_MERGE** step being the automated merge of all the individual datasets ...

... To be subsequently moved to the **Data Set** field above described.

Report

Step	Severity	Message
ATS_TRANSFORMATION	Fatal Error	Transformation for file: ATS.txt failed.

Lists the reports resulting from the transformation processes with indication of the *Severity*.

7.7. EAD Synchronization

Objective

EAD Synchronization is aimed at providing services and integration to allow upload and synchronization of aeronautical data originated or modified in ADM into EAD (SDD) - or conversely, the download and synchronization of aeronautical data originated or modified in EAD (SDD) into ADM.

It is part of the bi-directional data synchronization between the two system which must coexist for defined period of time (ADM and EAD).



The services and B2B and cannot be accessed directly via a front-end layer - you will need to contact //contact to get administrative and technical support on how to set-up and connect your systems.

Use Cases

- [External user uploads data via B2B into ADM](#)
- [AIS Data is modified via HMI in ADM](#)
- [Aeronautical data is modified in SDD](#)
- [B2B upload of AIS Data into ADM](#)
- [Download AIS Data](#)

External user uploads data via B2B into ADM

- External user uses service for data upload (hosted on new AIMSL server)
- ADM B2B upload service is used (communication initiated by new AIMSL server) SRD - Upload Data Set through B2B
- ADM starts processing the data executing the required steps and validations except data release. (Data release step shall not be executed unless data is successfully uploaded and released in SDD)
- Dataset is created and stored in Databranch
- ADM uses ASC service for data upload
- ASC receives the Dataset for upload
- ASC uses SDDUpload service (hosted on legacy EAD AIMSL Server)
 - Reuse existing mechanism for data upload
 - Create Pullpoint
 - Extract Pullpoint ID
 - Upload Dataset
 - Extract Upload Job ID
 - Subscribe for notifications. Notifications are provided back to ADM including the description (in case of failure also root cause of the error + code of the error message). (Notifications format being finalized with storage team)
 - Extract Upload status
 - Destroy Pullpoint
 - Notify ADM
- Data upload processing is finished in SDD
- Finish data processing in ADM
 - in case of successful release in SDD data is releases in AMD
 - in case of failure on EAD, ADM stops processing the data and will not continue with release
- External user is notified with result of the processing and overall result of the upload operation
 - Periodic notification to the users for processing progress
 - Notification to the user with overall upload process result

AIS Data is modified via HMI in ADM

- AIS Data is modified by user via HMI
- Data changes are bundled into change proposal
- ADM starts processing the data executing the required steps and validations except data release. (Data release step shall not be executed unless data is successfully uploaded and released in SDD)
- Dataset is created and stored in Databranch

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EAD User Guide		

- ADM uses ASC service for data upload
- ASC receives the Dataset for upload
- ASC uses SDDUpload service (hosted on legacy EAD AIMSL Server)
 - Reuse existing mechanism for data upload
 - Create Pullpoint
 - Extract Pullpoint ID
 - Upload Dataset
 - Extract Upload Job ID
 - Subscribe for notifications. Notifications are provided back to ADM including the description (in case of failure also root cause of the error + code of the error message). (Notifications format being finalized with storage team)
 - Extract Upload status
 - Destroy Pullpoint
 - Notify ADM
- Data upload processing is finished in SDD
- Finish data processing in ADM
 - in case of successful release in SDD data is releases in AMD
 - in case of failure on EAD, ADM stops processing the data and will not continue with release
- External user is notified with result of the processing and overall result of the upload operation
 - Periodic notification to the users for processing progress
 - Notification to the user with overall upload process result

Aeronautical data is modified in SDD

- AIS Data is modified in EAD (SDD) (B2B or via manual input)
- ASC component subscribed to WW AIS Data topic in EAD checks for new notifications for AIS data changes in defined time period (loop activity)
- ASC downloads and stores notifications (only those with status FINISHED)
- ASC downloads and stores AIS Dataset
- ASC uses service for B2B dataset upload into ADM SRD - Upload Data Set through B2B
- AIS Dataset is released in ADM
- ASC retrieves and stores ADM Dataset process result

Alternate flow: for defined period of time, there will be another instance of the EAD system referred to as "Opsval".

- AIS Dataset is sent to EAD Opsval for upload
- Result from EAD OpsVal release is retrieved and stored

B2B upload of AIS Data into ADM

- Authenticated and authorized External B2B user uses B2B AIMSL AIS Data Upload service to upload AIS Data into ADM
- iNM AIMSL server uses internal ADM B2B AIS Data upload service
- ADM initiates Data Release processes
- In case an endpoint for AIXM 5.1. upload is used, ADM converts the AIS Data to AIXM 5.1.1
- ADM initiates EAD Synchronization step within the AIS Data Release procedure
- ADM finishes the processing and release of the AIS Dataset
- iNM AIMSL server retrieves notifications and pushes them to B2B external user
- AIS Data is released in ADM


Download AIS Data

- Query and download data using WFS services
- Create extraction rule and subscription to generate and download AIS Data

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EAD User Guide		

7.8. UOM

The **User and Organization Management** application, as the name implies, is aimed at managing both *Users* and *Organizations*.

 As the *Organizations* and *Roles* Management functions are restricted to specific individuals with role **UOM_ROLE_ADMIN**, this document will focus on the *User* Management.

- [User Management](#)
- [Organization Management](#)

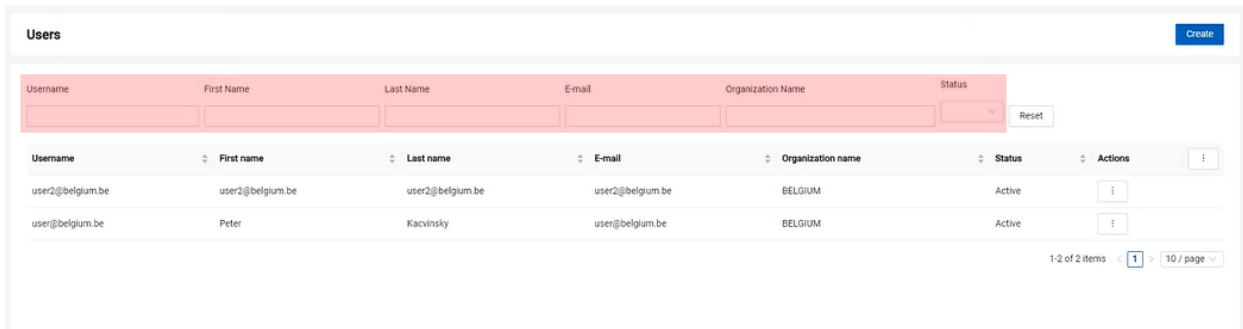
7.8.1. User Management

The **User Management** will allow you the following actions:

- [List Users](#)
- [Add a User](#)
- [Modify a User](#)
- [Deactivate a user](#)

List Users

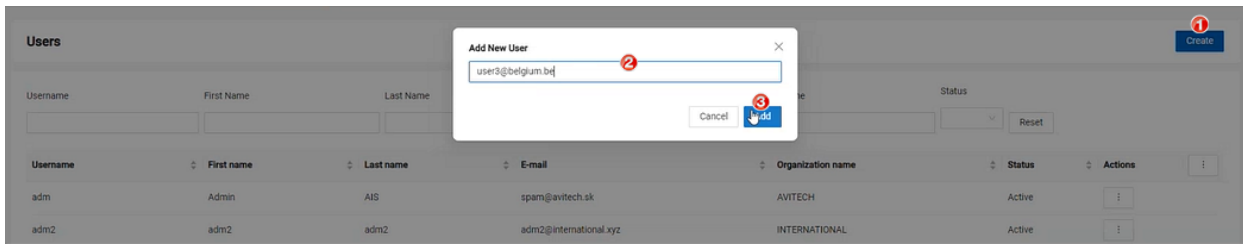
This is the view by default, listing all users assigned to your own organization - that you can further filter down by *Username*, *Status*, etc. if need be:



Add a User

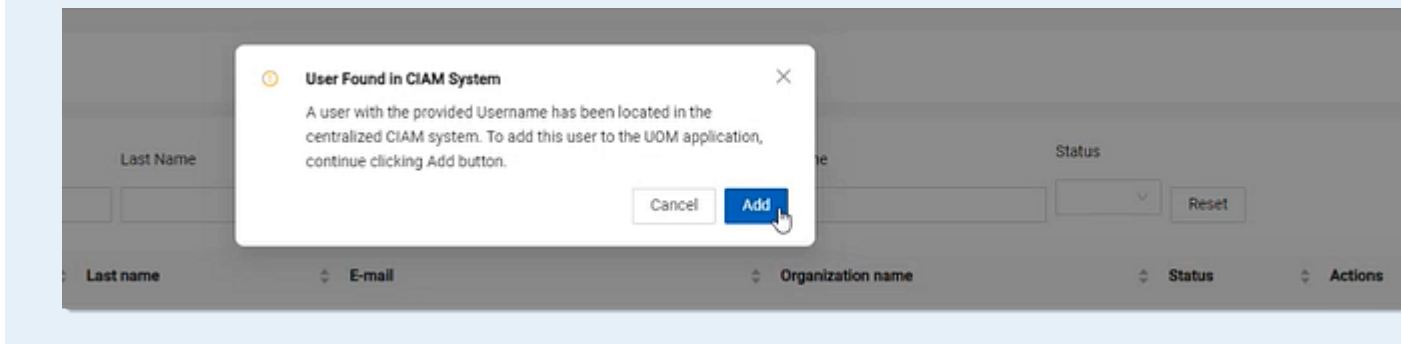
i You will not actually create a user in the CIAM system - the actions described below allows you to link an existing user belonging to your organization, to a given digital product.

Follow the simple steps to create a new user:



1. Click on the **Create** button,
2. Enter the user email address (or pick it from the list if that user has already been associated to a digital product),
3. Next click on the **Add** button,

i If you have selected an existing user, you will be prompted to confirm your choice:



Create User Cancel **Save**

Username
user3@belgium.be

* First Name * Last Name
Peter Kacvinsky

* E-mail Phone Number
user@belgium.be Phone Number

Organization Name NOTAM Office
BELGIUM NOTAM Office

UOM Roles
 UOM User Admin

ADM Roles
 AIS Reviewer AIS Coordinator AIS Supervisor

4. Complete the relevant input fields (some likely to be already populated in case of an existing person: *First Name, Last Name, E-mail* and *Phone Number*),
5. Select the roles you want to assign to the user: the roles must have been created beforehand, and linked to specific digital product, and so the list of available options will vary accordingly (such as *AIS Reviewer, AIS Coordinator* and *AIS Supervisor* in this example),
6. Click on the **Save** button.

For a newly created user, a notification email will have been sent and some actions needs then to take place in order to **Activate** the account.

Edit

Select the **Edit** command from the Actions menu list...

Username	First Name	Last Name	E-mail	Organization Name	Status	Actions
user2@belgium.be	user2@belgium.be	user2@belgium.be	user2@belgium.be	BELGIUM	Active	⋮
user3@belgium.be	dsds	dsfdfds	user3@belgium.be	BELGIUM	Active	⋮
user@belgium.be	Peter	Kacvinsky	user@belgium.be	BELGIUM	Active	⋮

1-3 of 3 items 1 / 10 / page

... To bring up the **Edit** view for the corresponding user:

Edit User USER2@BELGIUM.BE user2@belgium.be (user2@belgium.be) Cancel **Save**

Username Short Username Status
user2@belgium.be BL_Userbelgiu Active

* First Name * Last Name
user2@belgium.be user2@belgium.be

* E-mail Phone Number
user2@belgium.be Phone Number

Organization Name NOTAM Office
BELGIUM NOTAM Office

UOM Roles
 UOM User Admin

ADM Roles
 AIS Reviewer AIS Coordinator AIS Supervisor

Finish the process by a click on the **Save** button.

Deactivate

This action results in removing all the roles assigned to the corresponding user, and changing the **Status** to *Inactive*:


The screenshot shows a 'Users' management interface. At the top right is a 'Create' button. Below it is a search bar with fields for Username, First Name, Last Name, E-mail, and Organization Name, followed by a Status dropdown and a 'Reset' button. The main area contains a table with the following data:

Username	First name	Last name	E-mail	Organization name	Status	Actions
user2@belgium.be	user2@belgium.be	user2@belgium.be	user2@belgium.be	BELGIUM	Active	[Dropdown]
user3@belgium.be	dsds	dsfsdfs	user3@belgium.be	BELGIUM	Active	[Dropdown]
user@belgium.be	Peter	Kacvinsky	user@belgium.be	BELGIUM	Active	[Dropdown]

The 'Actions' dropdown for the third user is open, showing options: View, Edit, and Deactivate. The 'Deactivate' option is highlighted. At the bottom right of the table, there is a pagination control showing '1-3 of 3 items' and '1 / 10 / page'.

iNM		EUROCONTROL
EAD User Guide		

7.8.2. Organization Management

 **Organization Management** is restricted to high level Admin profiles - and therefore not described in this document.

8. Legal Recording

Legal Recording is a legal requirement for EAD.

All subsystems of EAD save operational transaction data in the EAD database, e.g. creation of a NOTAM, changes in SDO etc.

Legal Recording creates detailed records in XML format containing all details of every transition from any application or subsystem: "Who did what and when?"

Legal Recording Investigation

Transaction Timestamp: 2024-04-25 12:39 → 2024-04-26 12:39 Legal Recording Timestamp: Start date → End date

Start typing to search by Action, Meta Action, Transaction ID, Application, Username, Organization Name and more

Transaction timestamp	Username	User ID	Terminal IP	Organization name	Organization ID	Meta action	Action	Application	Application version	Channel	Object ID	Exception code	Exception message	Transaction ID	Transaction status	Actions
2024-04-26 10:08:39.076	uom_ta_user_admin@avitech.sk	3e144fc3-29de-4e18-9d8a-0ee447f7a6a	10.244.6.164	DOP	204bed89-94b5-4b63-b111-f5a6948a296e	Business Role Deleted	Delete	UOM	1.2.0	HMI	99c15b4f-bef2-403e-8ff1-9350f19b3265			1f2b73ff-5f3a-4ce0-9882-2a10db854d60	Success	<input type="button" value="View"/>
2024-04-26 10:08:39.035	uom_ta_user_admin@avitech.sk	3e144fc3-29de-4e18-9d8a-0ee447f7a6a	10.244.6.164	DOP	204bed89-94b5-4b63-b111-f5a6948a296e	Organization Updated Subsequently	Update	UOM	1.2.0	HMI	204bed89-94b5-4b63-b111-f5a6948a296e			1f2b73ff-5f3a-4ce0-9882-2a10db854d60	Fail	<input type="button" value="View"/>
2024-04-26 10:08:37.899	uom_ta_user_admin@avitech.sk	3e144fc3-29de-4e18-9d8a-0ee447f7a6a	10.244.6.164	DOP	204bed89-94b5-4b63-b111-f5a6948a296e	Business Role Created	Create	UOM	1.2.0	HMI	99c15b4f-bef2-403e-8ff1-9350f19b3265			1cc625404-3c69-4f5c-b747-c28d019f20fd	Success	<input type="button" value="View"/>
2024-04-26 09:55:33.166	uom_ta_user_admin@avitech.sk	3e144fc3-29de-4e18-9d8a-0ee447f7a6a	10.244.6.164	DOP	204bed89-94b5-4b63-b111-f5a6948a296e	Business Role Deleted	Delete	UOM	1.2.0	HMI	0b720a0f-980f-443f-b1b4-0a0a3a8cb226			300e9307-45f1-488f-89ba-2759cf176c66	Success	<input type="button" value="View"/>

Features

- [Investigation](#): Interface to select records linked to a given transaction.
- [Detail View](#): This is where you will visualize or download the content of a record
- [Statistics View](#): Allows you to get counts on specific meta actions
- **Restore View** - *not deployed in W1*

8.1. Investigation

Legal Recording Investigation Interface

Legal Recording Investigation

Transaction Timestamp: 2024-04-25 12:39 → 2024-04-26 12:39
 Legal Recording Timestamp: Start date → End date [Reset]

Start typing to search by Action, Meta Action, Transaction ID, Application, Username, Organization Name and more

Generate Statistics

Transaction timestamp	Username	User ID	Terminal IP	Organization name	Organization ID	Meta action	Action	Application	Application version	Channel	Object ID	Exception code	Exception message	Transaction ID	Transaction status	Actions
2024-04-26 10:08:39.076	uom_ta_user_admin@avtech.sk	3e144fc3-2a9e-4e18-9d8a-0ee447f7a6a	10.244.6.164	DOP	204bec89-94b5-4b63-b111-f5a6948a296e	Business Role Deleted	Delete	UOM	1.2.0	HMI	99c15b4f-bef2-403e-8ff1-9350f19b3265			1f2b73ff-5f3a-4ce0-9882-2a10db854d60	Success	View
2024-04-26 10:08:39.035	uom_ta_user_admin@avtech.sk	3e144fc3-2a9e-4e18-9d8a-0ee447f7a6a	10.244.6.164	DOP	204bec89-94b5-4b63-b111-f5a6948a296e	Organization Updated Subsequently	Update	UOM	1.2.0	HMI	94b5-4b63-b111-f5a6948a296e			1f2b73ff-5f3a-4ce0-9882-2a10db854d60	Fail	View
2024-04-26 10:08:37.899	uom_ta_user_admin@avtech.sk	3e144fc3-2a9e-4e18-9d8a-0ee447f7a6a	10.244.6.164	DOP	204bec89-94b5-4b63-b111-f5a6948a296e	Business Role Created	Create	UOM	1.2.0	HMI	99c15b4f-bef2-403e-8ff1-9350f19b3265			1cc25404-3c69-4f0c-b747-c2e019f29fd	Success	View
2024-04-26 09:55:33.166	uom_ta_user_admin@avtech.sk	3e144fc3-2a9e-4e18-9d8a-0ee447f7a6a	10.244.6.164	DOP	204bec89-94b5-4b63-b111-f5a6948a296e	Business Role Deleted	Delete	UOM	1.2.0	HMI	0b720af0-980f-443f-b1b4-0a0a3a8cb226			300e9307-45f1-488f-89ba-275cfc176c66	Success	View

Filter

* Transaction Timestamp: 2020-11-02 11:00:24 → 2020-11-02 11:18:24
 Legal Recording Timestamp: 2020-11-02 11:00:24 → 2020-11-02 11:18:24 [Reset]

Start typing to search by Action, Meta Action, Transaction ID, Application, Username or Organization Name and more... tap 's' to begin typing

Generate Statistics

- Transaction Timestamp:** Indicates the times as recorded by the application at creation time
- Legal Recording Timestamp:** Indicates when the transaction was recorded in *Legal Recording*



Please refer to the [User Dates](#) chapter for detailed instructions

-
-
-
- OmniBox:** All fields except timestamp related ones, are part of the OmniBox filter as detailed below.
- Reset:** //DEF
- Generate Statistics:** //DEF


OmniBox filter

In OmniBox, logical operator between particular conditions is "and". In case one attribute is present multiple times, the operator is "or", example: MetaAction = 'Organization Created' or MetaAction = 'Organization Updated'
 Comparing strings is case insensitive and following rules are supported: wildCard="*" escapeChar="\\" singleChar="_"

- **Action** (raise an error message “Not supported option” if other value is requested)
 - Create
 - Update
 - Delete
 - Send
 - Receive
- **Meta Action**
- **TransactionID**
- **Application** (raise an error message “Not supported option” if other value is requested)
 - ADM
 - UOM
 - AIMSL
- **UserName**
- **OrganizationName**
- **Channel** (raise an error message “Not supported option” if other value is requested)
 - HMI
 - B2B
- **TerminalIP** : IPv4 or IPv6 (raise an error message “Not valid format” if not-compliant value is requested)
- **ObjectID**
- **Exception Code**
- **ReferencedObjectID**
- **User ID** (raise an front-end error message “Not valid format” if not-compliant value is requested)
- **OrganizationId** (raise an front-end error message “Not valid format” if not-compliant value is requested)
- **ApplicationVersion**
- **ExceptionMessage**
- **Transaction Status** (raise an error message “Not supported option” if other value is requested)
 - Success (Default)
 - Failed

Result Table

Transaction timestamp	Username	User ID	Terminal IP	Organization name	Organization ID	Meta action	Action	Application	Application version	Channel	Object ID	Exception code	Exception message	Transaction ID	Transaction status	Actions
2024-04-26 10:08:39.076	uom_ta_user_admin@avitech.sk	3e144fc3-29de-4e18-9d8a-0ee447f7a6a	10.244.6.164	DOP	204bed89-94b5-4b63-b111-f5a6948a296e	Business Role Deleted	Delete	UOM	1.2.0	HMI	99c15b4f-bef2-403e-8ff1-9350f19b3265			1f2b73ff-5f3a-4ce0-9882-2a10db854d60	Success	View
2024-04-26 10:08:39.035	uom_ta_user_admin@avitech.sk	3e144fc3-29de-4e18-9d8a-0ee447f7a6a	10.244.6.164	DOP	204bed89-94b5-4b63-b111-f5a6948a296e	Organization Updated Subsequently	Update	UOM	1.2.0	HMI	204bed89-94b5-4b63-b111-f5a6948a296e			1f2b73ff-5f3a-4ce0-9882-2a10db854d60	Fail	View
2024-04-26 10:08:37.899	uom_ta_user_admin@avitech.sk	3e144fc3-29de-4e18-9d8a-0ee447f7a6a	10.244.6.164	DOP	204bed89-94b5-4b63-b111-f5a6948a296e	Business Role Created	Create	UOM	1.2.0	HMI	99c15b4f-bef2-403e-8ff1-9350f19b3265			1c625404-3c69-4f5c-b747-c28d019f20fd	Success	View
2024-04-26 09:55:33.166	uom_ta_user_admin@avitech.sk	3e144fc3-29de-4e18-9d8a-0ee447f7a6a	10.244.6.164	DOP	204bed89-94b5-4b63-b111-f5a6948a296e	Business Role Deleted	Delete	UOM	1.2.0	HMI	0b720af6-980f-443f-b1b4-0a0a3a8cb226			305e9307-45f1-458f-89ba-275cfc176c56	Success	View

The Results table features a series of default columns - that you can configure by means of the  menu



Please refer to the [Sort Columns in Tables](#) chapter for detailed information.

Content

The table displays a series of columns - quite self-explanatory, save for a few ones that are described below:

- Transaction Timestamp
- Username
- User ID
- Terminal IP
- Organization name
- Organization ID
- Meta action
- Action
- Application
- Channel
- Object ID
- Exception Code
- Exception Message
- **Transaction ID:** A unique attribute that can, on specific instances, link together multiple records - see [example](#)
- **Transaction Status:** Will be indicated as *Success* if the process was executed without any issue - or *Fail* if anything happened in the course of the recording that renders the data unsuitable for usage
- Actions

Transaction ID example

Transaction timestamp	Username	User ID	Terminal IP	Organization name	Organization ID	Meta action	Action	Application	Application version	Channel	Object ID	Exception code	Exception message	Transaction ID	Transaction status	Actions
2024-04-26 10:08:39.076	uom_ta_user_admin@avitech.sk	3e144fc3-2a9e-4e18-9d8a-0ee447f7a6a	10.244.6.164	DOP	204bed89-94b5-4b63-b111-f5a6948a296e	Business Role Deleted	Delete	UOM	1.2.0	HMI	99c15b4f-bef2-403e-8ff1-9350f19b3265			1f2b73ff-5f3a-4ce0-9882-2a10db854d60	Success	View
2024-04-26 10:08:39.035	uom_ta_user_admin@avitech.sk	3e144fc3-2a9e-4e18-9d8a-0ee447f7a6a	10.244.6.164	DOP	204bed89-94b5-4b63-b111-f5a6948a296e	Organization Updated Subsequently	Update	UOM	1.2.0	HMI	204bed89-94b5-4b63-b111-f5a6948a296e			1f2b73ff-5f3a-4ce0-9882-2a10db854d60	Success	View


1. This unique *Transaction ID* ...
2. ... Is associated to *two* records that were interlinked

Actions

Generate Statistics

The **Generate Statistics** button triggers the [Statistics View](#).

Menu

The  Action button in the header of the table gives access to the following functions:

- **Export to CSV**

iNM		EUROCONTROL
EAD User Guide		

- Add/Remove columns

8.2. Detail View

The screenshot shows the 'Legal Recording Detail' interface. At the top, there are buttons for 'Close' and 'Download Payload'. The main content area is divided into several sections:

- Transaction Information:** Transaction Timestamp (2024-04-26 10:08:39.076), Legal Recording Timestamp (2024-04-26 10:08:43.130), Transaction ID (1f2b73ff-5f3a-4ce0-9882-2a10db854d60), and Transaction Status (Success).
- Action and Meta Action:** Action (Delete), Meta Action (Business Role Deleted), and Object ID (99c15b4f-bef2-403e-8ff1-9350f19b3265).
- Organization and User Information:** Organization Name (DOP), Organization ID (204bed89-94b5-4b63-b111-f5a6948a296e), Username (uom_ta_user_admin@avitech.sk), and User ID (3e144fc3-2ade-4e18-9d8a-0ee4477f7a6a).
- Application and Terminal Information:** Application (UOM), Application Version (1.2.0), Channel (HMI), and Terminal IP (10.244.0.164).
- Exception Information:** Exception Code and Exception Message (both empty).
- Referenced Object ID Table:** A table with columns 'Referenced Object ID' and 'Value'. The table is currently empty, showing 'No data'.

The Detail View displays the content of a given record

All fields specified for data record:

- Transaction Timestamp
- Legal Recording Timestamp
- Action
- Meta Action
- Object ID
- Transaction ID
- Transaction Status
- Organization Name
- Organization ID
- Username
- User ID
- Application
- Application Version
- Channel
- Terminal IP
- Exception Code
- Exception Message
- Table
 - Referenced Object ID
 - Value

Download Payload

The **Download Payload** button is used to download a file that contains the technical details to be examined in the context of an investigation:

Legal Recording Detail

Transaction Timestamp: 2024-04-26 10:08:39.076 | Legal Recording Timestamp: 2024-04-26 10:08:43.130 | Transaction ID: 1f2b73ff-5f3a-4ce0-9982-2a10db854d80 | Transaction Status: Success

Action: Delete | Meta Action: Business Role Deleted | Object ID: 99c15b4f-bef2-403e-8ff1-9350f19b3265

Legal Recording Detail

Transaction Timestamp: 2024-04-26 10:08:39.076 | Legal Recording Timestamp: 2024-04-26 10:08:43.130 | Transaction ID: 1f2b73ff-5f3a-4ce0-9982-2a10db854d80 | Transaction Status: Success

Action: Delete | Meta Action: Business Role Deleted | Object ID: 99c15b4f-bef2-403e-8ff1-9350f19b3265

Modal: Payload Download
Payload file 06420dca-1e9b-4357-856d-ac8f7587a4e7.txt (2.00 B) is ready for download.
Buttons: Cancel, Download

```
1. e86f7b43-073c-4e96-bfcc-504a1190dc5a (1).txt
{
  "bdid": "204bed09-94b5-4b63-b111-f5a6948a296e",
  "level": 1,
  "status": "ACTIVE",
  "authorityCode": "AA",
  "parentOrganization": null,
  "federated": true,
  "name": "DOG",
  "city": "Brussels",
  "products": [
    {
      "dataUserLicences": null,
      "areaOfResponsibility": null,
      "dataProviderLicences": null,
      "product": {
        "description": "User & Organization management",
        "id": "3cc400a8-51cf-4b03-be43-d3b0ce49648c",
        "name": "UOH"
      }
    },
    {
      "productId": "3cc400a8-51cf-4b03-be43-d3b0ce49648c",
      "organizationId": "204bed09-94b5-4b63-b111-f5a6948a296e"
    },
    {
      "dataProvider": null,
      "roleMappings": [
        {
          "productId": "3cc400a8-51cf-4b03-be43-d3b0ce49648c",
          "role": {
            "product": {
              "description": "User & Organization management",
              "id": "3cc400a8-51cf-4b03-be43-d3b0ce49648c",
              "name": "UOH"
            },
            "id": "99c15b4f-bef2-403e-8ff1-9350f19b3265",
            "name": "UOH_IA_ROLE_NAME"
          }
        },
        {
          "organizationId": "204bed09-94b5-4b63-b111-f5a6948a296e",
          "roleId": "99c15b4f-bef2-403e-8ff1-9350f19b3265"
        }
      ]
    },
    {
      "productId": "3cc400a8-51cf-4b03-be43-d3b0ce49648c",
      "role": {
        "product": {
          "description": "User & Organization management",
          "id": "3cc400a8-51cf-4b03-be43-d3b0ce49648c",
          "name": "UOH"
        }
      }
    }
  ]
}
```

8.3. Statistics View

Investigation Statistics

With the help of the statistics functionality, you can determine how many actions of a specific kind a user has made in a defined period. It is possible to determine from which workstation address the greatest number of actions were recorded, etc.

The screenshot shows the 'Generate Statistics' dialog box overlaid on the 'Legal Recording Investigation' interface. The dialog box contains the following data:

Item	Count
User Updated Subsequently	34
User Updated	11
User Deactivated Subsequently	12
User Deactivated	12
User Created	113
User Added	8
User Activated	7
Organization Updated Subsequently	101
Organization Updated	23
Average	41.867, Total Count: 628


The background interface shows a table with columns: Transaction timestamp, Username, User ID, Exception message, Transaction ID, Transaction status, and Actions. The 'Generate Statistics' button is visible in the top right of the background interface.

This dialog enables statistical evaluations of:

- Application,
- Username,
- Organization name,
- Meta action,
- Action,
- Terminal IP,
- Channel,
- Exception Code

This dialog also displays the number of distinct items (either applications, users, meta actions, actions or terminals) in the **Total Items** text field, the total record count and the average (the ratio Total Count – Total Items) for the currently active query.

Export

Use the  menu to get the **Export to CSV** command.

9. IFS - Internet File System

All downloads and other files queried to and from the EAD system are stored on the "Internet File Server" (IFS). To avoid excessive and redundant files accumulating, the SD Operator shall perform a clean up on the weekend after each AIRAC date,

The clean-up of the IFS files shall be recorded in the ODR. The files to be cleaned up are:

- ADM Backup files older than 1 month
- Quality review files older than 1 month
- Auto-upload and Upload folder files older than 7 days
- Checklists (and corresponding directories) older than the actual day (clean up can be done daily)

All files stored under the IFS path home/adm/download and home/reporting should be set as an automatic clean up (files older than 90 days are deleted daily). The Operator shall not remove any files from the mentioned folders.

Other items than those mentioned above shall not be cleaned up without coordination with a Supervisor.