

Taxonomy structure

ECCAIRS taxonomy elements are structured as follows:

- Entities
- Attributes
- Value Lists
- Values

Entities

Entities represent items to which specific attributes are assigned—for example, an “Aircraft” involved in an incident or the associated “Events” description.

Multiple instances of an entity may exist when several items are involved (e.g., multiple aircraft in a single incident).

Entities can have child entities (e.g., an “Engine” belonging to an “Aircraft”).

Entities may also be linked to other entities (e.g., “Airspace” or “Aerodrome” where the “Aircraft” is operating).

Entities information

Entities in the Taxonomy Tree are represented by _or .

The following information will be displayed in the right side of the screen when you click on an Entity in the Taxonomy Tree:

- Entity information: A brief summary of the selected Entity.
- Parent Entities: The list of its parent Entities
- Child Entities: The list of its children Entities
- Attributes. The list of its Attributes


Click on each tab (Parent Entities, Child Entities, Attributes) to view its information.

The screenshot shows the TAXONOMY BROWSER interface. On the left is a navigation tree with 'Engine' selected under 'Aircraft'. The main area displays the 'Engine' entity details:


- Entity ID: 13
- Description: Engine
- Detailed: Engine information
- Explanation: Information on the engines : number of cycles or hours of the engines involved. Not only used for failure of the engines, but whenever at hand.
- XSD Tag: Engine
- Parent: Aircraft

Below the details is a table of attributes:

ID	Description	Custom	Mandatory	Multiple Values
387	Manufacturer/model	(All)	Optional	Single value
388	Engine cycles		Optional	Single value
389	Time since overhaul		Optional	Single value
653	Engine position		Optional	Single value
654	Nature of engine involvement		Optional	Single value
655	Thrust loss		Optional	Single value
656	Nr of birds ingested		Optional	Single value
881	Engine serial number		Optional	Single value
882	ATA chapter involved		Optional	Single value
883	Time since new		Optional	Single value

Clicking the 'eye' icon  you can see detailed information from the entity.

Attributes

Attributes describe properties/values associated to an entity and represented by . An example of an attribute of the "Aircraft" entity is its "manufacturer/model". Attributes may have either single or multiple values and can be of the following types:

- Number
- Decimals
- Text
- Alphanumeric
- Date
- Time
- DateTime
- Longitude
- Latitude
- Code
- Code and Additional Text
- Code or Alternative Text
- ECCAIRS Resource Locator
- ECCAIRS Data Link
- ECCAIRS Embedded Data

Attributes information

Attribute information can be viewed from two locations within the Taxonomy Browser:

- Locate the attribute in the Taxonomy Tree and click on it (1). The information will then be displayed in the right-hand pane.

The screenshot displays the Taxonomy Browser interface. On the left, a navigation tree shows the hierarchy: Occurrence > All Attributes > Aerodrome General > All Attributes > Aerodrome latitude (1). The right-hand pane is titled 'Aerodrome latitude' and contains the following information:

DEFINITION	
Attribute ID:	1
Description:	Aerodrome latitude
Detailed:	Aerodrome latitude
Explanation:	The latitude of the aerodrome reference point. Aerodrome reference point: The designated geographical location of an aerodrome.
XSD Tag:	Aerodrome_Latitude
Group:	Aerodrome
Taxonomy Reference:	ECCAIRS
Domains:	RIT
Entity:	Aerodrome General
Personal Data:	✗
Custom Attrib.:	✗

VALUES			
Attribute Type:	ManualEntry		
Data Type:	Latitude		
Size:	5	Decimals:	
Class Unit:	None	Storage:	Display:
Value List:		Read Only:	✗

ADVANCED PROPERTIES			
Case Type:			
Limit Low:	-90	Limit High:	+90
Input Mask:		Output Mask:	

At the bottom of the interface, there are tabs for 'Entities', 'Attributes', and 'Linked', with 'Attributes' currently selected.

- Select the entity to which the attribute belongs in the Taxonomy Tree (1), then click the 'Attribute' tab in the right-hand pane (2). Finally locate the attribute in the list and click



the 'eye' icon to view its detailed information (3):

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type to filter

1

Aerodrome General

Entity ID: 1 Description: Aerodrome General

Detailed: Aerodrome General

Explanation: The identification of the aerodrome/helicopter landing area by name, location and status.

XSD Tag: Aerodrome_General

Parent: Occurrence

Parent Entities Child Entities **Attributes 2**

ID	Description	Custom	Mandatory	Multiple Values
1	Aerodrome latitude	(All)	Optional	Single value
2	Aerodrome longitude		Optional	Single value
3	Area configuration		Optional	Single value
4	Elevation above MSL		Optional	Single value
5	Location indicator		Optional	Single value
7	Aerodrome status		Optional	Single value
8	Surface type		Optional	Single value
9	Landing area type		Optional	Single value

Entities Attributes **Linked**

3

The information will be displayed:

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type to filter

1

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Detailed: Aerodrome General

Explanation: The identification of the aerodrome/helicopter landing area by name, location and status.

XSD Tag: Aerodrome_General

Parent: Occurrence

Parent Entities Child Entities **Attributes 2**

ID	Description	Custom	Mandatory	Multiple Values
1	Aerodrome latitude	(All)	Optional	Single value
2	Aerodrome longitude		Optional	Single value
3	Area configuration		Optional	Single value
4	Elevation above MSL		Optional	Single value
5	Location indicator		Optional	Single value
7	Aerodrome status		Optional	Single value
8	Surface type		Optional	Single value
9	Landing area type		Optional	Single value

Entities Attributes **Linked**

3

Occurrence > Aerodrome General > AERODROME LATITUDE

Aerodrome latitude

Definition

DEFINITION

Attribute ID: 1

Description: Aerodrome latitude

Detailed: Aerodrome latitude

Explanation: The latitude of the aerodrome reference point. Aerodrome reference point: The designated geographical location of an aerodrome.

XSD Tag: Aerodrome_Latitude

Group: Aerodrome

Taxonomy Reference: ECCAIRS

Domains: RIT

Entity: Aerodrome General

Personal Data: ✗

Custom Attrib.: ✗

VALUES

Attribute Type: ManualEntry

Data Type: Latitude

Size: 5 Decimals:

Class Unit: None Display:

Storage: Value List:

Read Only: ✗

ADVANCED PROPERTIES

Case Type:

Limit Low: -90 Limit High: +90

Input Mask: Output Mask:

INSTANCE

Mandatory: Optional

Multiple Values: Single value

Attribute information may be displayed across two tabs:

- **Definition**

Aerodrome status

Definition

Values

DEFINITION

Attribute ID:	7
Description:	Aerodrome status
Detailed:	Aerodrome status
Explanation:	The status of the aerodrome, i.e. whether it is a public, private or military aerodrome.
XSD Tag:	Aerodrome_Status
Group:	Aerodrome
Taxonomy Reference:	ECCAIRS
Domains:	RIT
Entity:	Aerodrome General
Personal Data:	✗
Custom Attrib.:	✗

INSTANCE

Mandatory:	Optional
Multiple Values:	Single value

VALUES

Attribute Type:	PredefinedValueList
Data Type:	Code
Size:	Decimals:
Class Unit:	None
Storage:	Display:
Value List:	VL for AttrID: 7 - Aerodrome status
Read Only:	✗

ADVANCED PROPERTIES

Case Type:	
Limit Low:	Limit High:
Input Mask:	Output Mask:

- **Values:** If the attribute has a predefined value list, you can navigate through the values in the Values Tree by clicking on each element. The selected value will display its definition. Values can be searched by Taxonomy Code or Description and can be sorted alphabetically.

Aerodrome status

Definition

Values

type to filter

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- Light a/c aerodrome
- Military airstrip
- Military airstrip, public
- Other
- Private airstrip
- Public aerodrome
- Restricted aerodrome
- Unknown

DEFINITION

Value ID: 5

Description: Light a/c aerodrome

Detailed: An aerodrome used in the main by gliders and microlight aircraft.

Explanation: A defined area on land or water (including any buildings, installations and equipment) intended to be used either wholly or in part for the arrival, departure and surface movement of gliders and microlight aircraft.

XSD Tag: 5

Domains: RIT

Special Value: Normal

Parent:

VALUE ALIAS

Alias	Value	Default
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No records available

Value Lists

The list of values an attribute can have is defined in a Value List. The Value List can have multiple level where values are organized in a tree mode.

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destination

Planned destination

Definition Values

type to filter

- Slovakia
- Slovenia
- Solomon Islands
- Somalia
- South Africa
- South Georgia and the South Sandwich Islands
- South Sudan
- Spain
 - Formentera/San Francisco Javier [Heliport]
 - GCAD : HELIPUERTO DE ADEJE (TENERIFE)(HEL)
 - GCAR : HELIPUERTO DE ARTENARA (GRAN CANARIA)(HEL)**
 - GCAT : AERODROMO DE ANTIGUA-FUERTEVENTURA (LAS PALMAS)
 - GCCC : CANARIAS ACC/FIR/UIR DATA AUTHORITY
 - GECE : CEUTA (HEL CIVIL)
 - GECT : Ceuta [Heliport]

DEFINITION

Value ID: 2003529
 Description: GCAR : HELIPUERTO DE ARTENARA (GRAN CANARIA)(HEL)
 Detailed: HELIPUERTO DE ARTENARA (GRAN CANARIA)(HEL)
 Explanation:
 XSD Tag: 2003529
 Domains: RIT
 Special Value: Normal
 Parent: Spain

VALUE ALIAS

Alias	Value	Default
ISO CODE ALPHA-3		<input type="checkbox"/>
ICAO	GCAR	<input type="checkbox"/>
ISO CODE ALPHA-2		<input type="checkbox"/>
IATA		<input type="checkbox"/>
FIR		<input type="checkbox"/>
NATIONAL ID		<input type="checkbox"/>

Entities Attributes Linked

Value list can have Alias:

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destination

Planned destination

Definition Values

Spain

- Belize
- Canary Islands
 - GCDC : Helipuerto Hospital U. Nuestra Sra. De Candelaria**
 - GCFV (FUE) : Puerto Del Rosario/ Fuerteventura
 - GCGA : Canarias (Grupo de Alerta y Control)
 - GCGC : Las Palmas De Gran Canaria (Met)
 - GCGM (GMZ) : La gomera
 - GCGO : San Sebastián de la Gomera (La Gomera) [Heliport]
 - GCHG : Hospital Universitario Insular de Gran Canaria (Gr
 - GCHI (VDE) : Hierro
 - GCHU : Hospital Universitario de Canarias (Tenerife) [Heli

DEFINITION

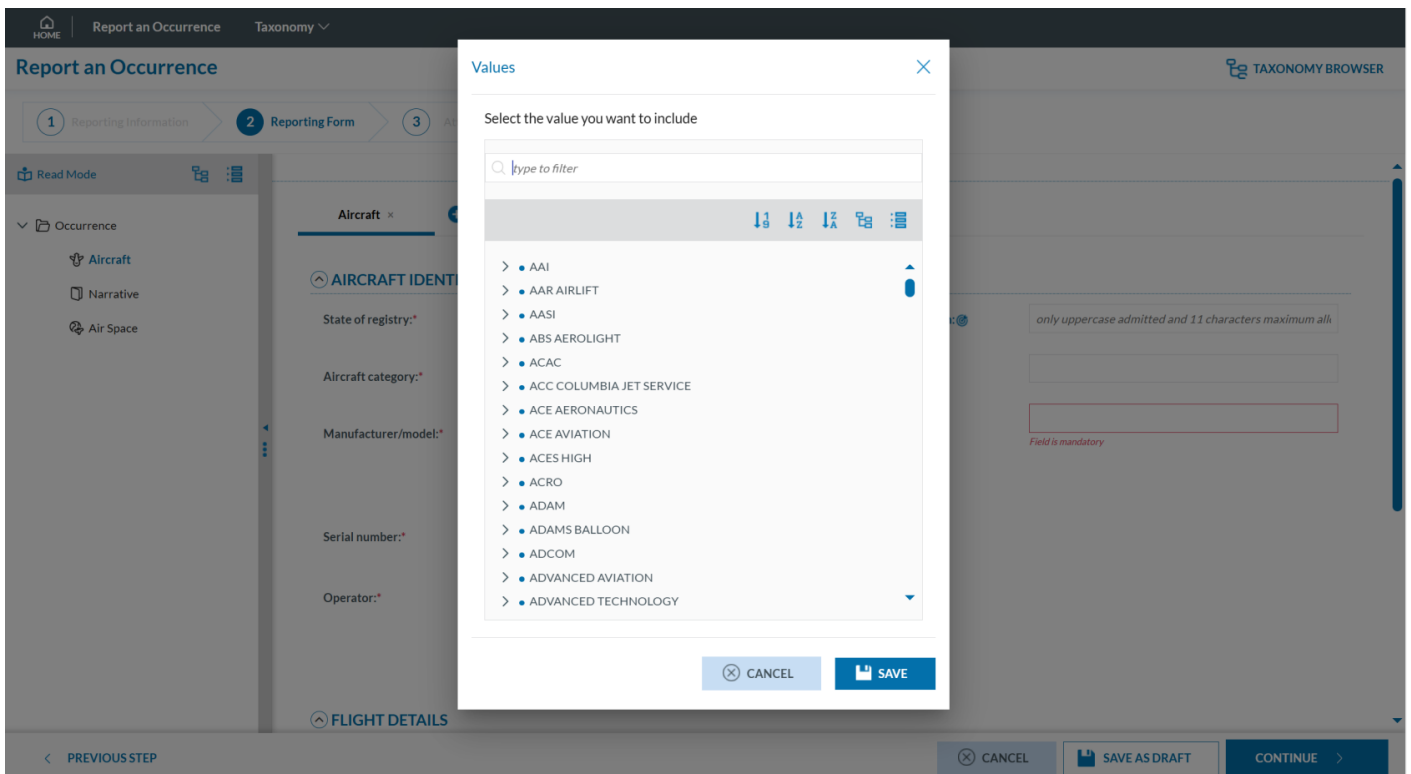
Value ID: 999556
 Description: GCDC : Helipuerto Hospital U. Nuestra Sra. De Candelaria (Tenerife) [Heliport]
 Detailed: Helipuerto Hospital U. Nuestra Sra. De Candelaria (Tenerife) [Heliport]
 Explanation:
 XSD Tag: 999556
 Domains: RIT
 Special Value: Normal
 Parent: Canary Islands

VALUE ALIAS

Alias	Value	Default
ISO CODE ALPHA-3	ESP	<input type="checkbox"/>
ICAO	GCDC	<input type="checkbox"/>
ISO CODE ALPHA-2	ES	<input type="checkbox"/>
FIR	GCCC	<input type="checkbox"/>

Values



Depending on the attribute type, values may either be manually entered or selected from a predefined list (Value List). For example, for the Manufacturer/Model of an aircraft, a value can be chosen from a Value List:



However, for the Location Name attribute, values must be entered as free text only:

Location name:*
Field is mandatory

Filter the information

You can filter the Parent Entities, Child Entities and Attributes table by typing the term to be searched in the filter row. You can restrict the results by clicking the 'filter' icon . To delete the filter, you must click the  'clear filter' icon.

By default, the 'contains' condition is selected:

ID^	Description	Custom
		(All)
21	Manufacturer/model	
22	Aircraft altitude	
23	Actual altimeter setting	
25	Aircraft flight level	
26	Aircraft height	

The filter options are:

- Is equal to: the filter will look for fields that match the exact same string
- Is not equal to: the filter will avoid the fields that match the exact same string
- Contains: the filter will display all the fields that have the string written in any position
- Does not contain: the filter will display the fields that do not have the string written in any position
- Start with: the filter will look for the string at the beginning of the field
- Ends with: the filter will look for the string at the end of the field
- Is null: field does not exist
- Is not null: field exists
- Is empty: fields exist but does not have information
- Is not empty: field exists and has information

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