

[APE.CLS] Apron portion - closure

Definition

The temporary closure of a portion of an area intended to accommodate aircraft for purposes of loading or unloading passengers, mail or cargo, fuelling, parking or maintenance.

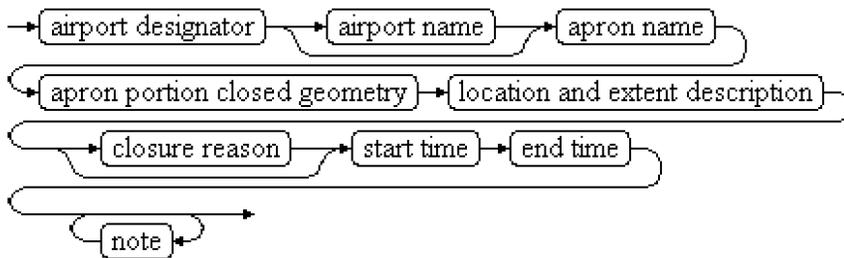
Notes:

- *this scenario includes the closure of a portion of an apron. It is assumed that the apron portion does **not** exist in the baseline data, and has to be created for the event;*
- *this scenario does not cover the temporary addition of a supplementary restriction to the apron availability, such as "closed for aircraft heavier than...".*
- *this scenario does not cover the temporary change of the operational hours of an apron element;*
- *this scenario does not cover the situation when the apron element is operating normally, but subject to a reason for caution (such as "grass cutting in progress", etc.).*

Event data

The following diagram identifies the information items that are usually provided by a data originator for this kind of event. Note that the flight and/or aircraft categories branch is optional, but can be more than once.

input



EBNF Code

```
input = "airport designator" ["airport name"] "apron name" \n
"apron portion closed geometry" "location and extent description" \n
["closure reason"] "start time" "end time" \n
{note}.
```

The table below provides more details about each information item contained in the diagram. It also provides the mapping of each information item within the AIXM 5.1.1 structure. The name of the variable (first column) is recommended for use as label of the data field in human-machine interfaces (HMI).

Data item	Description	AIXM mapping
airport designator	The published designator of the airport where the apron is located, used in combination with other elements in order to identify the apron portion concerned.	AirportHeliport.designator
airport name	The published name of the airport where the apron is located, used in order to identify the apron(s) and /or apron portion(s) concerned.	AirportHeliport.name
apron name	The published name of the apron concerned. This information is used in combination with the airport designator/name in order to identify the affected apron(s) and/or apron portion(s)	Apron.name
apron portion closed geometry	The coordinates defining the apron portion to be closed.	ApronElement.extent/ElevatedSurface.posList

location and extent description	Textual description of the closed portion location and extent.	ApronElement.annotation with propertyName="extent" and purpose="DESCRIPTION"
closure reason	The reason for the apron portion closure.	ApronElement/ApronAreaAvailability.annotation with propertyName="operationalStatus" and purpose="REMARK". Note that the property "warning" of the ApronAreaAvailability class is not used here because it represents a reason for caution when allowed to operate on the apron, not a reason for a closure.
start time	The effective date & time when the apron closure starts. This might be further detailed in a "schedule".	ApronElement/ApronTimeSlice/TimePeriod.beginPosition, Event/EventTimeSlice.validTime/beginPosition and Event/EventTimeSlice.featureLifetime/beginPosition
end time	The end date & time when the apron closure ends.	ApronElement/ApronTimeSlice/TimePeriod.endPosition, Event/EventTimeSlice.validTime/endPosition and Event/EventTimeSlice.featureLifetime/endPosition also applying the rules for {{Events with estimated end time}}
schedule	A schedule might be provided, in case the apron portion is effectively closed according to a regular timetable, within the overall closure period.	ApronElement/ApronAreaAvailability/Timesheet/...according to the rules for {{Schedules}}
note	A free text note that provides further details concerning the apron closure.	ApronElement.annotation according to the rules for encoding annotations

Assumptions for baseline data

It is assumed that AirportHeliport BASELINE Timeslice covering the entire duration of the event exist and have been coded as specified in the Coding Guidelines for the (ICAO) AIP Data Set. In addition the information about the Apron already exists in the form of a Apron BASELINE TimeSlice, which contains as a minimum:

1. a name, and
2. an association with the AirportHeliport;

Data encoding rules

The data encoding rules provided in this section shall be followed in order to ensure the harmonisation of the digital encodings provided by different sources. The compliance with some of these encoding rules can be checked with automatic data validation rules. When this is the case, the number of the encoding rule is mentioned in the data validation rule.

Identifier	Data encoding rule
ER-01	The temporary closure of an apron portion shall be encoded as: <ul style="list-style-type: none"> • a new Event with a BASELINE TimeSlice (encoding=DIGITAL, scenario=APE.CLS, version=2.0), for which a PERMDELTA TimeSlice may also be provided; and • a TimeSlice of type BASELINE for the ad-hoc ApronElement feature, for which the "event:theEvent"property points to the Event instance created above;
ER-02	ApronElement BASELINE TimeSlice shall have ApronAreaAvailability with operationalStatus=CLOSED.
ER-03	ApronElement BASELINE TimeSlice shall have associatedApron xlink:href the Apron on which is located (as selected by the operator)
ER-04	The location and extent description shall be encoded in free text as an ApronElement.annotation with propertyName="extent" and purpose="DESCRIPTION"
ER-05	If the closure is limited to a discrete schedule within the overall time period between the "start time" and the "end time", then this shall be encoded using as many as necessary timeInterval/Timesheet properties for the ApronAreaAvailability of the affected ApronElement TEMPDELTA Timeslice(s). See the rules for Event Schedules.
ER-06	<i>If there exists aircraft stands on the closed ApronElement and if the apron portion closure makes the aircraft stand unavailable, then a consequence STAND.CLS scenario shall also be encoded for the relevant AircraftStand feature and shall include a reference to the current event with role 'causeEvent'.</i>

Examples

Following coding examples can be found on GitHub (links attached):

- [DN_APE.CLS_EADD_geometry.xml](#)