

Change ID: 5.1-42

Flight characteristics - revision

Summary

In order to improve the capability of the model for Digital NOTAM encoding, it is proposed to update the list of values and the name of the CodePurposeType, CodeFlightStatusType and CodeOriginType data types.

Background

The [CodePurposeType](#) data type defines flight categories based on the commercial/non-commercial nature of the flight.

The [CodeFlightStatusType](#) data type defines flight categories based on the "status" of the flight (State/Humanitarian/Hospital/Etc.).

The [CodeOriginType](#) data type defines flight categories based on the origin of the flight.

Rationale for the change

CodePurposeType

The current options are not sufficient. They need to be expanded to allow identifying aircraft participating in the activity. This would allow to model situations such as "EXCEPT PARTICIPATING AIRCRAFT", which may be the case for airspace restrictions related to an air show.

The meaning of some allowable values need to be further clarified. In particular, the value "PRIVATE" should be detailed to indicate that it designates "private flight", which is different from "private airport".

The name of the data type is too general and may be conflicting in future with other 'purpose' list of values. It needs to be made more specific in order to indicate that it defines Flight Purpose (CodeFlightPurposeType).

CodeFlightStatusType

The current options are not sufficient. They need to be expanded to cover the situation where the flight is an emergency. This will allow the encoding of NOTAM that say, for example: "TKOFF AND LANDING PROHIBITED EXCEPT EMERGENCY".

CodeOriginType

The current options are not sufficient. They need to be expanded to cover the situation where the flight is based on the airport in question. This will allow the encoding of NOTAM that say, for example: "LIMITED TO HOME BASED ACFT".

The name of the data type is too general. It needs to be made more specific in order to indicate that it defines Flight Origin (CodeFlightOriginType).

Change proposal details

Update the CodePurposeType data type:

- changed name: CodeFlightPurposeType
- change definition = " *A coded list of values indicating the nature of a flight (scheduled, non-scheduled, private, etc.)*"
- new allowable value: PARTICIPANT = " *Aircraft participating in a specified activity.*"
- more detailed definitions for the following values:
 - SCHEDULED = " *A commercial flight (carrying passenger or cargo for a pay) that takes place in accordance with an airlines published regular timetable, as opposed to a charter flight or special flight.*"
 - NON_SCHEDULED = " *A commercial charter or special flight executed by an airline, not published in a regular timetable.*"
 - PRIVATE = " *A flight executed for the benefit of the aircraft owner and not for commercial purpose*"
 - AIR_TRAINING = " *A flight executed in order to develop or test the flying skills of the crew on board the aircraft*"
 - AIR_WORK = " *Operations in which an aircraft is used for specialized services*"

Update the CodeFlightStatusType data type:

- add new value EMERGENCY = " *The aircraft has declared an emergency situation.*"

Update the CodeOriginType data type:

- changed name: CodeFlightOriginType
- change definition = " *A coded list of values indicating the source of a flight (local, national, international, etc.)*";
- new allowable value: HOME_BASED = " *The flight is operated with an aircraft currently stationed at the airport in question.*"