Change Proposal

ID:	**AIXM-152**
target version:	**AIXM 5.1.1**
version:	**1.0**
last updated:	**21 APR 2015**
status:	**Implemented**

AIXM
Aeronautical Information Exchange Model

Change Control Board

Include altitude reference in the definition of minimumReceptionAltitude

Description

Clarify the definition of minimumReceptionAltitude attribute of AngleIndication and DistanceIndication features, to explicitly indicate the reference Mean Sea Level (MSL).

Rationale for change

See https://aixmccb.atlassian.net/browse/AIXM-121

The DistanceIndication and AngleIndication features include the minimumReceptionAltitude attribute; however, there is no attribute indicating what reference is used for this altitude (e.g. MSL, SFC, STD, etc.). While the minimum reception altitude is normally referenced to MSL, this field's definition does not indicate this aspect explicitly, so an end user is forced to make an assumption. Enhancing the definition of this attribute would remove the ambiguity, and allow the minimumReceptionAltitude to be clearly referenced.

Impact assessment

AIXM 5.1 Data Providers will not be impacted by this proposal since there is no change either in the UML or in the XML schema.

AIXM 5.1 Data Users will also not be impacted by this proposal since there is no change in the provided data. However, the understanding is improved by the clarification of the definition in the sense that the minimumReceptionAltitude is referenced to MSL.

Change Proposal details

In the UML model, modify the following definition:

- class DistanceIndication, attribute minimumReceptionAltitude definition to read: "The lowest altitude above the mean sea level (MSL) where an aircraft can receive signal."
- class AngleIndication, attribute minimumReceptionAltitude definition to read: "The lowest altitude above the mean sea level (MSL) where an aircraft can receive signal."

Mapping AIXM 5.1 to AIXM 5.1.1 (forward)

NIL. (Not applicable since there is no change in the AIXM Schemas, only the definition is clarified.)

Mapping AIXM 5.1.1 to AIXM 5.1 (backward)

NIL. (Not applicable since there is no change in the AIXM Schemas, only the definition is clarified.)

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