

	A	B	C	D
1	Title	Package	Change Type	Change Description
2	Non-nominal climb gradient for minima	Procedure	Property Change	Added climbGradient attribute in the AircraftCharacteristics, which is related to ApproachConditions, which includes Minima.
3	Change UOM UML modeling	AIXM Data Types	UML Change	Certain <<datatype>> classes might have an associated Unit Of Measurement. This is now indicated in the model by the inclusion of a "uom" attribute in the definition of the <<datatype>> class, instead of an association with role +uom. The type of the uom attribute is typically an <<enumeration>> class.
4	Arresting gear	Airport/Heliport	UML Change	Updated Arresting Gear in RunwayDirection model to reflect codelists for arresting gear engagement devices, energy absorbers, and direction.
5	Military training routes (MTR)	Routes including military	Diagram change; Property change; Documentation change; Relationship change; UML change; XSD change	The following main changes have been made to the Routes and related packages, in order to enable the modelling of "military training routes": <ul style="list-style-type: none"> <li>- added an attribute "militaryTrainingType" to the Route class;</li> <li>- added the value 'T' (TACAN Route) in the CodeRoutePrefixType enumeration;</li> <li>- added association "isUsedBy" between Route and Organisation/Authority, with the description "Indicates the Organisation normally originating activity on a military training route;</li> <li>- added a new attribute "roleMilitaryTraining" in the EnrouteSegmentPoint class;</li> <li>- added a "name" attribute in the Route class;</li> <li>- added an attribute "altitudeInterpretation" in the LevelAndTimeBlock, to indicate "at or above", "below", "between", etc;</li> <li>- added maximumCrossingAtEnd and its reference in the RoutePortionUsage class;</li> <li>- added a "turnDirection" attribute to the RouteSegment class;</li> <li>- replaced attribute "width" of the RouteSegment class with "widthLeft" and "widthRight";</li> <li>- added 'MTR' to the list of values for DesignatedPoint type;</li> <li>- added new type of airspace called 'MTR Buffer';</li> <li>- added an attribute in Service class to indicate "Primary" or "Alternate".</li> </ul>
6	Aerial Refueling (AR)	Aerial Refueling	UML change; XSD change	A new package has been added in the model for Aerial Refueling routes/procedures. The package is named RefuelingAerial for editorial reasons - to be listed nearby the Route package. It contains new classes and relationships, that model "tracks" and "anchors" used during aerial refueling and the associated data (frequencies, controlling organisation, etc).
7	Identifier Attribute	Airport/Heliport	Property Change	To avoid conflicts with the AIXM-Feature identifier property name, the word "identifier" is no longer used as an attribute name on any class in the model. The following classes have been modified: GuidanceLine, ControlSurveyPoint and FlightRestriction.

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8	New attributes in the Obstacle model	Obstacle	Property change; Relationship change	<p>Based on comments on the AIXM RC2 model for Obstacles/Vertical Structures from the EUROCONTROL Terrain &amp; Obstacle Working Group (TOD), the following changes have been made:</p> <ol style="list-style-type: none"> <li>1. Added DEMOLITION_PLANNED and IN_DEMOLITION in the list of values for CodeStatusConstructionType &lt;&lt;codelist&gt;&gt;, which already had the values IN_CONSTRUCTION and COMPLETED. For some critical obstacles, it's useful to know that they intend to remove them.</li> <li>2. Added a "mobile" attribute in the VerticalStructure class (Yes/No), indicating whether the vertical structure is expected to move around its nominal location.</li> <li>3. Made optional [0..1] several associations that were [1]. <ul style="list-style-type: none"> <li>- ObstacleArea hasExtent 0..1 Surface</li> <li>- ObstacleArea isDefinedFor 0..1 ObstacleAreaOrigin</li> <li>- LightElement hasPosition 0..1 ElevatedPoint</li> </ul> </li> <li>4. Added a new value in the CodeObstacleAreaType "MANAGED" which allows grouping together in a 'virtual' ObstacleArea the VerticalStructures included in the data collection exercise, which do not qualify yet as Obstacles in any specific Area</li> </ol>
9	GuidanceLine 'identifier' attribute name	Airport/Heliport	Property Change	Changed the name of the attribute "identifier" of GuidanceLine into 'Designator', in order to avoid confusion with the general AIXM_feature 'identifier' property (UUID).
10	Review Altimeter relationships to Instrument Approach Procedure	Service	Diagram change; Relationship change; UML change	The relationships defining altimeter sources and the associated 'Remote' and 'Primary' flags were moved to the ServiceAtAirportHeliport feature. The attributes were also renamed to 'isRemote' and 'isPrimary'.
11	WAAS Reliability	Procedure	Diagram change; Property change	Added "WAASReliable" : CodeYesNoType to InstrumentApproachProcedure.
12	Safe Altitude Area relationship review	Procedure	Diagram change; Relationship change; UML change	The association originally pointed to InstrumentApproachProcedure. It was moved to the Procedure Abstract Feature to cover SID, STAR, and IAP.
13	Navaid missing name attribute	Navaid Points	Property Change	Added a "name" attribute to the Navaid class, to model the name of a composite navaid service, such as VOR/DME.

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14	Legal holidays issue in Timesheet	Time Management	Property Change	<p>Following a discussion on the AIXM Forum, the following changes have been made in relation with Legal Holidays, when used for Timetable schedules:</p> <p>1) added the following values in CodeDayType:  MON_XHOL (Monday, excluding legal holidays)  TUE_XHOL (Tuesday, excluding legal holidays)  WED_XHOL (Wednesday, excluding legal holidays)  THU_XHOL (Thursday, excluding legal holidays)  FRI_XHOL (Friday, excluding legal holidays)  SAT_XHOL (Saturday, excluding legal holidays)  SUN_XHOL (Sunday, excluding legal holidays)</p> <p>2) added a new association: Timetable appliesSpecialdatesOf [0..*] OrganisationAuthority. This would indicate, for Timetables that have Timesheets using legal holidays, which are exactly the legal holidays to be applied. Legal holidays are encoded as SpecialDates, related to one Organisation/Authority (typically a State, but could also be an Organisation inside the State).</p>
15	Airport "private use" attribute	Airport/Heliport	Property Change	Changed the name of the attribute "private" of the AirportHeliport class into "privateUse". This avoids conflicts with Java reserved words and also better indicates the information modeled by this attribute.
16	Abeam Point definition	Airport/Heliport	Diagram change; Relationship change; UML change	Created an association between RunwayCenterlinePoint (-->) and GlidePath called isDefinedBy with the rolename +abeamPoint.
17	Surface Relationship to Procedure Transition	Procedure	Diagram change; Relationship change; UML change	Surfaces depend on the intersection of two segments (the Transition). Added an association (isEvaluatedBy) between ObstacleAssessmentArea and ProcedureTransition to model this.
18	Airports may have 0..* procedures	Procedure	Relationship change	Airports may have from none to many associated Procedures. The cardinality of the relationship has been changed to: "Procedure (0..*) ---> (1..*) AirportHeliport"
19	Implement AirMAT Model changes to core AIXM: Deicing Area	AIXM AirportHeliport / Taxiway	Property change;UML change	Modified Class: DeicingArea Added Attributes: - status of datatype CodeStatusSurfaceType (Def: Temporal description of the operational state of the feature. This attribute is used to describe real-time status)
20	Implement AirMAT Model changes to core AIXM: NonMovementArea	AIXM AirportHeliport	Diagram change; Property change; Documentation change; Relationship change; UML change	Added new Class: NonMovementArea Stereotype: Feature Definition: - Area where aircraft cannot be seen by a control tower and therefore are restricted to move Attributes: - none Associations: - [0..*] isSituatingAt with [1] AirportHeliport - hasExtent with [0..1] ElevatedSurface

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21	Implement AirMAT Model changes to core AIXM: AirportBoundary	AIXM AirportHeliport	Relationship change; Diagram change; UML change	Modified Class: AirportHeliport Associations: - hasBoundaryForAviationPurposes with [0..1] ElevatedSurface
22	Implement AirMAT Model changes to core AIXM: CodeApronElementType	AIXM Datatypes	Property change; Documentation change; UML change	Modified Datatype: CodeApronElementType Added values: - TEMPORARY (Temporary) - STAIRS (Stairs)
23	Implement AirMAT Model changes to core AIXM: CodeLoadingBridgeType	AIXM Datatypes	Property change; Documentation change; UML change	Added new datatype: CodeLoadingBridgeType Stereotype: Enumeration Values: - ARM (Arm) - MOVABLE_ARM (Movable arm) - PORTABLE_RAMP (Portable ramp) - PORTABLE_STAIRS (Portable Stairs) - OTHER (Other)
24	Implement AirMAT Model changes to core AIXM: PassengerLoadingBridge	AIXM AirportHeliport / Apron	Diagram change; Property change; Documentation change; Relationship change; UML change	Added new Class: PassengerLoadingBridge Stereotype: Feature Definition: - Bridge for loading/unloading access to airplanes for passengers and crew Attributes: - type of datatype CodeLoadingBridgeType (Def: Type of bridge used passengers to board and deplane) Associations: - [0..*] hasLoadingBridge with [0..*] GateStand - hasExtent with [0..1] ElevatedSurface
25	Implement AirMAT Model changes to core AIXM: measureClassCode	AIXM Metadata / FeatureTimesliceMetadata	Definition change	Modified Class: measureClassCode Update definitions: - "SURVEYED" value: "Measurement value captured via field or remote-sensed survey methods."
26	Implement AirMAT Model changes to core AIXM: RunwayProtectArea	AIXM AirportHeliport / Runway	Property change; Documentation change; UML change	Modified Class: RunwayProtectArea Added Attribute: - status of datatype CodeStatusSurfaceType (Def: Temporal description of the operational state of the feature. This attribute is used to describe real-time status.)
27	Implement AirMAT Model changes to core AIXM: RunwayDirection	AIXM AirportHeliport / Runway	Property change; Documentation change; UML change	Modified Class: RunwayDirection Added Attribute: - precisionApproachGuidance of datatype CodeApproachGuidanceType (Def: Degree to which navigation aids provide accurate approach guidance. Precision approaches utilize both lateral (course) and vertical (glideslope) information)

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28	Implement AirMAT Model changes to core AIXM: CodeApproachGuidanceType	AIXM Datatypes	Property change; Documentation change; UML change	Added new Class: CodeApproachGuidanceType Stereotype: Enumeration Definition: - Degree to which navigation aids provide accurate approach guidance. Precision approaches utilize both lateral (course) and vertical (glideslope) information Attributes: - NON_PRECISION (Non-precision approach runway) - ILS_PRECISION_CAT_I (ILS precision approach runway, category I) - ILS_PRECISION_CAT_II (ILS precision approach runway, category II) - ILS_PRECISION_CAT_IIIA (ILS precision approach runway category III A) - ILS_PRECISION_CAT_IIIB (ILS precision approach runway category III B) - ILS_PRECISION_CAT_IIIC (ILS precision approach runway category III C) - ILS_PRECISION_CAT_IIID (ILS precision approach runway category III D) - MLS_PRECISION (Microwave landing system precision approach)
29	Implement AirMAT Model changes to core AIXM: ArrestingGear	AIXM AirportHeliport / Runway	Relationship change; Diagram change; UML change	Modified Class: ArrestingGear Added Associations: - hasSurfaceDescribedBy with [0..1] SurfaceCharacteristics
30	Implement AirMAT Model changes to core AIXM: RunwayBlastPad	AIXM AirportHeliport / Runway	Property change; Documentation change; Relationship change; UML change	Added new Class: RunwayBlastPad Stereotype: Feature Definition: - Specially prepared surface placed adjacent to the end of a runway to eliminate the erosive affect of the high wind forces produced by airplanes at the beginning of their takeoff rolls Attributes: - length of datatype ValDistanceType (Def: Overall length of the feature) - status of datatype codeStatusSurface (Def: Temporal description of the operational state of the feature. This attribute is used to describe real-time status) Associations: - hasExtent with [0..1] ElevatedSurface - hasSurfaceDescribedBy with [0..1] SurfaceCharacteristics - [0..1] isUsedOn with [1] RunwayDirection
31	Implement AirMAT Model changes to core AIXM: TaxiwayElement	AIXM AirportHeliport / Taxiway	Relationship change; Diagram change; UML change	Modified Class: TaxiwayElement Added Associations: - [1] isPaintedOn with [0..*] TaxiwayMarking

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32	Implement AirMAT Model changes to core AIXM: CodeAircraftWingspanClassType	AIXM Datatypes	Property change; Documentation change; UML change	Added new datatype: CodeAircraftWingspanClassType Stereotype: Enumeration Definition: - Type of aircraft that the taxiway can handle; A grouping of airplanes based on wingspan Values: - I (Up to but not including 49 ft (15 m)) - II (49 ft (15 m) up to but not including 79 ft (24 m)) - III (79 ft (24 m) up to but not including 118 ft (36 m)) - IV (118 ft (36 m) up to but not including 171 ft (52 m) ) - V (171 ft (52 m) up to but not including 214 ft (65 m) ) - VI (214 ft (65 m) up to but not including 262 ft (80 m) ) - OTHER (Other)
33	Implement AirMAT Model changes to core AIXM: AircraftCharacteristic	AIXM Shared	Property change; Documentation change; UML change	Modified Class: AircraftCharacteristic Added Attributes: - wingspanClass of datatype CodeAircraftWingspanClassType (Def: Type of aircraft that the taxiway can handle)
34	Implement AirMAT Model changes to core AIXM: Taxiway	AIXM AirportHeliport / Taxiway	Property change; Documentation change; UML change	Modified Class: Taxiway Added Attributes: - length of datatype valDistance (Def: Value for the length of the taxiway)
35	Implement AirMAT Model changes to core AIXM: Seaplanes	AIXM AirportHeliport / Seaplanes	Property change; Documentation change; UML change	Added new package: Seaplanes
36	Implement AirMAT Model changes to core AIXM: FloatingDockSite	AIXM AirportHeliport / Seaplanes	Property change; Documentation change; Diagram change; UML change	Added new Class: FloatingDockSite Stereotype: Feature Definition: - Floating facility which can serve as a mooring place for vessels or as a floating dry dock Attributes: - none Associations: - hasExtent with [0..1] ElevatedSurface - [0..*] hasDockSite with [1] SeaplaneLandingArea

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37	Implement AirMAT Model changes to core AIXM: CodeBuoyType	AIXM Datatypes	Property change; Documentation change; UML change	<p>Added new datatype: CodeBuoyType Stereotype: Enumeration Definition: - Code indicating the type of Buoy Values: - BLACK-RED_FL2 (Danger – Black and red alternating horizontal stripes indicates position of isolated danger) - GREEN (Lateral buoy – Marks port side of the channel when sailing toward the sea) - GREEN-RED_GFL (Lateral buoy - Preferred channel is to port when a red horizontal stripe is sandwiched between two green horizontal stripes) - Q3_VQ3 (Cardinal buoy - Yellow stripe sandwiched between two black stripes and/or two triangles, apex on one pointing up and apex of other pointing down indicates safe water is to the east) - Q6_VQ6 (Cardinal buoy - Yellow stripe is atop a black stripe and/or two triangles, apex of both pointing down indicates safe water is to the south) - Q9_VQ9 (Cardinal buoy - Black stripe sandwiched between two yellow stripes and/or two triangles apex of both point toward each other indicates safe water is to the west) - Q_VQ (Cardinal buoy - Black stripe atop a yellow stripe and/or two triangles apex of both point up indicates safe water is to the north) - RED (Lateral buoy – Marks port side of the channel when returning from the sea) - RED_GREEN_RFL (Lateral buoy - Preferred channel to starboard when a green horizontal strips is sandwiched between two - RED_WHITE (Safe water buoy - Alternating red and white vertical stripes indicates safe water) - WHITE (No color is stated on the chart) - YELLOW (Special buoy – Area used by navies, pipelines, surfing) - OTHER (Other)</p>
38	Implement AirMAT Model changes to core AIXM: MarkingBuoy	AIXM AirportHeliport / Seaplanes	Diagram change; Property change; Documentation change; Relationship change; UML change	<p>Added new Class: MarkingBuoy Stereotype: Feature Definition: - Floating marker which is moored to the bottom at a specific known location, which is used as an aid to navigation or for other special purpose Attributes: - designator of datatype AlphanumericType (Def: Official number of the buoy) - type of datatype CodeBuoyType (Def: The type of the buoy) - colour of datatype CodeColourType (Def: Color of the buoy) Associations: - isLocatedAt with [0..1] ElevatedPoint - [0..*] hasBuoy with [1..*] SeaplaneLandingArea</p>

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39	Implement AirMAT Model changes to core AIXM: SeaplaneLandingArea	AIXM AirportHeliport / Seaplanes	Diagram change; Property change; Documentation change; Relationship change; UML change	Added new Class: SeaplaneLandingArea Stereotype: Feature Definition: - Area specifically designated for take-offs and landings of seaplanes Attributes: - none Associations: - hasExtent with [0..1] ElevatedSurface - [1..*] hasBuoy with [0..*] MarkingBuoy - [1..*] hasDockSite with [0..*] FloatingDockSite - [0..*] affects with AirportHeliportUsage - [1] hasRampSite with [0..*] SeaplaneRampSite (This is not in AirMAT but added to complete the relationship between the seaplane feature classes.)
40	Implement AirMAT Model changes to core AIXM: SeaplaneRampSite	AIXM AirportHeliport / Seaplanes	Diagram change; Property change; Documentation change; Relationship change; UML change	Added new Class: SeaplaneRampSite Stereotype: Feature Definition: - Ramps specifically designed to transit seaplanes from land to water and vice versa Attributes: - none Associations: - hasExtent with [0..1] ElevatedSurface - hasCenterline with [0..1] ElevatedCurve - [0..*] hasRampSite with [1] SeaplaneLandingArea (This is not in AirMAT but added to complete the relationship between the seaplane feature classes.)
41	Implement AirMAT Model changes to core AIXM: CodeEmissionBandType	AIXM Datatypes	Property change; Documentation change; UML change	Added new Datatype: CodeEmissionBandType Values: - U (Ultra high frequency) - H (High frequency) - M (medium frequency) - OTHER (Other)
42	Implement AirMAT Model changes to core AIXM: NDB	AIXM Nav aids Points	Property change; Documentation change; UML change	Modified Class: NDB Added Attributes: - emissionBand of datatype CodeEmissionBandType (Def: The emission band for the NDB)
43	Implement AirMAT Model changes to core AIXM: CodeAirspaceActivity	AIXM Datatypes	Property change; Documentation change; UML change	Added new Datatype: CodeAirspaceActivity Notes: - No modifications needed - DROP is same as AIR-DROP - TFC-AD is the same as AD_TFC - TFC-HELI is the same as HELI_TFC - OTHER is not needed because codeActivity is an extensible code list
44	Implement AirMAT Model changes to core AIXM: CodeAirspaceType	AIXM Datatypes	Property change; Documentation change; UML change	Modified datatype CodeAirspaceType Added values: - ATZ-P (Part of an aerodrome traffic zone) - HTZ (Helicopter traffic zone) - NAS-P (A part of a national airspace system)

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45	Implement AirMAT Model changes to core AIXM: CodeVerticalStructureType	AIXM Datatypes	Property change; Documentation change; UML change	Modified datatype: CodeVerticalStructureType Added values: - AG_EQUIP (Agricultural equipment) - URBAN (Urban area)
46	Implement AirMAT Model changes to core AIXM: ObstacleArea	AIXM Obstacle	Property change; Documentation change; UML change	Modify Class: ObstacleArea Stereotype: Feature Add Attributes: - obstructionIdSurfaceCondition of datatype CodeObstacleAssessmentSurfaceType (Def: Obstruction identification surface that obstructing area represents)
47	Implement AirMAT Model changes to core AIXM: ObstacleArea	AIXM Obstacle	Relationship change; Diagram change; UML change	Modified Class: ObstacleArea Stereotype: Feature Added Association: - hasExtent with [0..1] Surface
48	Implement AirMAT Model changes to core AIXM: VerticalStructure	AIXM Obstacle	Property change; Documentation change; UML change	Modified Class: VerticalStructure Stereotype: Feature Added Attributes: - frangible of datatype codeYesNo (Def: Boolean indicating whether the obstruction is easily broken) - length of datatype ValDistanceType (Def: Overall length of the obstruction) - width of datatype ValDistanceType (Def: Overall width of the obstruction)
49	Implement AirMAT Model changes to core AIXM: CodeApproachType	AIXM Datatypes	Property change; Documentation change; UML change	Modified datatype: CodeApproachType Added Values: - VHF (VHF Omnidirectional Radio)
50	Implement AirMAT Model changes to core AIXM: CodeObstructionIdSurfaceZoneType	AIXM Datatypes	Property change; Documentation change; UML change	Added new datatype: CodeObstructionIdSurfaceZoneType Stereotype: Enumeration Definition: - Specifies zones within obstruction identification surfaces (OIS) Values: - APPROACH (Approach) - CONICAL (Conical) - HORIZONTAL (Horizontal) - OTHER (Other) - PRIMARY (Primary) - TRANSITION (Transition)

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51	Implement AirMAT Model changes to core AIXM: ObstacleAssessmentArea	AIXM Shared: SurfaceAssessment	Property change; Documentation change; UML change	Modify Class: ObstacleAssessmentArea Add attributes: - gradientLowHigh of datatype xsd:decimal (Def: Low to high gradient within the airspace) - surfaceZone of datatype CodeObstructionIdSurfaceZoneType (Def: Specifies zones within obstruction identification surfaces) - safetyRegulation of datatype AlphanumericType (Def: Identifier for the safety regulations in effect within the zone) - zoneUse of datatype AlphanumericType (Def: Description of the use of the zone)
52	Implement AirMAT Model changes to core AIXM: CodeSegmentPathType	AIXM Datatypes	Property change; Documentation change; UML change	Modified datatype: CodeSegmentPathType Added Values: - GDS (GDS) - GRC (Great circle) - RHL (Rhumb line)
53	Implement AirMAT Model changes to core AIXM: CodeStatusSurfaceType	AIXM Datatypes	Property change; Documentation change; UML change	Modified datatype: CodeStatusSurfaceType Added Values: - ABANDONED (Abandoned) - PARKED (Parked or disabled aircraft)
54	Implement AirMAT Model changes to core AIXM: CodeVerticalStructureType	AIXM Datatypes	Property change; Documentation change; UML change	Modify Datatype: CodeVerticalStructureType Add Values: - GATE (Gate)
55	Implement AirMAT Model changes to core AIXM: CodeRoadType	AIXM Datatypes	Property change; Documentation change; UML change	Added new datatype: CodeRoadType Stereotype: enumeration - SERVICE (Service Road) - PUBLIC (Public Road) - OTHER (Other)
56	Implement AirMAT Model changes to core AIXM: Road	AIXM AirportHeliport / Apron	Property change; UML change	Modified Class: ServiceRoad Renamed Class: Road
57	Implement AirMAT Model changes to core AIXM: Road	AIXM AirportHeliport / Apron	Property change; Documentation change; UML change	Modified Class: Road Added Attributes: - type of datatype CodeRoadType (Def: Type of road)
58	Implement AirMAT Model changes to core AIXM: Road	AIXM AirportHeliport / Apron	Relationship change; Diagram change; UML change	Modified Class: Road Added Association: - composedOf with [0..*] RoadSegment

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59	Implement AirMAT Model changes to core AIXM: CodeColourType	AIXM Datatypes	Property change; Documentation change; UML change	Modified datatype: CodeColourType Added Values: - BLACK (Black) - BROWN (Brown) - GREY (Grey) - LIGHT_GREY (Light Grey) - MAGENTA (Magenta) - PINK (Pink) - TBD (To be determined) - VIOLET (Violet)
60	Implement AirMAT Model changes to core AIXM: CodeVerticalStructureType	AIXM Datatypes	Property change; Documentation change; UML change	Modified datatype: CodeVerticalStructureType Added Values: - COMPRESSED_AIR_SYSTEM (The components of a compressed air system) - CONTROL_MONITORING_SYSTEM (The components of an electronic monitoring and control system (EMCS) including cables, devices, and so on) - ELECTRICAL_EXIT_LIGHT (The components of an electrical exterior lighting system including cables, switches, devices, transformers, and so on. Does not include field, navaid, or approach lighting) - ELECTRICAL_SYSTEM (The components of an electrical distribution system including cables, switches, devices, motors, transformers, and so on) - FUEL_SYSTEM (The components of a fuel distribution system consisting of pipes, fittings, fixtures, pumps, tanks, and so on) - GENERAL_UTILITY (The components of utility system which are universal in use and purpose and do not belong to a specific utility) - HEAT_COOL_SYSTEM (The components of a heating and cooling distribution system consisting of pipes, fittings, fixtures, and so on) - INDUSTRIAL_SYSTEM (The components of an industrial waste collection system including pipes, fittings, fixtures, tanks, lagoons, and so on) - NATURAL_GAS_SYSTEM (The components of a natural gas distribution system consisting of pipes, fittings, fixtures, and so on) - SALTWATER_SYSTEM (The components of a salt water collection system) - STORM_SYSTEM (The components of a storm drainage collection system including pipes, fittings, fixtures, and so on) - WASTEWATER_SYSTEM (The components of a wastewater collection system including pipes, fittings, fixtures, treatment plants, and so on) - WATER_SYSTEM (The components of a water system including pipes, fittings, fixtures, treatment plants, and so on)
61	Implement AirMAT Model changes to core AIXM: CodeGroundLightingType	AIXM Datatypes	Property change; Documentation change; UML change	Modified datatype: CodeGroundLightingType Added values: - SIGNAL (Signal)

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62	Schema compatibility with GML 3.2	AIXM Abstract Features	XSD Change	<p>1) In all XSD files generated by the scripts (such as AIXM-Features), except for AIXM-DataTypes.xsd, the existing</p> <pre>&lt;annotation&gt; &lt;appinfo&gt; &lt;gml:gmlProfileSchema&gt;http://www.faa.org/gml/3.2.1/gmlprofiles/gml4aixm.xsd&lt;/gml:gmlProfileSchema&gt; &lt;/appinfo&gt; &lt;/annotation&gt;</pre> <p>is replaced by:</p> <pre>&lt;annotation&gt; &lt;appinfo&gt; &lt;gml:gmlProfileSchema&gt;http://www.aixm.aero/schema/5.0/profile/gml4aixm.xsd&lt;/gml:gmlProfileSchema&gt; &lt;/appinfo&gt; &lt;/annotation&gt;</pre> <p>2) Change the GML namespace URL from "http://www.opengis.net/gml" to http://www.opengis.net/gml/3.2</p>
63	Clean up package hierarchy	Routes, Procedures, Shared and Airport	UML change	Created subpackages in Routes, Procedures, Shared and Airport to avoid having classes and subpackages at the same level in a package.