

# **ATM Information Reference Model**

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#### **Abstract**

This is the release note for the ATM Information Reference Model (AIRM).

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Rational for rejection	
None.	

# **Document History**

Edition	Date	Status	Author	Justification
02.03.01	30/05/2013	Final		New Template
03.00.00	30/09/2013	Final		Updated for AIRM v3.0.0
03.01.00	30/03/2014	Final		Updated for AIRM v3.1.0
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03.02.00	30/09/2104	Final		Updated for AIRM v3.2.0
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03.03.00	30/03/2015	Final		Updated for AIRM v3.3.0
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04.00.00	30/09/2015	Final		Updated for AIRM v4.0.0
04.00.01	14/12/2015	Final		Updated for AIRM v4.0.1

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04.01.00   30/03/2016   Final	Updated for AIRM v4.1.0
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#### 1 AIRM Contents

The ATM Information Reference Model (AIRM) deliverable contains the following parts:

#### 1.1 AIRM Primer



#### 1.2 AIRM Foundation Rulebook

This is now available as a separate deliverable. See 8.1.3.D48\_AIRM\_Foundation\_Rulebook V4.1.0.doc.

#### 1.3 AIRM UML Models



### 1.4 AIRM Glossary



#### **1.5 Note**

You will need Sparx Enterprise Architect installed in order to open the AIRM UML Models. You can download a free EA Viewer at the EA Lite page.

# 2 AIRM Version History

Version	Changes			
4.1.0	CR	Description		
		Add meteorological features missing for the ICAO Annex 3 "Upper-air		
	CR00569	gridded forecast"		
	CR00591	Traffic Counts for AIRM CLDM		
	CR00592	(STAM) Measure Collaborative Decision Making		
	CR00593	STAM Measure (CLDM)		
	CR00594	ATFM Rerouting (CLDM)		
	CR00595	Clarify proposal for future namespace management		
	CR00596	UDPP enhanced slot-swapping (IM)		
	CR00597	Alignment of AIRM Foundation with the SESAR ConOps Abbreviations		
	CR00598	Add properties to allow the tracing of message level validity information		
	CR00599	Correction of Rule 105 to cover codelists (again)		
	CR00600	Correct modelling of runway operational constraints		
	CR00601	Finalize Meteorology as eneded by EXE VP-669 and SVA003-010		
		Minor updates to some CLDM airspace types to reflect the recent		
	CR00602	evolution of the NM B2B Model		
	1	ng components were updated:		
	AIRM Consolidated Logical Data Model			
	<ul> <li>AIF</li> </ul>	AIRM Information Model		
	<ul> <li>AIF</li> </ul>	AIRM Foundation Rulebook		
	AIRM Foundation Library			

Version	Changes	
4.0.1	CR	Description
	CR00170	Surface Planning and Routing
		Met - Consistency issues between codelist and ICAO terminology in
	CR00258	Foundation Library
	CR00514	Additions from latest version of EUROCAE ED-99, AMDBs
		Promoting UnpublishedRoutePoint from Airspace Infrastructure to
	CR00523	Flight/Trajectory
	CR00524	Add new terms and definitions from European Regulations
	CR00525	Refresh the AIRM Primer to bring up to date
	CR00526	Replace the use of composition with aggregation of CLDM Objects
	CR00527	Rule for formatting AIRM::Constraints
	CR00528	Ensuring AIRM Completeness against ICAO Doc 4444 Item 7
	CR00529	Ensuring AIRM Completeness against ICAO Doc 4444 Item 8
	CR00531	Revisit Entity FlightAirspace
	CR00532	Deprecate OceanicTrack
	CR00533	Deprecate AOFlightProfile and ATFMFlightProfile in the CLDM
	CR00534	Deprecate UncertaintyQualifications in the CLDM
	CR00535	Deprecate values CodeTrajectoryPointType.JOINING / LEAVING
	CR00537	AircraftMovement and GroundMovement are synonyms
	CR00538	Deprecate < <imentity>&gt; Movement</imentity>
		CLDM: Consolidate "Runway Mix Operations" modelling with
	CR00539	representation of arrival and departure sequences



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CD0054	Complete Modeling of OLDI - Basic Procedure - Coordination in IM
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CR0055	7 Improve AIRM modelling of DirectFlight(Segment)
	Improving the AIRM IM modelling of Departure Runway occupancy
CR0055	8 phase
CR0055	9 Add Sector Configuration to CLDM
CR0056	D Ensuring full coverage of the SESAR Extended Flight Plan content
CR0056	1 Improvement Network Management IM ENtities
CR0056	2 Add model content required for new version of AMAN Service
CR0056	4 Add status model for TTOT
CR0056	Filling the gaps in CLDM for tracing from the ASI service payload
CR0056	
CR0056	Remove some items from the reference list in the Foundation Rulebook
	Simplification of the AIRM Internal Semantic Trace from the AIRM
	Consolidated Logical Data Model (CLDM) to the AIRM Information
CR0056	8 Model(IM)
CR0057	Supporting What-If Flight Information in the CLDM
CR0057	Refactoring of StateVector and TrajectoryPoint
CR0057	2 Promote ICAO recognised aerodrome services from the CLDM to IM
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I CR0058	8 I Modelling of Alert in C.L.D.M
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CR0058 CR0058 CR0059	9 Improve A-CDM Alert (IM + CLDM)



The following components were updated:

- AIRM Consolidated Logical Data Model
- **AIRM Information Model**
- AIRM Foundation Rulebook
- **AIRM Primer**
- AIRM Foundation Library

Version	Changes	
	CR	Description
	CR00446	CodeAircraftAvionicsEquipmentType should be split
	CR00454	Findings coming from the ED-133 AIRM Compliance
	CR00470	Additions and fixings from Doc 4444 and OAT FPL fields emerging from SVA004
	CR00495	Airspace Management in CLDM
	CR00496	Additions to ConvectionCell entity in CLDM
	CR00497	Promote remaining Meteorology messages from CLDM to IM and deprecate the rest
	CR00498	New stereotypes for Units of Measurement and Measures
		IM Air Traffic Operations subject field: close gaps in coverage of PANS-
	CR00499	ATM and Annexes
	CR00500	AIRM Compliance Framework
	CR00501	Promote remaining information products from CLDM to IM and deprecate the rest
	CR00502	Achieving greater harmonisation of ranges of values in the CLDM
	CR00503	Improving the AIRM IM modelling of SectorConfiguration
	CR00504	Upgrade of the AIRM IM Geometry and Point modelling
	CR00505	Ensure that OLDI "Basic" coordination is covered by the CLDM
4.0.0	CR00506	Improving the AIRM IM with regards to Military Operations
	CR00507	Improving the AIRM CLDM with regards to Military Operations
	CR00508	Demand and Capacity Balancing (IM)
	CR00509	CLDM Demand and Capacity Balancing (DCB)
	CR00510	Final upgrade of the AIRM CLDM Point modelling
	CR00512	Build taxonomy of weather phenomena in the IM
	CR00513	Differences between TakeOff/Landing phases and events
	CR00515	AIRM IM Completeness against ICAO Doc 9965 FF-ICE
	CR00516	AIRM IM Completeness for Environmental Impact Assessments
	CR00517	ATC Instructions and Trajectory constraints in the CLDM
	CR00518	ATC Instructions and Trajectory constraints in the IM
		AIRM IM alignment with current SESAR-FAA work on the ICAO
	CR00519	provisions for FF-ICE increment 1
	CR00520	Bringing together the SESAR SBT and the FF-ICE Information concept
	• AIF	ng components were updated: RM Consolidated Logical Data Model RM Information Model
	• AIF	RM Foundation Rulebook

Version Changes





	CR	Description
	CR00147	Harmonise Codelists
	CR00423	UML correctness of AIRM
	CR00487	Structure Codelist portfolio and document implicit status models.
	CR00488	CLDM Point Model Harmonisation
	CR00489	Improving the AIRM IM Airspace Infrastructure SubjectField
	CR00490	Improving the AIRM taxonomy of flights
3.3.1	CR00491	IM Airspace Management with (advanced) Flexible Use of Airspace
	CR00492	Promote ATC instructions to < <immessage>&gt;</immessage>
		Promote remaining Surveillance messages from CLDM to IM and
	CR00493	deprecate the rest
	• AIR	ng components were updated: RM Consolidated Logical Data Model RM Information Model

Version	Changes	
	CR	Description
	CR00348	Define the entities/objects which have no definitions
	CR00436	CLDM - BaseInfrastructure - NavigationInfrastructure
	CR00447	A-CDM improvements for IM
	CR00450	DateTimeWithStatus subtype
	CR00451	Add the new abbreviations which have been collected
	CR00455	Add new attributes to cover obstacle geometry
	CR00456	Add new vertical structure type to cover the obstacle requirements
	CR00457	Change values of CodeAircraftWingspanType
	CR00458	Add TAR in the enumeration of the CodeRadarServiceType
	CR00459	Redundant codelists to remove from model
	CR00461	Remodel the Use of ValFLType
	CR00462	Convert the "Numeric Value Types" to Measures
	CR00463	Add newly identified ICAO definition to AIRM Foundation Library
		Deprecate < <cldmobject>&gt; LandingTakeOffAreaCollection in the</cldmobject>
	CR00464	CLDM
3.3.0	CR00465	Deprecate SurveySet from the AIRM CLDM
0.0.0	CR00466	Move Notes and Timesheet to the Abstract
	CR00467	Incorporate Information Element agreed by B4.2
	CR00468	Remodel SpecialDate in the AIRM CLDM
	CR00469	Make Identifier Inherit from ISO CharacterString
	CR00471	Model NOTAM in the AIRM Information Model based on current CLDM
	CR00472	Integrate WMO METCE Model in AIRM Foundation
	CR00473	Simplify the structure of the Aircraft Subject Field
	CR00475	Simplify the structure of the BaseInfrastructure subject field
	CR00476	Simplify the structure of the AirspaceInfrastructure subject field
		Deprecate MeteoConditions from Aircraft Subject field - refer to
	CR00477	Meteorology/AviationCondition instead.
		Improved package structure for SubjectFields AirTrafficOperations and
	CR00478	Flight
	CR00479	Introducing representations of Flight and Trajectory in the IM
	CR00480	General clean-up of Trajectory Management & Flight Subject Fields
	CR00481	Ensuring AIRM Completeness against ICAO Doc 4444 Item 15
	CR00482	Ensuring AIRM Completeness against OFA 3.1.1 TMF technical Note



0000400	Ensuring AIRM Completeness based on AIRM Compliance Report of
CR00483	FIXM v3.0
CR00484	Tidy up StateVector, AircraftState, AircraftDerivedData
CR00485	Updates to the MET model to meet SVA010 requirements
CR00486	DPI and FUM IMMessages
• AIF	ng components were updated: RM Consolidated Logical Data Model RM Information Model

Version	Changes	
	CR	Description
	00408	Wind gust and wind projections over runway
	00415	Gaps in to data held in Flight Plan / Extended Flight Plan
	n/a	Minor tidy up changes applied such as corrected footers in documents.
3.2.1	• AIF	ng components were updated: RM Consolidated Logical Data Model RM Foundation Rulebook RM Primer

Version	Changes	
	CR	Description
	00307	Miscellaneous minor "tidy up" modifications to Governance Handbook.
	00367	Update membership of AIRM CCB to reflect the new project structures
		within SESAR and to add more SYS/OP members
	00368	Allow external experts to be invited to AIRM CCB meetings
	00376	New attributes for the ExpandedRoutePoint
	00379	IM - AerodromeInfrastructure - ICAO Annex 14 accommodation
	00393	Quality Criteria for AIRM Change Requests
	00394	Add a representative of Airservices Australia to the AIRM CCB
	00395	Allow CRs to go directly from status CCBS to Delegate.
	00396	Include semantic trace between IM and CLDM in the Rulebook
	00397	AMAN Strategy
	00398	AMAN Horizons in CLDM
3.2.0	00399	AMAN Advisories model refinement
0.2.0	00401	Landing Rate
	00402	New codelist values to cover Airport Mapping Databases (AMDB) and services
	00403	on attribute to the AeronauticalInformationEvent class
	00404	Missing series attribute in the NOTAM class
	00405	Missing attribute regarding the SNOWTAM message
	00407	Some codelists are no longer used and can be deprecated
	00409	Add the three compliance constructs to the AIRM Abstract Model
	00410	AMAN Cumulative Fixes in Information Model
	00412	The code ELECTRIC from ICAO DOC 8643 is missing in the
		CodeAircraftEngineType
	00413	ADD the notion of Estimated Time Over
	00414	Add a MIL representative to the AIRM CCB





00416	Represent the provisions of ICAO Annex 11 "Air Traffic Services" in the Information Model
00417	Update list of items affected by Governance with the Governance
	Handbook
00418	Add a duty to SYS projects to take account of standardised Exchange
	Models
00419	Clarify that it is the CCB Chairman who calls for a vote
00420	Add the procedure used during asynchronous meetings to the AIRM
	Governance Handbook
00421	AIRM Governance Handbook - Text Edits to ensure consistency
00422	Formalise the data types for Date, Time and Duration
00424	Final rules and recommendations for Rulebook
00425	IM - Base Infrastructure - Navigation Infrastructure
00426	IM - Base Infrastructure - Surveillance Infrastructure
00427	CLDM improvements to fulfill FT10 needs
00428	IM - Base Infrastructure - Communication Infrastructure
00429	Clean up CLDM Package Common::Time
00430	Improve usage of Time constructs
00431	IM - Stakeholder and Activities
00432	Improving the AIRM "Point" Model
00433	Enriching the content of Subject Field Airspace Infrastructure
00434	Improving IM Aircraft subject field - AircraftConfiguration
00435	Achieving consistent modelling of identifiers in the AIRM
00437	Clarify AIRM stereotype of association class in Ruelbook
The following	ng components were updated:
	RM Consolidated Logical Data Model
• AIF	RM Foundation Rulebook
AIF	RM Information Model
AIF	RM Constraints Model

Version	Changes	
	CR	Description
		Assure that SESAR is enough granular source reference by a CCB
	00341	meeting
	00372	Constraints
	00373	Use colons instead of slashes within AIRM Uniform resources Names (URNs)
	00375	Runway mix sequence data
	00377	Upgrade Arrival Management related terminology
3.1.1	00380	Add Metadata to the AIRM Abstract Model
	00381	Add definitions from ICAO ADREP to terminology area of AIRM
		Foundation Library
	00385	Simplify URN building rules
	00388	Refactoring Emergency information in the CLDM
	00389	Addition of an attribute and modification of an existing definition
	00390	Improving the AIRM IM Trajectory package
	00391	Improving the AIRM CLDM Trajectory package
	00392	Revised Event Pattern



The following components were updated:

- AIRM Consolidated Logical Data Model
- AIRM Foundation Rulebook
- AIRM Information Model
- AIRM Primer
- AIRM Constraints Model

Version	Changes	
	CR	Description
	00131	Quality of Definitions
	00229	Wording [Adapted from] [source], enforced by AIRM Rulebook Rule 60, may be misleading
	00239	The values available for the "Definition:Status" tagged value should be agreed
	00250	The ICAO Terms should be given a stereotype
	00253	Make an association between TemporalEnabledEntity and the Note object
	00255	Ensure that reference from one entity to another are modelled as roles on UML associations
	00271	Clarify Rule 23 to make it more explicit that at least one role name is required
	00274	Adress Airport CDM related IM gaps
	00275	Adress Airport CDM related CLDM gaps identified by FT-10
	00276	Standardise description of semantic change to external definitions
	00277	Reorganise "Stakeholders and Activities" into a new primary subject field
	00279	Use of colours for AIRM Subject Fields
	00280	Add AIRM List of Abbreviations to the AIRM Foundation Library
240	00281	Abbreviations used in the definitions of classes should be added to the List of Abbreviations
3.1.0	00282	Deprecated numeric data types that add no new attributes
	00334	Include AIRM meta-model documentation in the Foundation Rulebook
	00335	Rename "Glidepath", "Elevation" and "Azimuth" to make them specific to navigation aids
	00336	Add "AIM Products" to the AIRM Information Model
	00337	Correct combinations of "Entity/Object" status and "Defintion:Status"
	00338	Add geometries to aerodrome surface route network nodes and edges
	00339	Add a GeoTemporalEnabledEntity
	00344	Correct the term/definition of StartUp
	00350	AIRM Foundation Rulebook should be tidied up to ensure consistency
	00352	Add an abstract "CLDMObject" into the AIRM Abstract model
	00353	Add ICAO Doc 9965 definitions to AIRM Foundation Library
	00354	B4.2 release 8 new information elements
	00355	Decide if in AIRM Abbreviations list the Abbreviations of standards shall be included
	00356	Take into account the definitions from the Free Route Task Force
	00357	Update of the Flight Identifier packages (IMT#6 Flight Theme)
	00358	Refactor the CLDM modelling of the Flight Plan
	00359	Put "Active Runway Configuration" concept into IM and CLDM
	00360	Syntax on how to name standards
	00361	Additional recommendations on AIRM Compliance based upon PMCG work



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Version	Changes	
	CR	Description
	00142	to get a standarised SESAR definition related to routing coming from WP8, the one that will be used by SWIM
	00216	Revision of the structure of the MET model in AIRM to accommodate METCE & IWXXM
	00251	Add the AIRM Technical Standards Profile to the AIRM Foundation Library UML
	00252	Integrate necessary pieces of FIXM core information into the AIRM
	00254	Deprecate all entities in the Environment Subject Field in the AIRM IM
000	00256	Correct obvious spelling mistakes in the definitions used in the AIRM IM and CLDM.
3.0.0	00257	The aircraft entity does not say which category of aircraft it is
	00259	As part of global harmonisation, add units of measurement used in NAS-EA OV7
	00260	Revised IM model for the Meteorology Subject field
	00262	Refactoring of AMAN and DMAN related information in CLDM
	00264	ENV IM Model - Assessments
	00265	New structure for the AIRM Flight Packages
	00268	IMT#5 Flight theme conclusions - IM and CLDM improvements
	00269	IMT Flight theme - Flight Identifier taxonomy
	• AIR	ng components were updated: IM Consolidated Logical Data Model IM Foundation Rulebook IM Information Model

Version	Changes	
	CR	Description
	00215	FT6 - Aerodrome Map Information REQ
	00217	Add an FAA member to the AIRM CCB
	00232	Deprecate the "intentional Change Request" option
	00238	Candidate for a rule in the rulebook
2.3.1	00241	Implement Information Model for Step 1 Arrival and Departure Management concepts
	00242	Introduce CTA and TTA definitions into the AIRM Information Model
	00243	Add a stereotype to the AIRM Metamodel to identify Message-Type constructs
	00244	Deprecate AIRM CLDM Airport Domain content from ANXM import not



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Version	Changes			
		backed by SESAR requirements		
	00245	Turnaround and TITAN Related Changes		
	00246	ENV input model		
	00247	Update AIRM Foundation Rulebook with rules necessary for AIRM		
		Compliance Framework		
	00248	Initial Aircraft Subject Field re-factor		
	00249	Rule 46 should be restricted to the CLDM		
	The following	g components were updated:		
		M Consolidated Logical Data Model		
	AIRM Foundation Rulebook			
		M Information Model		
	Implemented	d Change Requests:		
		4, 00175, 00176, 00177, 00178, 00179, 00192, 00196, 00197, 00205,		
		0, 00211, 00212, 00218, 00227, 00228, 00230, 00231, 00233, 00234		
220	,			
2.3.0	The following	g components were updated:		
	AIRI	M Consolidated Logical Data Model		
		M Foundation Rulebook		
		M Information Model		
		d Change Requests:		
	00194, 0019	5, 00203, 00206		
2.2.1	The following	a components were undated:		
2.2.1	The following components were updated:  • AIRM Consolidated Logical Data Model			
	1	M Foundation Rulebook and Library		
		M Information Model		
		d Change Requests:		
		6, 00137, 00139, 00158, 00159, 00160, 00161, 00162, 00167, 00172,		
		0, 00181, 00183, 00184, 00185, 00186, 00187, 00188, 00200, 00201		
2.2.0		g components were updated:		
2.2.0		M Consolidated Logical Data Model		
	1	M Foundation Rulebook and Library		
	1	M Information Model		
		M Glossary		
		M Primer		
		d Change Requests: 3, 00154, 00155, 00156, 00169		
	00130, 0014	J, 00 134, 00 133, 00 130, 00 108		
2.1.1	The following	g components were updated:		
		M Consolidated Logical Data Model		
		M Foundation Rulebook and Library		
		M Information Model		
		d Change Requests:		
		0, 00101, 00102, 00106, 00109, 00112, 00117, 00119, 00124, 00125,		
		7, 00128, 00129, 00130, 00132, 00133, 00135, 00140, 00148, 00150,		
	00151, 0015	2		
2.1.0	The fell :	n annu an anta coma un data d		
		g components were updated:		
		M Consolidated Logical Data Model		
		M Foundation Rulebook and Library		
	ı • AIRI	M Information Model		



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Version	Changes
	AIRM Glossary     AIRM Primer
2.0.0	Implemented Change Requests: 00006, 00008, 00029, 00032, 00035, 00036, 00037, 00039, 00049, 00051, 00053, 00055, 00057, 00058, 00060, 00061, 00065, 00066, 00068, 00071, 00072, 00073, 00074, 00075, 00076, 00077, 00078, 00079, 00080, 00081, 00082, 00083, 00084, 00086, 00087, 00089, 00091, 00093
	The following components were updated:  • AIRM Consolidated Logical Data Model  • AIRM Foundation Rulebook and Library  • AIRM Information Model  • AIRM Glossary  • AIRM Primer
1.1.1	Implemented Change Requests: 00011, 00041, 00043, 00044, 00045, 00046, 00047, 00048  The following components were updated:  • AIRM Consolidated Logical Data Model  • AIRM Foundation Rulebook
1.1.0	Corrective Release. AIRM Consolidated Logical Data Model was corrected with the removal of overlaps and the completion of gaps. The AIRM Information Model was "refreshed". The AIRM Foundation Library contains a new ISO standard for Language Codes.
1.0.0	This is the "Initial Load" of AIRM

### **Deprecations**

• Bepre	cations
Version	Changes
	The following elements are marked as deprecated and have been deleted:
	From the AIRM Information Model:
	ACDMAlertInconsistencyDetection
	AerodromeConstraint
	o AircraftCriteria
	<ul> <li>AircraftOperator</li> <li>AirspaceDemandAndCapacity</li> </ul>
	<ul> <li>AirspaceDemandAndCapacity</li> <li>AirspaceFlowRouteElement</li> </ul>
	AMANTrajectory
	o Balance
	<ul> <li>CoordinationAndTransferConstraint</li> </ul>
	o Crossing
	<ul> <li>DirectFlight</li> </ul>
	o DirectTo
	o FlowCondition
	o FlowCriteria
	<ul><li>FlowRestriction</li><li>FlowRouting</li></ul>
	<ul> <li>FlowRouting</li> <li>GroundMovement</li> </ul>
	HeadingConstraint
	HoldingConstraint
	<ul> <li>IntendedConstraintUpdate</li> </ul>
	o Load
	<ul> <li>Movement</li> </ul>
	o OptimumAirspace
4.1.0	PerformanceStatistics
	o PlanningScenario
	o PlanningValue o RouteCriteria
	RouteCriteria     RunwayDirectionClassOccupancy
	ScenarioAircraftClass
	StandSystemCapacityScenario
	StayConstraint
	<ul> <li>StrategicATFMMeasure</li> </ul>
	<ul> <li>StrategicConstraint</li> </ul>
	TacticalATFMMeasure
	o TacticalConstraint
	TaxiwaySystemCapacityScenario     TheoreticalCapacityCapa
	<ul> <li>TheoreticalCapacityCase</li> <li>UsageStatistics</li> </ul>
	VerticalRateConstraint
	VolumeCriteria
	From the AIRM Consolidated Logical Data Model:
	<ul> <li>AbstractReport</li> </ul>
	AerodromeInadequacy     AerodromeIV/arring
	AerodromeWarning     AeronauticalMeteorologicalStation
	<ul> <li>AeronauticalMeteorologicalStation</li> <li>AfterPassingClimbTo</li> </ul>
	<ul> <li>○ AfterPassingClimb10</li> <li>○ AfterPassingDescendTo</li> </ul>
	Aiten assing bescend to     Aiming Point
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Version	Changes	
	0	AircraftCriteria
	_	
	0	AircraftReport
	0	AircraftWeight
	0	AirportArrivalSlot
	0	AirportDepartureSlot
	0	AirspaceBasic
	0	AirspaceBorderCrossing
	0	AirspaceDemandAndCapacity
	0	AirspaceFlowRouteElement
	0	AirspaceInUse
	0	AltitudeRange
	0	AOFlightProfile
		ApronInadequacy
		AreaReport
		ArrivalSlotAssignmentHistory
		ATCFrequencyInadequacy
		ATCInstruction
	_	AtCleared
		AtClimbTo
		AtDescendTo
		ATFMFlightProfile
		AtProceedDirectTo
	0	
	0	BaseApplicability BirdConcentrationObservation
	0	
	0	BrakingActionObservation
	0	CapacityBaseline
	0	CapacityBaselineValue
	0	CapacityBody
	0	CapacityPoint
	0	CheckpointInertialNavigationSystem
	0	CheckpointVOR
	0	CivilMilitaryCrossingData
	0	ClearedTo
	0	ClimbAt
	0	ClimbTo
	0	ClimbToReachBy
	0	CodeAirborneStatusType
	0	CodeAirspacePointRoleType
	0	CodeAlSPublicationType
	0	CodeApplicationRuleType
	0	CodeApproachCategoryType
	0	CodeApproachGuidanceType
	0	CodeBaselineType
	0	CodeBirdConcentrationLocationType
	0	CodeCapacityBodyCategoryType
	0	CodeConstraintFulfilmentStatusType
	0	CodeConstraintPolicyType
	0	CodeCourseDeviationType
	0	CodeCPDLCStatusType
	0	CodeCrewQualificationType
	0	CodeDemandCapacityBalanceType
	0	CodeDepartureOrArrivalType
		CodeEventEncodingType
	0	CodeEveritEncoding rype CodeFlightManoeuvringStatusType
	0	CodeFlightModeSetType
	0	
founding members	0	CodeFlightPlanProcessingType



Version (	Changes	
	-	CodeFlightTrendType
	0	CodeFlowConditionOperationType
	0	CodeFlowElementType
	0	**
	0	CodeFlowRestrictionType
	0	CodeHoldingType
	0	CodeImprovementRouteStateType
	0	CodelssueType
	0	CodeLongitudinalModeType
	0	CodeMeteoConditionsType
	0	CodeModeSFlightStatusType
	0	CodeMOPSVersionType
		CodeNOTAMTranslationType
	0	CodeNOTAMType
	0	CodeObsReportForecastType
	0	CodeOperandCodeType
	0	CodeOperationalApplicationStatusType
	0	CodeOperationalPointUsage
	0	CodeOperationalType
	0	CodeOperatorCodeType
	0	CodePassengerMovementType
	0	CodePerceivedDecelerationRateType
	0	CodePointType
	0	CodePrimaryRadarType
	0	CodePriorityLevelType
	0	CodeProbabilityDistributionType
	0	CodeRegulationLocationType
	0	CodeRegulationStatusType
	0	CodeReroutableStatusType
	0	CodeRNPCodeType
	0	CodeRouteTrafficType
	0	CodeRunwayDirectionInterdependencyType
	0	CodeRVROutOfRangeType
	0	CodeRVSMType
	0	CodeSequenceEmergencyType
	0	CodeServiceGroundControlType
	0	CodeSideType
	0	CodeSlotStateType
	0	CodeSpecialDateType
	0	CodeSpeedConstraintType
	0	CodeSurfaceType
	0	CodeSuspensionStateType
	0	CodeTaxiNodeType
	0	CodeTaxiTimeStatusType
	0	CodeTerrainElevationReferenceType
	0	CodeTheoreticalRunwayCapacityType
	0	CodeToleranceClassType
	0	CodeTrafficFlowVolumeType
	0	CodeTrafficVolumeCategoryType
	0	CodeTransferHeadingType
	0	CodeTransversalModeType
	0	CodeTurnIndicatorType
	0	CodeValidationResultType
	0	CodeVerticalModeType
	0	ConditionCombination
	0	ContinuePresentHeading
	0	CORAPreference
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Version Ch	anges	
	0	CrossAt
	0	CrossAtOrAbove
		CrossAtOrAfter
		0 40 5 (
	0	CrossAtOrBelow
	0	
	0	
		CrossingTrajectory
		CrossingTrajectory
	0	
		DataLinkAuthority
		DataSourceIdentifier
		DeicingCommencement
		DeicingEnd
		Demand
	0	DepartureSlotAssignmentHistory
	0	7
	0	DependentApplicabilityClassification
	0	
		DescendTo
		DescendToReachBy
	0	DirectFlight
	0	DirectFlightClass
	0	DirectFlightSegment
	0	DirectMatter
	0	DirectSegmentFlowRoutingElement
	0	DirectTo
	0	EntryExitUsage
	0	Equipment833Restriction
	0	ExclusionFromRegulations
	0	FieldConditionInadequacyAtDestination
	0	FinalApproach
	0	FlightAirspace
	0	FlightFormationArrival
	0	FlightFormationDeparture
	0	FlightMode
	0	FlowCondition
	0	FlowConditionElement
	0	FlowConditionExpression
	0	FlowCriteria
	0	FlowRouting
	0	FlowRoutingElement
	0	FlyHeading
	0	FlyTrack
	0	FormationCharacteristics
	0	GaseousEmission
	0	GateStatistics
	0	GlobalNavigationSatelliteSystem
	0	0:10.11
	0	GroupOfStands
	0	Habitat
	0	HeadingConstraint
	0	Hold
	0	HoldingBay
	0	HoldingConstraint
	0	HoldingExitTimeInputData
	0	HoldingPatternDistance
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Version	Changes	
		HoldingPatternDuration
	0	IATACoordination
	0	
	0	IncreaseSpeedTo
	0	IndirectMatter
	0	IntendedConstraintUpdate
	0	InterDepartureTime
	0	LandUse
	0	LandUsePlanning
	0	LocalReport
	0	LowVisibilityOperation
	0	Maintain
	0	ManoeuvreData
	0	ManoeuvringArealnadequacy
	0	MotionVector
	0	MountainObscuration
	0	MountainWave
	0	MovementPreference
	0	NationalMilitaryActivity
	0	NavaidInadequacy
	0	NavigationSystemCheckpoint
	0	Negotiating4DTrajectory
		NoSpeedRestriction
	0	ObstacleInadequacy
	0	OceanicTrack
	0	OffsetOfRoute
	0	
	0	OperatingConstraint
	0	OperationalIntent
	0	OperationalPoint
	0	OptimumAirspace
	0	ParkingPosition
	0	ParticulateMatter
	0	PermanentCapacity
	0	PilotObservation
	0	PilotRequest
	0	PlanningScenario
	0	PlanningValue
	0	Population
	0	Preference
	0	PreferencesInformation
	0	PrimarySurveillanceRadar
	0	ProcedureTransitionLeg
	0	ProceedDirectTo
	0	RadioactiveCloud
	0	ReachBy
	0	ReadyForDeicing
	0	ReadyStatus
	0	ReduceSpeedTo
	0	ReduceToMinimumApproachSpeed
	0	RegulationCause
	0	RejoinRouteBy
	0	ReportProcess
	0	RequestedFlightLevel
	0	RequestedSpeed
	0	ReroutingIndicator
	0	ResidentialChange
	0	ResponseScheme
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Version	Changes	
	0	Responsibility
	0	
	0	RestrictionApplicability
	0	ResumeNormalSpeed
	0	Role
	0	RouteCriteria
	0	RoutePortionFlowRoutingElement
	0	RunwayBrakingActionObservation
	0	RunwayDeclaredDistanceValue
	0	RunwayDirectionInterdependency
	0	RunwayInUse
	0	RunwayOccupancyTime
	0	RunwaySectionBrakingActionObservation
	0	RunwaySequence
	0	RunwaySystemCapacityScenario
	0	RVSMRestriction
	0	ScenarioAircraftClass
	0	ShortTermATFCMMeasure
		SpecialRadioNavaid
		SpeedRange
	0	StandardLevel
	0	StandGroupUsage
	0	StandInterdependency
	0	StandStatistics
	0	StandSystemCapacityScenario
	0	StartUpApprovalRequest
	0	StartUpGiven
	0	Stay
	0	StayConstraint
	0	StochasticY
	_	StrategicConstraint
		SurfaceForecastReport
		SurfaceReport
		System
		TACTComment
		TacticalConstraint
	0	TACTReason
	0	TaxilineNode
	0	TaxiNodeResult
	0	TaxiRouteAutomatic
	0	TaxiRouteAutomatic
	0	
	0	TaxiRouteManual
	0	TaxiRouteProcedure
	0	TaxiRouteResult
	0	TaxiRouteSemiAutomatic
	0	TaxiSegmentResult
	0	TaxiwayBrakingActionObservation
	0	TaxiwaySystemCapacityScenario
	0	TemporaryCapacity
	0	TerminalProcedureFlowRoutingElement
	0	TerrainPoint
	0	TerrainSet
	0	TheoreticalCapacity
	0	TheoreticalCapacityCase
	0	TimeRangeConstraint
	0	<u>TropicalCycloneAdvisory</u>
	0	Turn
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Version	Changes
	○ TurnHeading
	UncertaintyQualifications
	UnpublishedRoutePoint
	<ul> <li>ValDistanceSignedType</li> </ul>
	<ul> <li>ValEmissionIndexType</li> </ul>
	<ul> <li>ValSurfaceType</li> </ul>
	<ul> <li>ValTerminalTheoreticalCapacityType</li> </ul>
	<ul> <li>VerticalRateConstraint</li> </ul>
	<ul> <li>VerticalStructureLightingStatus</li> </ul>
	<ul> <li>VerticalStructurePartGeometry</li> </ul>
	<ul> <li>VisualNavigationAid</li> </ul>
	VolcanicActivityReport
	VolcanicAshAdvisory
	VolumeCriteria
	1
	WhatIfFlightRejectReason
	WhatIfFlightResponse
	WhatIfSlotList
	<ul> <li>WindShearWarning</li> </ul>
	o XFLEFLInput
	The following elements are marked as deprecated and have been deleted:
	From the AIRM Information Model:
	<ul> <li>OverInitialApproachFix</li> </ul>
	OverInitialMeteringPoint
	OverMeteringPoint
	AircraftState
	○ FlowMeasure
	AirspaceActivation
	AirspaceReservation
	EnRouteSegmentPoint
	T : 10 10:1
	HoldingPatternDistance
	HoldingPatternDuration
	HoldingPatternLength
	<ul> <li>UnplannedHolding</li> </ul>
	○ FlowMeasure
4.0.0	<ul> <li>FlightType</li> </ul>
	From the AIRM Consolidated Logical Data Model:
	o AircraftState
	<ul> <li>CodeAerialRefuellingPointType</li> </ul>
	○ CodeFreeFlightType
	CodeMilitaryRoutePointType
	CodeProcedureFixRoleType
	AerialRefuellingPoint
1	EnRouteSegmentPoint
	1
1	o TerminalSegmentPoint
	Waypoint     And in Table Off Anna Callegation
	LandingTakeOffAreaCollection
	<ul> <li>ChangeOverPoint</li> </ul>
	<ul> <li>EmergencyPoint</li> </ul>
	<ul> <li>Package Name: SurveillanceInformationProduct</li> </ul>
	<ul> <li>ADSBAirTargetReport</li> </ul>
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Version	Changes
	ADSBSurfaceTargetReport
	ADSBTargetReport
	ADSBTargetStatus
	<ul> <li>AirborneProjectedGroundVector</li> </ul>
	<ul> <li>AircraftDerivedData</li> </ul>
	<ul> <li>AircraftOperationalStatus</li> </ul>
	o AirStateVector
	<ul> <li>CalculatedTrackBarometricAltitudeType</li> </ul>
	ModeOfMovement
	o MOPSVersion
	o PositionTimestamp
	QualityIndicator
	SelectedHeading
	StatusReportedByADSB
	0 1 0 11/1
	0 ( 0(1)/ (
	SystemTrack     Target Day and
	o TargetReport
	<ul> <li>TargetReportDescriptor</li> </ul>
	o TargetStatus
	<ul> <li>TrackDataAges</li> </ul>
	<ul> <li>TrackMode1Code</li> </ul>
	<ul> <li>TrackMode2Code</li> </ul>
	<ul> <li>TrackMode3ACode</li> </ul>
	<ul> <li>TrackMode4Code</li> </ul>
	<ul> <li>TrackMode5Code</li> </ul>
	o TrackStatus
	○ TrackUpdateAges
	TrajectoryIntentPoint
	VelocityTimestamp
	AeronauticalInformationEvent
	AlsPublication
	NOTAN
	NOTANT
	o SurveySet
	CodeRunwayPointRoleType
	AerodromeReferencePoint
	RunwayCentrelinePoint
	SurveyControlPoint
	NextReportingPosition
	o TakeOff
	o Taxiln
	o TaxiOut
	<ul> <li>AirborneSegment</li> </ul>
	<ul> <li>AirborneTrajectoryElement</li> </ul>
	<ul> <li>Desired4DTrajectory</li> </ul>
	<ul> <li>Executed4DTrajectory</li> </ul>
	<ul> <li>IntermediatePoint</li> </ul>
	SurfaceSegment
	SurfaceSegmentElement
	o TaxiData
	o TaxiData
	Taxii atii     TaxiPathElement
	0 : 10 ( 0 (
	SpecialDateReference
330	The following elements are marked as deprecated and have been deleted:
3.3.0	The following elements are marked as deprecated and have been deleted:



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Prom the AIRM Information Model:  AuthorityForAirspace CirclingArea ApronLightSystem DirectionFinder GuidanceService ILSGlidepath Localizer MLSAzimuth MLSElevation Navaid SpecialNavigationSystem  Prom the AIRM Consolidated Logical Data Model: CodeFiledFPLProcessingCodesType CodeFightPlanMessageStatusType CodeFightPlanMessageStatusType CodeFightPlanMessageStatusType CodeFrequencyAvailabilityType CodeSelectedAlittudeSourceType CodeWatherProximityType Package Name: DateAndTimeTypes DateMonthDayType DateYearType AircraftIdentifier AircraftRegistration SignificantPointInAirspace ExtendedWeeklyDayPeriodList SpecialDayFirmeTable TimeFableList TimeTable TimeTableList TimeTableCondition The following elements were marked as deprecated and have been deleted:  Prom the AIRM Information Model: SurfaceRouting Instruction CodeSharing  From the AIRM Information Model:	Vanai-	Channe
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CodeFlightPlanStatusType CodeLocationType CodeLocationType CodeSelectedAltitudeSourceType CodeWeatherProximityType Package Name: DateAndTimeTypes DateMonthDayType DateYearType AircraftIdentifier AircraftRegistration SignificantPointInAirspace ExtendedWeeklyDayPeriodList SpecialDayPimeTable TimeFunction TimePositionList TimeTable TimeTable TimeTableList TimeValueList WeeklyPeriod WeeklyPeriodList WeeklyPeriodList WeeklyPeriodList WeeklyPeriodList WeeklyPeriodList WeeklyPeriodList WeeklyTimePattern FlightIdentifier IFPLIdentifier MeteorologicalCondition  The following elements were marked as deprecated and have been deleted:  • From the AIRM Information Model: SurfaceRouting Instruction CodeSharing  • From the AIRM Consolidated Logical Data Model:		
CodeFrequencyAvailabilityType CodeLocationType CodeSelectedAltitudeSourceType CodeWeatherProximityType Package Name: DateAndTimeTypes DateMonthDayType DateYearType AircraftIdentifier AircraftRegistration SignificantPointInAirspace ExtendedWeeklyDayPeriodList SpecialDayPeriodList SpecialDayPeriodList SpecialDayTimeTable TimeFunction TimePositionList TimeTable TimeTable TimeTable TimeTableList WeeklyPeriod WeeklyPeriod WeeklyPeriodList WeeklyPeriodList WeeklyPeriod WeeklyPeriodList WeeklyDeriodList WeeklyPeriodList		
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ExtendedWeeklyDayPeriodList     SpecialDayPeriodList     SpecialDayTimeTable     TimeFunction     TimePositionList     TimeTable     TimeTableList     TimeValueList     WeeklyPeriod     WeeklyPeriodList     WeeklyPimePattern     FlightIdentifier     IFPLIdentifier     MeteorologicalData     MeteorologicalCondition   The following elements were marked as deprecated and have been deleted:      From the AIRM Information Model:     SurfaceRouting     Instruction     CodeSharing  From the AIRM Consolidated Logical Data Model:		
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o TimeValueList o WeeklyPeriod o WeeklyPeriodList o WeeklyTimePattern o FlightIdentifier o IFPLIdentifier o MeteorologicalData o MeteorologicalCondition  The following elements were marked as deprecated and have been deleted:  • From the AIRM Information Model: o SurfaceRouting o Instruction o CodeSharing  • From the AIRM Consolidated Logical Data Model:		
<ul> <li>WeeklyPeriod         <ul> <li>WeeklyPeriodList</li> <li>WeeklyTimePattern</li> <li>FlightIdentifier</li> <li>IFPLIdentifier</li> <li>MeteorologicalData</li> <li>MeteorologicalCondition</li> <li>The following elements were marked as deprecated and have been deleted:                   <ul> <li>From the AIRM Information Model:</li></ul></li></ul></li></ul>		
WeeklyPeriodList     WeeklyTimePattern     FlightIdentifier     IFPLIdentifier     MeteorologicalData     MeteorologicalCondition  The following elements were marked as deprecated and have been deleted:      From the AIRM Information Model:		
WeeklyTimePattern     FlightIdentifier     IFPLIdentifier     MeteorologicalData     MeteorologicalCondition  The following elements were marked as deprecated and have been deleted:      From the AIRM Information Model:		
<ul> <li>FlightIdentifier         <ul> <li>IFPLIdentifier</li> <li>MeteorologicalData</li> <li>MeteorologicalCondition</li> </ul> </li> <li>The following elements were marked as deprecated and have been deleted:         <ul> <li>From the AIRM Information Model:                  <ul> <li>SurfaceRouting</li> <li>Instruction</li> <li>CodeSharing</li> </ul> </li> <li>From the AIRM Consolidated Logical Data Model:</li> </ul> </li> </ul>		
IFPLIdentifier     MeteorologicalData     MeteorologicalCondition  The following elements were marked as deprecated and have been deleted:      From the AIRM Information Model:		
<ul> <li>MeteorologicalData         <ul> <li>MeteorologicalCondition</li> </ul> </li> <li>The following elements were marked as deprecated and have been deleted:         <ul> <li>From the AIRM Information Model:</li></ul></li></ul>		
The following elements were marked as deprecated and have been deleted:  • From the AIRM Information Model:  • SurfaceRouting  • Instruction  • CodeSharing  • From the AIRM Consolidated Logical Data Model:		
The following elements were marked as deprecated and have been deleted:  • From the AIRM Information Model:  • SurfaceRouting  • Instruction  • CodeSharing  • From the AIRM Consolidated Logical Data Model:		
From the AIRM Information Model:		o ivieteorological Condition
From the AIRM Information Model:		
<ul> <li>SurfaceRouting</li> <li>Instruction</li> <li>CodeSharing</li> <li>From the AIRM Consolidated Logical Data Model:</li> </ul>		The following elements were marked as deprecated and have been deleted:
<ul> <li>SurfaceRouting</li> <li>Instruction</li> <li>CodeSharing</li> <li>From the AIRM Consolidated Logical Data Model:</li> </ul>		From the AIRM Information Model:
<ul> <li>3.2.0</li></ul>		
<ul> <li>CodeSharing</li> <li>From the AIRM Consolidated Logical Data Model:</li> </ul>	320	
From the AIRM Consolidated Logical Data Model:	5.2.0	
		From the AIRM Consolidated Logical Data Model:
O AbstractCoverage		AbstractCoverage



Version	Changes	
		Abstract Coverage Demain
	0	AbstractCoverageDomain
	0	ACASResolutionAdvisoryReport
	0	AdditionalRemark
	0	AerialPilotReport
	0	AerialReport
	0	AIREP
	0	AIRMET
	0	AirSpeedInformation
	0	AlternativeFlightData
		AMDAR
	0	Annex3Product
	0	
		AreaCoverage
	0	AreaDomain
	0	AreaOfInterest
	0	BoundaryPoint
	0	CapacityBodyIdentifierType
	0	CCFP
	0	ComposedAircraftIdentifier
	0	CoreMeasure
	0	Coverage
	0	DataType
	0	DiscreteCoverage
		DistributionList
	0	
	0	DomainSet
	0	Event
	0	EventPeriod
	0	EventPlanningStatus
	0	EventTime
	0	ExpandedRoute
	0	ExpandedRoutePoint
	0	ExtentOfType
	0	Feature
	0	FiledFlightPlan
	0	FlightIdentifierType
	0	FlightInteroperabilityInformation
	0	FlightInteroperabiltyIdentifier
	0	FlightObject
	0	FlightPlan
	0	FlightPlanMessage
		FlightScript
	0	
	0	FlightSegment
	0	Forecast
	0	FutureProduct
	0	GAFOR
	0	G-AIRMET
	0	G-SIGMET
	0	Hydrometeor
1	0	IATAFlightIdentifier
	0	IFR
1	0	InitialConditions
1	0	Lithometeor
	0	MDCR
1	0	Measure
		METAR
	0	
	0	METARSpeci MetarslegicalWatchOffice
founding members	0	MeteorologicalWatchOffice



Version	Changes	
		Motoprology
	0	Meteorology
	0	METOLogophica
	0	METObservation
	0	ModeSMBData
	0	MotionVectors
	0	MultiPoint
	0	NonICAOProduct
	0	ObjectWithAge
	0	Observation
	0	ObservationOrForecast
	0	OtherInformation
	0	Package Name: FlightPlan
	0	PercentageRange
	0	Phenomenon
	0	PIREP
	0	PointCollectionCoverage
	0	PointCollectionDomain
	0	PointCoverage
	0	PointDomain
	_	PointTimeSeriesCoverage
	0	
	0	PointTimeSeriesDomain
	0	PointWithAgeType
	0	Product
	0	ProfileCoverage
	0	ProfileDomain
	0	ProfileTimeSeriesCoverage
	0	ProfileTimeSeriesDomain
	0	RepetitiveFlightPlan
	0	RoutePoint
	0	SelectedAltitude
	0	Shower
	0	SIGMET
	0	SignificantPointFlowRouteElement
	0	StationBearing
	0	SupplementaryInformation
	0	SurfaceDeposit
	0	TAF
	0	Thunderstorm
	0	Trajectory4DData
	0	TrajectoryCoverage
	0	TrajectoryDescription
	0	TrajectoryDescription
		TrajectoryDomain TrajectoryIntentDataType
	0	
	0	TrajectorySignificantPoint
	0	TREND
	0	TropicalCycloneAdvisoryCentre
	0	UnitOfMeasure
	0	UrgentPIREP
	0	ValAlarmLimitType
	0	ValAltitudeWithAgeType
	0	ValAngleWithAgeType
	0	ValChannelNumberType
	0	ValFrictionType
	0	ValIntegerWithAgeType
	0	ValLCNType
	0	ValMachNumberWithAgeType
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Version	Changes
	<ul> <li>ValMagneticVariationChangeType</li> </ul>
	o ValPCNType
	<ul> <li>ValPercentType</li> </ul>
	<ul> <li>ValPressureWithAgeType</li> </ul>
	<ul> <li>ValSpeedWithAgeType</li> </ul>
	<ul> <li>VolcanicAshAdvisoryCentre</li> </ul>
	<ul> <li>VolcanicAshConcentration</li> </ul>
	<ul> <li>WeatherModifier</li> </ul>
	<ul> <li>WeatherPhenomenon</li> </ul>
	<ul> <li>WxCondition</li> </ul>
	<ul> <li>WxConditions</li> </ul>
	The following elements were marked as deprecated and have been deleted:
	From the AIRM Information Model:
	<ul> <li>Environment</li> </ul>
	o FlightPhase
	GaseousEmissions
	o NoiseEmissions
	o NoiseMap
	o Particles
	o Substances
	o Zone
	IATAFlightIdentifier
	o Coverage
	From the AIRM Consolidated Logical Data Model:
	o AllocatedStand
	o StandAllocation
	o CommercialAirline
	<ul> <li>EstimatedOffBlockDate</li> </ul>
	<ul> <li>EstimatedOffBlockTime</li> </ul>
	ClassificationCriteria
3.1.0	<ul> <li>DepositDepthCriteria</li> </ul>
3.1.0	<ul> <li>DepositDepthStatistics</li> </ul>
	<ul> <li>DepositSnocloCriteria</li> </ul>
	<ul> <li>DepositSnocloStatistics</li> </ul>
	<ul> <li>GroundVisibility</li> </ul>
	o MeteoCase
	<ul> <li>MeteoStatistics</li> </ul>
	o PressureCriteria
	<ul> <li>PressureStatistics</li> </ul>
	<ul> <li>SkyConditionCriteria</li> </ul>
	<ul> <li>SkyConditionStatistics</li> </ul>
	○ SlantVisibility
	o SurfaceState
	o TemperatureCriteria
	TemperatureStatistics
	VisibilityCriteria
	VisibilityStatistics     Weather Condition Criteria
	WeatherConditionCriteria     WeatherConditionStatistics
	WeatherConditionStatistics     WindCriteria
	WindCriteria     WindStatistics
	WindStatistics     AMDAR
	o AMDAR o MDCR
founding members	O MDCR



Version	Changes
version	Changes
	The fellowing class and a considered as demonstrated and become deleted.
	The following elements were marked as deprecated and have been deleted:
	From the AIRM Information Model:
	AircraftControlParameter
	AutomaticFlightControlSystem
	o EmergencyData
	<ul> <li>LateralEPPWaypoint</li> </ul>
	<ul> <li>AirborneTrajectory</li> </ul>
	BusinessOrMissionDevelopmentTrajectory
	BusinessOrMissionTrajectory  BusinessOrM
	<ul> <li>BusinessOrMissionTrajectory</li> <li>Desired4DTrajectory</li> </ul>
	<ul> <li>Desired4DTrajectory</li> <li>ExpandedRoute</li> </ul>
	FlightScript
	o InitialConditions
	<ul> <li>PredictedTrajectory4D</li> </ul>
	o Profile4D
	ReferenceBusinessOrMissionTrajectory
	SharedBusinessOrMissionTrajectory  Training App.
	<ul> <li>Trajectory4D</li> <li>ArrivalHandOver</li> </ul>
	O - I 'i' INA to it Do it TTO IND
	OverInitialMeteringPoint.TTOIMP     OverInitialMeteringPoint.ATOIMP
	AltitudeIntent
	<ul> <li>ConfigurationIntent</li> </ul>
	o LateralIntent
	<ul> <li>LongitudinalIntent</li> </ul>
3.0.0	o PowerIntent
	ExtendedProjectedProfilePoint  VerticalEDDW(synaint)
	<ul> <li>VerticalEPPWaypoint</li> <li>CurrentStateVector</li> </ul>
	O
	From the AIRM Consolidated Logical Data Model:
	AircraftRegistration
	o AirBrake
	o AirFrame
	o DinghieEquipment
	EmergencyEquipment
	<ul> <li>EquipmentCapabilityAndStatus</li> <li>EquipmentOperationalStatus</li> </ul>
	EquipmentOperationalStatus     LandingGear
	LifeJacketEquipment
	LiftDevice
	SurveillanceEquipment
	<ul> <li>SurvivalEquipment</li> </ul>
	o AircraftReady
	AirportCDMBaseData
	o Movement
	<ul><li>Profile</li><li>ProfileData</li></ul>
	SequenceReason
	TurnaroundTime
	TurnRoundActivity
	o UDPPCDMData
	ATMProcedureImplementation



Version	Changes			
	<ul> <li>ExperiencedDelayCase</li> </ul>			
	B			
	UsageCount     AircraftClassificationCriteria			
	AircraftClassStatistics			
	FlightOperationalStatus			
	MaximumRealisableCapability			
	MaximumRealisableCapabilityContour			
	MovementAnalysis			
	o MovementBreakdown			
	MovementSample			
	<ul> <li>ThroughputDistribution</li> </ul>			
	GateTransportationMean			
	<ul> <li>PreDepartureProgressDetails</li> </ul>			
	<ul> <li>TaxiRouteGuidanceLine</li> </ul>			
	The following elements were marked as deprecated and have been deleted:			
	From the AIRM Information Model:			
	o ICAOFlightPlan			
	<ul> <li>AircraftDerivedData</li> </ul>			
	<ul> <li>AircraftDownloadedData</li> </ul>			
	<ul> <li>EventTypeChange</li> </ul>			
	<ul> <li>ExtendedProjectedProfileChangeSubscription</li> </ul>			
	<ul> <li>ExtendedProjectedProfileChangeTolerance</li> </ul>			
	<ul> <li>ExtendedProjectedProfileContinuousChangeSubscription</li> </ul>			
	<ul> <li>ExtendedProjectedProfileDelineatedChangeSubscription</li> </ul>			
	<ul> <li>ExtendedProjectedProfileDemand</li> </ul>			
	<ul> <li>ExtendedProjectedProfilePeriodicDemand</li> </ul>			
	<ul> <li>ExtendedProjectedProfileWindow</li> </ul>			
	<ul> <li>TrajectorySubscription</li> </ul>			
	<ul> <li>TrajectoryICAO</li> </ul>			
2.3.0	<ul> <li>AirSurveillance</li> </ul>			
2.3.0	AircraftSurveillance			
	SurfaceSurveillance			
	From the AIRM Consolidated Logical Data Model:			
	<ul> <li>HoldingPatternLength</li> </ul>			
	<ul> <li>MarkingExtent</li> </ul>			
	<ul> <li>ArrestingGearExtent</li> </ul>			
	o GuidanceService			
	○ ObstacleAreaOrigin			
	<ul> <li>PublishedRoutePoint</li> </ul>			
	<ul> <li>RadialPointType</li> </ul>			
	RadialRoutePoint			
	RouteAirspacePoint			
	<ul> <li>SignificantPointType</li> </ul>			
	EquipmentChoice			
	FlightConditionElementChoice			
	FlightRoutingElementChoice			
	gg			



### Appendix A Licence

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