Table A1-3 ATS and other routes data

Subject	Property	Sub-Property	Type	Description	Note	Accuracy	Integrity	Orig Type	Pub. Res.	Chart Res.
ATS Route				A specified route designed for channelling the flow of traffic as necessary for the provision of air traffic services.						
	Designator		Text	Designators for ATS routes according to Annex 11 Appendix 1 (or Appendix 3 for standard departure and arrival routes).						
Other Route				A specified route designed for channelling the flow of traffic as necessary without provision of air traffic services						
	Designator		Text	Designator of the route						
	Type		Text	Type of route (e.g. VFR uncontrolled navigation routes)						
	Flight rules		Code list	Information on the flight rules that apply on the route (IFR / VFR)						
Route segment										
	Navigation specification		Text	Designation of the navigation specification(s) applicable to a specified segment(s) - There are two kinds of navigation specifications: Required navigation performance (RNP) specification. A navigation specification based on area navigation that includes the requirement for performance monitoring and alerting, designated by the prefix RNP, e.g. RNP 4, RNP APCH. Area navigation (RNAV) specification. A navigation specification based on area navigation that does not include the requirement for performance monitoring and alerting, designated by the prefix RNAV, e.g. RNAV 5, RNAV 1.						
	From point			Reference to the first point of a route segment						
		Designator	Text	The coded designators or name-codes of significant point						
		Reporting	Code list	Indication of ATS / MET reporting requirement “compulsory” or“on-request”						
	To point			Reference to the second point of a route segment						
		Designator	Text	The coded designators or name-codes of significant point						
		Reporting	Code list	Indication of the ATS / MET reporting requirement “compulsory” or “on-request”						
	Track		Bearing	Track, VOR radial or magnetic bearing of a route segment		1/10 degree (terminal arrival departure)	routine (terminal arrival departure)	calculated (terminal arrival departure)	1 degree (terminal arrival departure)	1 degree (terminal arrival departure)
	Change-over point		Point	The point at which an aircraft navigating on an ATS route segment defined by reference to very high frequency omnidirectional radio ranges is expected to transfer its primary navigational reference from the facility behind the aircraft to the next facility ahead of the aircraft.	in case of VOR radial					
	Length		Distance	The geodesic distance between from point and to point		See Note 2)				
	Upper limit		Altitude	The upper limit of the route segment						
	Lower limit		Altitude	The lower limit of the route segment						
	MEA		Altitude	Minimum en-route altitude (MEA). The altitude for an en-route segment that provides adequate reception of relevant navigation facilities and ATS communications, complies with the airspace structure and provides the required obstacle clearance.	Lower ATS Routes	50 m	routine	calculated	50 m or 100 ft	50 m or 100 ft
	MOCA		Altitude	Minimum obstacle clearance altitude (MOCA). The minimum altitude for a defined segment of flight that provides the required obstacle clearance.	Lower ATS routes	50 m	routine	calculated	50 m or 100 ft	50 m or 100 ft
	Minimum flight altitude		Altitude	Minimum flight altitude	Helicopter route	50 m	routine	calculated	50 m or 100 ft	50 m or 100 ft
	Lateral Limits		Distance	Lateral limits of route						
	Restrictions		Text	Indication on any area speed and level/altitude restrictions where established.						
	Direction of cruise levels			Indication on the direction of the cruising level (even, odd, NIL)						
		Foward	Code list	Indication on the direction of the cruising level (even, odd, NIL) from first point to second point of route segment						
		Backward	Code list	Indication on the direction of the cruising level (even, odd, NIL) from second point to first point of route segment						
	Availability		Text	Information on the route availability						
	Class of airspace		Text	Classification of airspace (A, B, … G) which determines the operating rules, flight requirements, and services provided. According to Annex 11, Appendix 4						

	PBN requirements			Area navigation based on performance requirements for aircraft operating along an ATS route, on an instrument approach procedure or in a designated airspace requirements	PBN only						
		Navigation performance requirements	Text	The navigation accuracy requirement for each PBN (RNAV or RNP) route segment							
		Sensor requirements	Text	Indication on the sensor requirements including any navigation specification limitations							
	Controlling unit										
		Name	Text	Name of the unit providing the service							
		Channel	Text	Operating channel / frequency of controlling unit							
		Logon address	Text	A specified code used for data link logon to the controlling ATS unit	if applicable						
AMA											
	Lateral Limits		Distance	Lateral limits of the sectors							
	Vertical Limit		Altitude	Area Minimum Altitude (AMA) - The minimum altitude to be used under instrument meteorological conditions (IMC), that provides a minimum obstacle clearance within a specified area, normally formed by parallels and meridians.							
MVA											
	Lateral Limits		Distance	Lateral limits of the sectors							
	Vertical Limit		Altitude	Minimum Vector Altitude							

Note 1)	U) Upper	Note 2)	Airway segments length	1/10 km	routine	calculated	1/10 km or 1/10 NM	1 km or 1 NM
	K) Helicopter		Terminal arrival/departure route segments length	1/100 km	essential	calculated	1/100 km or 1/100 NM	1 km or 1 NM
	S) Supersonic							
	T) Tacan							
	Other							