

Table A1-5 Radio navigation aids/systems data;

Subject	Property	Sub-Property	Type	Description	Note	Accuracy	Integrity	Orig Type	Pub. Res.	Chart Res.
Radio navigation aid	Type		Text	Type of radio navigation aid						
	Identification		Text	The code assigned to uniquely identify the navaid						
	Name		Text	The textual name assigned to the navaid						
	Purpose		Code list	Indication whether navigation aid serves en-route (E), aerodrome (A) or dual (AE) purposes.						
	Aerodrome/heliport served		Text	The ICAO location indicator or name of the aerodrome/heliport served						
	Runway served		Text	Designator of the runway served						
	Operating authority		Text	Name of the operating authority of the facility						
	Type of supported ops		Code list	Indication of the type of supported operation for ILS/MLS and GBAS						
	Co-location		Text	Information that a navaid is co-located with another navaid						
	Hours of operation		Schedule	The hours of operation of the radio navigation aid						
	Magnetic variation			The angular difference between True North and Magnetic North						
		Angle	Angle	The magnetic variation at the radio navigation aid	ILS/NDB	See Note 1)				
		Date	Date	The date on which the magnetic variation had the corresponding value.						
	Station declination		Angle	An alignment variation of the navaid between the zero degree radial and true north, determined at the time the station is calibrated.	VOR/ILS/MLS					
	Zero bearing direction		Text	Direction of the 'zero bearing' provided by the station. For example: magnetic north, true north	VOR					
	Frequency		Value	Frequency or tuning frequency of the radio navigation aid						
	Channel		Text	The channel number of the radio navigation aid	DME					
	Position		Point	Geographical location of the radio navigation aid		See Note 2)				
	Elevation		Elevation	The elevation of the transmitting antenna of DME The elevation of GBAS reference point	DME GBAS	See Note 3)				
	Ellipsoidal height		Height	The ellipsoid height of the GBAS reference point,	GBAS					
	Localizer alignment									
		Bearing	Bearing	The localizer course	ILS Localizer	1/100 deg	essential	surveyed	1/100 degree (if true)	1 degree
		Type	Text	Type of localizer alligment, true or magnetic	ILS Localizer					
	Zero azimuth alignment		Bearing	MLS zero azimuth alignment	MLS	1/100 deg	essential	surveyed	1/100 degree (if true)	1 degree
	Angle		Angle	The angle of the glide path of an ILS or the normal glide path angle for the MLS installation	ILS GP /MLS					
	RDH		Value	The value of the ILS Reference Datum Height (ILS RDH).	ILS GP	0.5m	critical	calculated	0.1m or 0.1ft	0.5m or 1ft
	Localizer antenna rwy end distance		Distance	ILS localizer runway/FATO end distance	ILS Localizer	3 m	routine	calculated	1 m or 1 ft	as plotted
	ILS glideslope antenna TRSH distance		Distance	ILS glideslope antenna - threshold distance along centerline	ILS GP	3 m	routine	calculated	1 m or 1 ft	as plotted
	ILS marker TRSH distance		Distance	ILS marker - threshold distance	ILS	3 m	essentail	calculated	1 m or 1 ft	2/10 km (1/10 NM)
	ILS DME antenna TRSH distance		Distance	ILS DME antenna - threshold distance along centerline	ILS	3 m	essential	calculated	1 m or 1 ft	as plotted
	MLS azimuth antenna rwy end distance		Distance	MLS azimuth antenna - runway/FATO end distance	MLS	3 m	routine	calculated	1 m or 1 ft	as plotted
	MLS elevation antenna TRHS distance		Distance	MLS elevation antenna - threshold distance along centre line	MLS	3 m	routine	calculated	1 m or 1 ft	as plotted
	MLS DME antenna TRHS distance		Distance	MLS DME/P antenna - threshold distance along centre line	MLS	3 m	essential	calculated	1 m or 1 ft	as plotted
	Signal polarization		Code list	GBAS signal polarization (GBAS/H or GBAS/E)	GBAS					

	DOC		Text	Designated operational coverage (DOC or stadard service volume SSV) as range or service volume radius from the navaid / GBAS reference point, height and sectors if required						
--	-----	--	------	--	--	--	--	--	--	--

Note 1)	ILS Localizer	1 degree	essential	surveyed	1 degree	
	NDB	1 degree	routine	surveyed	1 degree	

Note 2)	Aerodrome Navaid	3 m	essential	surveyed	1/10 sec	as plotted
	GBAS Ref Point	1 m				
	Enroute	100 m	essential	surveyed	1 sec	

Note 3)	DME	30m (100ft)	essential	surveyed	30 m (100 ft)	30 m (100 ft)
	DME/P	3 m	essential	surveyed	3 m (10 ft)	
	GBAS Ref Point	0.25 m	essential		1 m or 1 ft	