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Home > Ship waypoints (WP) and/or route plan report

Introduction/Additional information:

This IFM should be used by a ship to report its waypoints and/or its route plan. If the reporting ship uses this IFM 17 within an addressed binary message, then the waypoints and/or the route plan will be available to the addressed recipient, e.g. VTS [1] or other ship, only. If the reporting ship uses this IFM 17 within a broadcast binary message, then the information will be available to all other AIS [2] stations in its vicinity.

When transmitting a route plan the transmitting station should include up to 14 next waypoints (NWP), if available, and/or a route specified by a textual description, if available. The next waypoints should be transmitted in the order of the intended passage.

Permitted as from:

Start date:

Message number:

Number of slots (max):

	Number of bits		Description
NWP	4		Number of next waypoints available (1-14); 0 = no next waypoint available = default; 15 = not used
WP i.Lon	28		Longitude of next waypoint i in 1/10 000 min ($\pm 180^\circ$, East = positive, West = negative). Field required if and as often as 1 ? i ? NWP, i = 1, 2, 3, ..., 14; field not required if NWP = 0
WP i.Lat	27		Latitude of next waypoint i in 1/10 000 min ($\pm 90^\circ$, North = positive, South = negative). Field required if and as often as 1 ? i ? NWP, i = 1, 2, 3, ..., 14; field not required if NWP = 0
Route specified by textual description	120		Description of the route information in textual form, e.g. —West channel“; maximum 20 characters using 6-bit ASCII; @@@@ = not available (field must not be omitted)
Spare	NWP	Bits	Spare. Not used. Should be set to zero
	0, 8	4	
	1, 9	5	
	2, 10	6	
	3, 11	7	

	Number of bits		Description
	4, 12	0	
	5, 13	1	
	6, 14	2	
	7	3	
Number of bits	128-896		The number of bits of the IFM 17 may be calculated as follows: 124 + (NWP × 55) + spare

The number of slots used for this message depends on the number of next waypoints transmitted as follows:

Number of next waypoints transmitted	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Number of slots used for this message	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5

Source URL (modified on 27/03/2015 - 22:06): <http://www.e-navigation.nl/content/ship-waypoints-wp-andor-route-plan-report>

Links

[1] <http://www.e-navigation.nl/iala/vts>

[2] <http://www.e-navigation.nl/iala/ais>