

SINGLE SLOT BINARY MESSAGE (MESSAGE 25)

This message is primarily intended short infrequent data transmissions. The single slot binary message can contain up to 128 data-bits depending on the coding method used for the contents, and the destination indication of broadcast or addressed. The length should not exceed one slot. This message should not be acknowledged by either Message 7 or 13. Since the data content of this binary message is defined by the application, Message 25 is an [Application Specific Message \(click on this link for a registry of recognized Application Specific Messages\)](#).

Parameter	Number of bits	Description			
Message ID	6	Identifier for Message 25; always 25			
Repeat indicator	2	Used by the repeater to indicate how many times a message has been repeated. default = 0; 3 = do not repeat any more			
Source ID	30	MMSI number of source station			
Destination indicator	1	0 = Broadcast (no Destination ID field used) 1 = Addressed (Destination ID uses 30 data bits for MMSI)			
Binary data flag	1	0 = unstructured binary data (no Application Identifier bits used) 1 = binary data coded as defined by using the 16-bit Application identifier			
Destination ID	0/30	Destination ID (if used)	If Destination indicator = 0 (Broadcast); no data bits are needed for the Destination ID. If Destination indicator = 1; 30 bits are used for Destination ID and spare bits for byte alignment.		
Spare	0/2	Spare (if Destination ID used)			
Binary data	Broadcast Maximum 128 Addressed Maximum 96	Application identifier (if used)	16 bits	Bit	Description
				15-6	Designated area code (DAC). This code is based on the maritime identification digits (MID). Exceptions are 0 (test) and 1 (international). Although the length is 10 bits, the DAC codes equal to or above 1 000 are reserved for future use
		5-0	Function identifier (FI). The meaning should be determined by the authority which is responsible for the area given in the designated area code		
		Application binary data	Broadcast Maximum 112 bits Addressed Maximum 80 bits	Application specific data	
Maximum number of bits	Maximum 168	Occupies up to 1 slot subject to the length of sub-field message content Class B "CS" mobile AIS stations should not transmit			

Table 81 gives the maximum number of binary data-bits for settings of destination indicator and coding method flags, such that, the message does not exceed one slot.

Destination indicator	Coding method	Binary data (maximum bits)
0	0	128
0	1	112
1	0	96
1	1	80

(Source: [Rec. ITU-R M.1371-5](#))