Introduction/Additional information:

When requested, IFM 5 should be used by an application to confirm the reception of an addressed binary message. An application should never acknowledge a binary broadcast message. If the interrogating application does not receive an IFM 5, when requested, then the application should assume that addressed AIS unit does not have an application attached to its Presentation Interface (PI). If there is any application at the AIS station, it should not respond if the "Acknowledge Required Flag" is set to 0.

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Original Title (max) Application Acknowledgement [1]

Replacing by DAC 1 FI 1 (warning older AIS stations could still use DAC 1 FI 1)

Parameters	Number of bits	Description
Message ID	6	Identifier for Message 6; always 6
Repeat indicator	2	Used by the repeater to indicate how many times a message has been repeated. See § 4.6.1, Annex 2; 0-3; 0 = default; 3 = do not repeat any more
Source ID	30	MMSI number of source station
Sequence number	2	0-3; see § 5.3.1, Annex 2
Destination ID	30	MMSI number of destination station
Retransmit flag	1	Retransmit flag should be set upon retransmission: 0 = no retransmission = default; 1 = retransmitted
Spare	1	Not used. Should be zero
DAC	10	International DAC = 110 = 0000000001₂
FI	6	Function identifier = 510 = 000101₂
DAC code of received FM	10	Recommended to be spare
FI code of received FM	6	

Parameters	Number of bits	Description
Text sequence number	11	Sequence number in the message being acknowledged as properly received 0 = default (no sequence number) 1-2 047 = sequence number of received FM
AI available	1	0 = received but AI not available 1 = AI available
AI response	3	0 = unable to respond 1 = reception acknowledged 2 = response to follow 3 = able to respond but currently inhibited 4-7 = spare for future use
Spare bits	49	Not used, should be set to zero, reserved for future use
Total number of bits	**168**	**The resulting Message 6 occupies 1 slot**

Links
[1] https://www.e-navigation.nl/content/application-acknowledgement