Static data report

Submitted by jvgils on Sat, 01/24/2015 - 13:40
Physical link: AIS
msg_ID: 24
Extended description: Additionan data assigned to a MMSI Part A: Name Part B: Static Data
Priority: 4
Access scheme: RATDMA
ITDMA
FATDMA
CSTDMA
Communication state: N/A
Transmitted by: Mobile station
Base station
Equipment that supports Message 24 part A shall transmit once every 6 min alternating between channels.
Message 24 Part A may be used by any AIS station to associate a MMSI with a name.
Message 24 Part A and Part B should be transmitted once every 6 min by Class B “CS” and Class B “SO” shipborne mobile equipment. The message consists of two parts. Message 24B should be transmitted within 1 min following Message 24A.
When the parameter value of dimension of ship/reference for position or type of electronic position fixing device is changed, Class-B :CS” and Class-B “SO” should transmit Message 24B.
When requesting the transmission of a Message 24 from a Class B “CS” or Class B “SO”, the AIS station should respond with part A and part B.
When requesting the transmission of a Message 24 from a Class A, the AIS station should respond with part B, which may contain the vendor ID only.

TABLE 78
Message 24 part A

Parameter	Number of bits	Description
Message ID	6	Identifier for Message 24; always 24
Repeat indicator	2	Used by the repeater to indicate how many times a message has been repeated. 0 = default; 3 = do not repeat any more
User ID	30	MMSI number
Part number	2	Identifier for the message part number; always 0 for Part A

Parameter	Number of bits	Description
Name	120	Name of the MMSI-registered vessel. Maximum 20 characters 6-bit ASCII, @@@@@@@@@@@@@@@@@@@@ = not available = default. For SAR aircraft, it should be set to “SAR AIRCRAFT NNNNNNN” where NNNNNNN equals the aircraft registration number
Number of bits	160	Occupies one-time period

TABLE 79
Message 24 part B

Parameter	Number of bits	Description
Message ID	6	Identifier for Message 24; always 24
Repeat indicator	2	Used by the repeater to indicate how many times a message has been repeated. 0 = default; 3 = do not repeat any more
User ID	30	MMSI number
Part number	2	Identifier for the message part number; always 1 for Part B
Type of ship and cargo type	8	0 = not available or no ship = default 1-99 = as defined in § 3.3.2 100-199 = reserved, for regional use 200-255 = reserved, for future use Not applicable to SAR aircraft
Vendor ID	42	Unique identification of the Unit by a number as defined by the manufacturer (option; “@@@@@@@” = not available = default) See Table 79A
Call sign	42	Call sign of the MMSI-registered vessel. 7 x 6 bit ASCII characters, “@@@@@@@” = not available = default. Craft associated with a parent vessel should use “A” followed by the last 6 digits of the MMSI of the parent vessel. Examples of these craft include towed vessels, rescue boats, tenders, lifeboats and life rafts.
Dimension of ship/reference for position	30	Dimensions of ship in metres and reference point for reported position (see Fig. 41 and § 3.3.3). For SAR aircraft, the use of this field may be decided by the responsible administration. If used it should indicate the maximum dimensions of the craft. As default should A = B = C = D be set to “0”.

Type of electronic position fixing device	4	0 = Undefined (default); 1 = GPS, 2 = GLONASS, 3 = combined GPS/GLONASS, 4 = Loran-C, 5 = Chayka, 6 = integrated navigation system, 7 = surveyed; 8 = Galileo, 9-14 = not used, 15 = internal GNSS
Spare	2	
Number of bits	168	Occupies one-time period

TABLE 79A
Vendor identification field

Bit	Information	Description
(MSB) 41 …..... 24 (18 bits)	Manufacturer’s ID	The Manufacturer’s ID bits indicate the manufacture’s mnemonic code consisting of three 6 bit ASCII characters(1)
23 …..... 20 (4 bits)	Unit Model Code	The Unit Model Code bits indicate the binary coded series number of the model. The first model of the manufacture uses “1” and the number is incremented at the release of a new model. The code reverts to “1” after reaching to “15”. The “0” is not used
19 …..... 0 (LSB) (20 bits)	Unit Serial Number	The Unit Serial Number bits indicate the manufacture traceable serial number. When the serial number is composed of numeric only, the binary coding should be used. If it includes figure(s), the manufacture can define the coding method. The coding method should be mentioned in the manual
(1) NMEA mnemonic manufacturer codes should be used for Message 24B Manufacturer ID. Manufacturers and or vendors may request this code via NMEA at www.nmea.org.		