

Radio Test Report

ACR Electronics Inc
AIS SART, Model: Pathfinder AIS
Brand Variant: Ocean Signal Ltd.
AIS SART, Model: S200



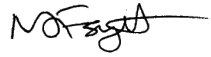
In accordance with IEC 61097-14
(Section 8: Link Layer tests)

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RESPONSIBLE FOR	NAME	DATE	SIGNATURE
Authorised Signatory	Nic Forsyth	19 August 2025	

Signatures in this approval box have checked this document in line with the requirements of TUV SUD document control rules.

EXECUTIVE SUMMARY

A sample of this product was tested and found to be in compliance with Section 8 of IEC 61097-14: ED1

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1 Report Summary

1.1 Report Modification Record

Alterations and additions to this report will be issued to the holders of each copy in the form of a complete document.

Issue	Description of Change	Date of Issue
1	First Issue	19-Aug-2025

Table 1

1.2 Introduction

Applicant	Ocean Signal Ltd.
Manufacturer	Ocean Signal Ltd. / ACR Electronics Inc
Model Tested	Pathfinder AIS
Manufacturer Declared Variant(s)	S200 *
Serial Number(s)	TA000016 (TUV Ref: TSR0004) (Pathfinder AIS: Radiated Unit)
Hardware Version(s)	01.00 / 01.00
Software Version(s)	01.00 / 01.00
Number of Samples Tested	1
Test Specification/Issue/Date	IEC 61097-14 ED1
Order Number	P8041
Date	30 August 2023
Date of Receipt of EUT	12 January 2024
Start of Test	24 January 2024
Finish of Test	25 January 2024
Name of Engineer(s)	Matthew Bushell

*Manufacturer declared variants: Refer to documents "Variant Relation Declaration - AIS SART Model Variants.pdf" and "921S-06454 Issue 01.00 AIS SART Variant Comparison.pdf".



1.3 Brief Summary of Results

A brief summary of the tests carried out in accordance with IEC 61097-14 is shown below.

Specification Clause	Test Description	Result	Comments/Base Standard
8.1	Tests for Synchronisation Accuracy	Pass	
8.2	Active Mode Tests	Pass	
8.3.2	Transmission with EPFS data available	Pass	
8.3.3	Transmission without EPFS data available	Pass	



1.4 Declaration of Build Status

MAIN EUT			
MANUFACTURING DESCRIPTION	AIS SART		
MANUFACTURER	Ocean Signal Ltd. / ACR Electronics Inc.		
MODEL	S200 / Pathfinder AIS		
PART NUMBER	900S-04810 / 900S-05232		
HARDWARE VERSION	01.00 / 01.00		
SOFTWARE VERSION	01.00 / 01.00		
PSU VOLTAGE/FREQUENCY/CURRENT	6V		
HIGHEST INTERNALLY GENERATED FREQUENCY	162.025 MHz		
FCC ID (if applicable)	XYES200		
INDUSTRY CANADA ID (if applicable)	9296A-S200		
TECHNICAL DESCRIPTION (a brief technical description of the intended use and operation)	Search And Rescue Transponder operating in the AIS frequency band.		
COUNTRY OF ORIGIN	United Kingdom		
RF CHARACTERISTICS (if applicable)			
TRANSMITTER FREQUENCY OPERATING RANGE (MHz)	161.975MHz - 162.025 MHz		
RECEIVER FREQUENCY OPERATING RANGE (MHz)	N/A		
INTERMEDIATE FREQUENCIES	N/A		
EMISSION DESIGNATOR(S): https://fccid.io/Emissions-Designator/	16K0GXW		
MODULATION TYPES: (i.e. GMSK, QPSK)	GMSK		
OUTPUT POWER (W or dBm)	30+-3dBm		
SEPARATE BATTERY/POWER SUPPLY (if applicable)			
MANUFACTURING DESCRIPTION	Battery Module Assy LB3S: SART / Battery Module Assy: ACR SART		
MANUFACTURER	Ocean Signal Ltd. / ACR Electronics Inc.		
TYPE	Lithium/Iron Disulfide (Li/FeS2)		
PART NUMBER	901S-00325 / 901S-02016		
PSU VOLTAGE/FREQUENCY/CURRENT	6V		
COUNTRY OF ORIGIN	United Kingdom		
MODULES (if applicable)			
MANUFACTURING DESCRIPTION			
MANUFACTURER			
TYPE			
POWER			
FCC ID			
INDUSTRY CANADA ID			
EMISSION DESIGNATOR			
DHSS/FHSS/COMBINED OR OTHER			
COUNTRY OF ORIGIN			
ANCILLARIES (if applicable)			
MANUFACTURING DESCRIPTION	SART Optional 1m Mounting Pole		
MANUFACTURER	Ocean Signal Ltd		
TYPE	-		
PART NUMBER	711S-01802		
SERIAL NUMBER	-		
COUNTRY OF ORIGIN	China		

I hereby declare that the information supplied is correct and complete.

Stefan Kennedy

Name: Stefan Kennedy
Position held: R&D Director
Date: 30-06-2025

1.5 Product Information

The Equipment under test (EUT) was an ACR Electronics Pathfinder AIS (Automatic Identification System) SART (Search and Rescue Transponder).

The primary function of the EUT is to provide location data in emergencies.



Figure 1 - Equipment Under Test (EUT)

1.6 Deviations from the Standard

No deviations from the standard.

1.7 EUT Modification Record

The table below details modifications made to the EUT during the test programme.

The modifications incorporated during each test are recorded on the appropriate test pages.

Modification State	Description of Modification still fitted to EUT	Modification Fitted By	Date Modification Fitted
Model: Pathfinder AIS, Serial Number: TA000016 (Radiated Unit)			
0	As supplied by the customer	Not Applicable	Not Applicable

Table 2

1.8 Test Location

TÜV SÜD conducted the following tests at our Octagon House Test Laboratory.



Test Name	Name of Engineer(s)	Accreditation
Tests for Synchronisation Accuracy– Clause 8.1	Matthew Bushell	UKAS
Active Mode Tests – Clause 8.2	Matthew Bushell	UKAS
Transmission with EPFS data available – Clause 8.3.2	Matthew Bushell	UKAS
Transmission without EPFS data available – Clause 8.3.3	Matthew Bushell	UKAS

Table 3

Office Address:

TÜV SÜD
Octagon House
Concorde Way
Segensworth North
Fareham
Hampshire
PO15 5RL
United Kingdom



2 Link Layer Tests

2.1 Specification Reference

IEC 61097-14, Section 8

2.2 Equipment Under Test and Modification State

Pathfinder AIS, S/N: TA000016 (TUV Ref TSR0004) – Modification State 0

2.3 Date of Test

24-January-2024

2.4 Environmental Conditions

Ambient Temperature	20.0 - 22.3 °C
Relative Humidity	52.4 – 55.5 %

2.5 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.6 Test Setup

The EUT was connected via a conducted link to the VDES AIS test platform, enabling AIS transmissions by the EUT to be monitored. The EUT was located such that the internal GNSS receiver was in view of the sky.

For tests requiring the removal of GNSS reception, the EUT was placed within a container lined with radiation absorbent material, which effectively shielded the SART from live GNSS data. A conducted link was used to connect the EUT inside the shielded container, that was linked to the VDES test platform.

2.7 Test Results

IEC 61097-14:2010 - Tests for Synchronisation Accuracy– Clause 8.1

Method of Measurement

Activate the AIS-SART with EPFS data available in active mode and record transmissions for 40 min. Record VDL messages and measure the time between the transmission patterns as defined by ITU-R M.1371 and the actual transmission made by the AIS-SART. The transmission timing shall be measured and referenced to the beginning of the start of a transmission packet (start flag) according to ITU-R M.1371.



Required Results

The synchronisation error with its additive jitter shall not exceed $\pm 312 \mu\text{s}$ between minutes 15 and 40.

Requirement	Result	Verdict
Confirm that the transmission timing error (including jitter) does not exceed ± 3 bits ($\pm 312 \mu\text{s}$).	The transmission timing error did not exceed $\pm 312 \mu\text{s}$; the measured jitter ranged from $57 \mu\text{s}$ – $-203 \mu\text{s}$.	Pass

Table 4

IEC 61097-14:2010 - Active Mode Tests – Clause 8.2

These tests require analysis of the transmissions of the AIS SART.

Method of Measurement

Activate the AIS SART in active mode and record transmissions for 40 min. Inhibit EPFS data and record transmissions for a further 20 min.

Record the activation time of the AIS SART.

For all transmitted messages record:

- transmission time (UTC time);
- transmission slot;
- in-slot timing;
- transmission channel;
- message content.

The records will be evaluated in the following test items.

IEC 61097-14:2010 - initialisation Period – Clause 8.2.2

Required Results

The following is required.

- a) The first message is transmitted within 1 min after activation.
- b) The first message with a valid position is transmitted within 15 min.

Test Results

a)		
Requirement	Result	Verdict
The first message is transmitted within 1 min after activation.	The EUT transmits the first AIS burst within 50 seconds of switch on.	Pass

Table 5



b)		
Requirement	Result	Verdict
The first message with a valid position is transmitted within 15 min.	The EUT transmitted a valid position after 01:45 mins	Pass

Table 6

b) Transmitted Messages					
Time	Slot	Chan	Sentence	Latitude	Longitude
11:51:22	-	-	EUT activated	-	-
11:52:12	455	B	!AIVDM,1,1,1,B,1>M46T>P?w<ISF0I4Q@>4?wv1t00,0*73	91 0 N	181 0 E
11:52:14	530	A	!AIVDM,1,1,2,A,1>M46T>P?w<ISF0I4Q@>4?wv1t00,0*73	91 0 N	181 0 E
11:52:16	605	B	!AIVDM,1,1,3,B,1>M46T>P?w<ISF0I4Q@>4?wv1t00,0*71	91 0 N	181 0 E
11:52:18	680	A	!AIVDM,1,1,4,A,1>M46T>P?w<ISF0I4Q@>4?wv1t00,0*75	91 0 N	181 0 E
11:52:20	755	B	!AIVDM,1,1,5,B,>>M46T1<59B04=@UHF0,2*58	-	-
11:52:22	830	A	!AIVDM,1,1,6,A,>>M46T1<59B04=@UHF0,2*58	-	-
11:52:24	905	B	!AIVDM,1,1,7,B,1>M46T>P?w<ISF0I4Q@>4?wv1t00,0*75	91 0 N	181 0 E
11:52:26	980	A	!AIVDM,1,1,8,A,1>M46T>P?w<ISF0I4Q@>4?wv1t00,0*79	91 0 N	181 0 E
11:53:12	456	B	!AIVDM,1,1,9,B,1>M46T>P07OrCPLM6rPv4?vH0H78,0*6E	50 52.1987 N	1 14.6482 W
11:53:14	531	A	!AIVDM,1,1,0,A,1>M46T>P07OrCPLM6rPv4?vL0H8C,0*14	50 52.1987 N	1 14.6482 W
11:53:16	606	B	!AIVDM,1,1,1,B,1>M46T>P07OrCPLM6rPv4?vP0H9N,0*06	50 52.1987 N	1 14.6482 W
11:53:18	681	A	!AIVDM,1,1,2,A,1>M46T>P07OrCPLM6rPv4?vT0H:a,0*2E	50 52.1987 N	1 14.6482 W
11:53:20	756	B	!AIVDM,1,1,3,B,1>M46T>P07OrCPLM6rPv4?v 0H:l,0*14	50 52.1987 N	1 14.6482 W
11:53:22	831	A	!AIVDM,1,1,4,A,1>M46T>P07OrCPLM6rPv4?vd0H<w,0*08	50 52.1987 N	1 14.6482 W
11:53:24	906	B	!AIVDM,1,1,5,B,1>M46T>P07OrCPLM6rPv4?vh0H>:,0*49	50 52.1987 N	1 14.6482 W
11:53:26	981	A	!AIVDM,1,1,6,A,1>M46T>P07OrCPLM6rPv4?vI0H?E,0*33	50 52.1987 N	1 14.6482 W

Table 7



IEC 61097-14:2010 - Message Content of Message 1 – Clause 8.2.3

Required Results

For position reports transmitted after 5 min and before 40 min the following is required.

- a) Message ID = 1.
- b) Repeat indicator = 0.
- c) User ID as configured in the AIS-SART.
- d) Navigational status = 14.
- e) Rate of turn = default.
- f) SOG = actual SOG from GNSS receiver.
- g) Position accuracy = according to the RAIM result if provided, otherwise 0.
- h) Position = actual position from internal GNSS receiver.
- i) Position is updated at least once per minute, for each burst.
- j) COG = actual COG from internal GNSS receiver.
- k) True heading = default.
- l) Time stamp = actual UTC second (0...59).
- m) Verify correct indication according to manufacturer's documentation.

Test Results

Section	Requirement	Verdict
a)	Message ID = 1	Pass
b)	Repeat indicator = 0	Pass
c)	User ID as configured in the AIS-SART	Pass
d)	Navigational status = 14	Pass
e)	Rate of turn = default	Pass
f)	SOG = actual SOG from GNSS receiver	Pass
g)	Position accuracy = according to RAIM result if provided, otherwise 0	Pass
h)	Position = actual position from internal GNSS receiver	Pass
i)	Position is updated at least once per minute, for each burst	Pass
j)	COG = actual COG from internal GNSS receiver	Pass
k)	True heading = default	Pass
l)	Time stamp = actual UTC second (0...59)	Pass
m)	Verify correct indication according to manufacturer's documentation	Pass

Table 8



Time	Slot	Chan	Msg	Sentence	Time Stamp	Latitude	Longitude	Sub Message
13:14:04	150	B	1	IAIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?v80L00,0*10	4	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:14:06	225	A	1	IAIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?v<0L00,0*16	6	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:14:08	300	B	1	IAIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?v<0L00,0*6A	8	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:14:10	375	A	1	IAIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?vD0L00,0*6C	10	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:14:12	450	B	14	IAIVDM,1,1,4,B,>>M46T1<59B04=@UHF0,2*59	-	-	-	-
13:14:14	525	A	14	IAIVDM,1,1,5,A,>>M46T1<59B04=@UHF0,2*5B	-	-	-	-
13:14:16	600	B	1	IAIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?vP0L00,0*7E	16	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:14:18	675	A	1	IAIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?vT0L00,0*78	18	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:15:04	150	B	1	IAIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?v80H2F,0*68	4	50 52.194 N	1 14.6617 W	Slot No. = 150
13:15:06	225	A	1	IAIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?v<0H3Q,0*78	6	50 52.194 N	1 14.6617 W	Slot No. = 225
13:15:08	300	B	1	IAIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?v<0H4d,0*3C	8	50 52.194 N	1 14.6617 W	Slot No. = 300
13:15:10	375	A	1	IAIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?vD0H5o,0*30	10	50 52.194 N	1 14.6617 W	Slot No. = 375
13:15:12	450	B	1	IAIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?vH0H72,0*63	12	50 52.194 N	1 14.6617 W	Slot No. = 450
13:15:14	525	A	1	IAIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?vL0H8=,0*65	14	50 52.194 N	1 14.6617 W	Slot No. = 525
13:15:16	600	B	1	IAIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>4?vP0H9H,0*09	16	50 52.194 N	1 14.6617 W	Slot No. = 600
13:15:18	675	A	1	IAIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>4?vT0H:,S,0*17	18	50 52.194 N	1 14.6617 W	Slot No. = 675
13:16:04	150	B	1	IAIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?v80D00,0*1E	4	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:16:06	225	A	1	IAIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?v<0D00,0*18	6	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:16:08	300	B	1	IAIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?v<0D00,0*68	8	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:16:10	375	A	1	IAIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?vD0D00,0*6E	10	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:16:12	450	B	1	IAIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?vH0D00,0*68	12	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:16:14	525	A	1	IAIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?vL0D00,0*6E	14	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:16:16	600	B	1	IAIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?vP0D00,0*72	16	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:16:18	675	A	1	IAIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?vT0D00,0*74	18	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:17:04	150	B	1	IAIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>4?v80<2F,0*6C	4	50 52.194 N	1 14.6617 W	Slot No. = 150
13:17:06	225	A	1	IAIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>4?v<0<3Q,0*7C	6	50 52.194 N	1 14.6617 W	Slot No. = 225
13:17:08	300	B	1	IAIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?v<0<4d,0*32	8	50 52.194 N	1 14.6617 W	Slot No. = 300
13:17:10	375	A	1	IAIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?vD0<5o,0*3E	10	50 52.194 N	1 14.6617 W	Slot No. = 375
13:17:12	450	B	1	IAIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?vH0<72,0*61	12	50 52.194 N	1 14.6617 W	Slot No. = 450
13:17:14	525	A	1	IAIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?vL0<8=,0*67	14	50 52.194 N	1 14.6617 W	Slot No. = 525
13:17:16	600	B	1	IAIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?vP0<9H,0*05	16	50 52.194 N	1 14.6617 W	Slot No. = 600
13:17:18	675	A	1	IAIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?vT0<S,0*1B	18	50 52.194 N	1 14.6617 W	Slot No. = 675
13:18:04	150	B	1	IAIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?v80<00,0*62	4	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:18:06	225	A	1	IAIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?v<0<00,0*64	6	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:18:08	300	B	1	IAIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>4?v<0<00,0*1C	8	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:18:10	375	A	1	IAIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>4?vD0<00,0*1A	10	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:18:12	450	B	14	IAIVDM,1,1,6,B,>>M46T1<59B04=@UHF0,2*5B	-	-	-	-
13:18:14	525	A	14	IAIVDM,1,1,7,A,>>M46T1<59B04=@UHF0,2*59	-	-	-	-
13:18:16	600	B	1	IAIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?vP0<00,0*00	16	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:18:18	675	A	1	IAIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?vT0<00,0*06	18	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:19:04	150	B	1	IAIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?v8082F,0*10	4	50 52.194 N	1 14.6617 W	Slot No. = 150
13:19:06	225	A	1	IAIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?v<083Q,0*00	6	50 52.194 N	1 14.6617 W	Slot No. = 225
13:19:08	300	B	1	IAIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?v<084d,0*4E	8	50 52.194 N	1 14.6617 W	Slot No. = 300
13:19:10	375	A	1	IAIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?vD085o,0*42	10	50 52.194 N	1 14.6617 W	Slot No. = 375
13:19:12	450	B	1	IAIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>4?vH0872,0*15	12	50 52.194 N	1 14.6617 W	Slot No. = 450
13:19:14	525	A	1	IAIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>4?vL088=,0*13	14	50 52.194 N	1 14.6617 W	Slot No. = 525
13:19:16	600	B	1	IAIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?vP089H,0*7B	16	50 52.194 N	1 14.6617 W	Slot No. = 600
13:19:18	675	A	1	IAIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?vT08:,S,0*65	18	50 52.194 N	1 14.6617 W	Slot No. = 675
13:20:04	150	B	1	IAIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?v805a@,0*40	4	50 52.194 N	1 14.6617 W	Time = 13:20
13:20:06	225	A	1	IAIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?v<05a@,0*46	6	50 52.194 N	1 14.6617 W	Time = 13:20
13:20:08	300	B	1	IAIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?v<05a@,0*30	8	50 52.194 N	1 14.6617 W	Time = 13:20
13:20:10	375	A	1	IAIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?vD05a@,0*36	10	50 52.194 N	1 14.6617 W	Time = 13:20
13:20:12	450	B	1	IAIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?vH05a@,0*3A	12	50 52.194 N	1 14.6617 W	Time = 13:20
13:20:14	525	A	1	IAIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?vL05a@,0*3C	14	50 52.194 N	1 14.6617 W	Time = 13:20
13:20:16	600	B	1	IAIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>4?vP05a@,0*24	16	50 52.194 N	1 14.6617 W	Time = 13:20
13:20:18	675	A	1	IAIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>4?vT05a@,0*22	18	50 52.194 N	1 14.6617 W	Time = 13:20
13:21:04	150	B	1	IAIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?v800QJ,0*71	4	50 52.194 N	1 14.6617 W	slot offset = 2138
13:21:06	225	A	1	IAIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?v<00QJ,0*77	6	50 52.194 N	1 14.6617 W	slot offset = 2138
13:21:08	300	B	1	IAIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?v<00QJ,0*07	8	50 52.194 N	1 14.6617 W	slot offset = 2138
13:21:10	375	A	1	IAIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?vD00QJ,0*01	10	50 52.194 N	1 14.6617 W	slot offset = 2138
13:21:12	450	B	1	IAIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?vH00QJ,0*07	12	50 52.194 N	1 14.6617 W	slot offset = 2138
13:21:14	525	A	1	IAIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?vL00QJ,0*01	14	50 52.194 N	1 14.6617 W	slot offset = 2138
13:21:16	600	B	1	IAIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?vP00QJ,0*1D	16	50 52.194 N	1 14.6617 W	slot offset = 2138
13:21:18	675	A	1	IAIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?vT00QJ,0*1B	18	50 52.194 N	1 14.6617 W	slot offset = 2138
13:22:01	38	B	1	IAIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>4?v20L00,0*1E	1	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:22:03	113	A	1	IAIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>4?v60L00,0*18	3	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:22:05	188	B	1	IAIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?v<0L00,0*14	5	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:22:07	263	A	1	IAIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?v<0L00,0*12	7	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:22:09	338	B	14	IAIVDM,1,1,8,B,>>M46T1<59B04=@UHF0,2*55	-	-	-	-
13:22:11	413	A	14	IAIVDM,1,1,9,A,>>M46T1<59B04=@UHF0,2*57	-	-	-	-
13:22:13	488	B	1	IAIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?vJ0L00,0*62	13	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:22:15	563	A	1	IAIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?vN0L00,0*64	15	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:23:01	38	B	1	IAIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?v20H0V,0*7A	1	50 52.194 N	1 14.6617 W	Slot No. = 38
13:23:03	113	A	1	IAIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?v60H1i,0*42	3	50 52.194 N	1 14.6617 W	Slot No. = 113
13:23:05	188	B	1	IAIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>4?v<0H21,0*54	5	50 52.194 N	1 14.6617 W	Slot No. = 188
13:23:07	263	A	1	IAIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>4?v<0H47,0*17	7	50 52.194 N	1 14.6617 W	Slot No. = 263
13:23:09	338	B	1	IAIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?vB0H5B,0*1F	9	50 52.194 N	1 14.6617 W	Slot No. = 338
13:23:11	413	A	1	IAIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?vF0H6M,0*15	11	50 52.194 N	1 14.6617 W	Slot No. = 413
13:23:13	488	B	1	IAIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?vJ0H7:,0*39	13	50 52.194 N	1 14.6617 W	Slot No. = 488
13:23:15	563	A	1	IAIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?vN0H8k,0*3B	15	50 52.194 N	1 14.6617 W	Slot No. = 563
13:24:01	38	B	1	IAIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?v20D00,0*12	1	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:24:03	113	A	1	IAIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?v60D00,0*14	3	50 52.194 N	1 14.6617 W	Rx Stations = 0



Time	Slot	Chan	Msg	Sentence	Time Stamp	Latitude	Longitude	Sub Message
13:24:05	188	B	1	IAIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?v:0D00,0*18	5	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:24:07	263	A	1	IAIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?v:0D00,0*1E	7	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:24:09	338	B	1	IAIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>4?vB0D00,0*66	9	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:24:11	413	A	1	IAIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>4?vF0D00,0*60	11	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:24:13	488	B	1	IAIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?vJ0D00,0*6C	13	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:24:15	563	A	1	IAIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?vN0D00,0*6A	15	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:25:01	38	B	1	IAIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?v20<0V,0*78	1	50 52.194 N	1 14.6617 W	Slot No. = 38
13:25:03	113	A	1	IAIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?v60@1i,0*40	3	50 52.194 N	1 14.6617 W	Slot No. = 113
13:25:05	188	B	1	IAIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?v:0@2L,0*58	5	50 52.194 N	1 14.6617 W	Slot No. = 188
13:25:07	263	A	1	IAIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?v>0@47,0*1B	7	50 52.194 N	1 14.6617 W	Slot No. = 263
13:25:09	338	B	1	IAIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?vB0@5B,0*13	9	50 52.194 N	1 14.6617 W	Slot No. = 338
13:25:11	413	A	1	IAIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?vF0@6M,0*19	11	50 52.194 N	1 14.6617 W	Slot No. = 413
13:25:13	488	B	1	IAIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>4?vJ0@7,0*3D	13	50 52.194 N	1 14.6617 W	Slot No. = 488
13:25:15	563	A	1	IAIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>4?vN0@8k,0*3F	15	50 52.194 N	1 14.6617 W	Slot No. = 563
13:26:01	38	B	1	IAIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?v20<0,0*6C	1	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:26:03	113	A	1	IAIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?v60<0,0*6A	3	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:26:05	188	B	1	IAIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?v:0<0,0*6A	5	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:26:07	263	A	1	IAIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?v>0<0,0*6C	7	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:26:09	338	B	14	IAIVDM,1,1,0,B,>>M46T1<59B04=@UHF0,2*5D	-	-	-	-
13:26:11	413	A	14	IAIVDM,1,1,1,A,>>M46T1<59B04=@UHF0,2*5F	-	-	-	-
13:26:13	488	B	1	IAIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?vJ0<0,0*10	13	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:26:15	563	A	1	IAIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?vN0<0,0*16	15	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:27:01	38	B	1	IAIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>4?v2080V,0*0C	1	50 52.194 N	1 14.6617 W	Slot No. = 38
13:27:03	113	A	1	IAIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>4?v6081i,0*34	3	50 52.194 N	1 14.6617 W	Slot No. = 113
13:27:05	188	B	1	IAIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?v:082t,0*26	5	50 52.194 N	1 14.6617 W	Slot No. = 188
13:27:07	263	A	1	IAIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?v>0847,0*65	7	50 52.194 N	1 14.6617 W	Slot No. = 263
13:27:09	338	B	1	IAIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?vB085B,0*61	9	50 52.194 N	1 14.6617 W	Slot No. = 338
13:27:11	413	A	1	IAIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?vF086M,0*6B	11	50 52.194 N	1 14.6617 W	Slot No. = 413
13:27:13	488	B	1	IAIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?vJ087,0*41	13	50 52.194 N	1 14.6617 W	Slot No. = 488
13:27:15	563	A	1	IAIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?vN088k,0*43	15	50 52.194 N	1 14.6617 W	Slot No. = 563
13:28:01	38	B	1	IAIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?v205ah,0*68	1	50 52.194 N	1 14.6617 W	Time = 13:28
13:28:03	113	A	1	IAIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?v605ah,0*6E	3	50 52.194 N	1 14.6617 W	Time = 13:28
13:28:05	188	B	1	IAIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>4?v:05ah,0*66	5	50 52.194 N	1 14.6617 W	Time = 13:28
13:28:07	263	A	1	IAIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>4?v>05ah,0*60	7	50 52.194 N	1 14.6617 W	Time = 13:28
13:28:09	338	B	1	IAIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?vB05ah,0*1C	9	50 52.194 N	1 14.6617 W	Time = 13:28
13:28:11	413	A	1	IAIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?vF05ah,0*1A	11	50 52.194 N	1 14.6617 W	Time = 13:28
13:28:13	488	B	1	IAIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?vJ05ah,0*1A	13	50 52.194 N	1 14.6617 W	Time = 13:28
13:28:15	563	A	1	IAIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?vN05ah,0*1C	15	50 52.194 N	1 14.6617 W	Time = 13:28
13:29:01	38	B	1	IAIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?v200Ts,0*41	1	50 52.194 N	1 14.6617 W	slot offset = 2363
13:29:03	113	A	1	IAIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?v600Ts,0*47	3	50 52.194 N	1 14.6617 W	slot offset = 2363
13:29:05	188	B	1	IAIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?v:00Ts,0*4B	5	50 52.194 N	1 14.6617 W	slot offset = 2363
13:29:07	263	A	1	IAIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?v>00Ts,0*4D	7	50 52.194 N	1 14.6617 W	slot offset = 2363
13:29:09	338	B	1	IAIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>4?vB00Ts,0*35	9	50 52.194 N	1 14.6617 W	slot offset = 2363
13:29:11	413	A	1	IAIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>4?vF00Ts,0*33	11	50 52.194 N	1 14.6617 W	slot offset = 2363
13:29:13	488	B	1	IAIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?vJ00Ts,0*3F	13	50 52.194 N	1 14.6617 W	slot offset = 2363
13:29:15	563	A	1	IAIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?vN00Ts,0*39	15	50 52.194 N	1 14.6617 W	slot offset = 2363
13:30:04	151	B	1	IAIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?v80L00,0*18	4	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:30:06	226	A	1	IAIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?vJ0L00,0*1E	6	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:30:08	301	B	1	IAIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?v>0L00,0*68	8	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:30:10	376	A	1	IAIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?v20L00,0*6E	10	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:30:12	451	B	14	IAIVDM,1,1,2,B,>>M46T1<59B04=@UHF0,2*5F	-	-	-	-
13:30:14	526	A	14	IAIVDM,1,1,3,A,>>M46T1<59B04=@UHF0,2*5D	-	-	-	-
13:30:16	601	B	1	IAIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>4?vP0L00,0*7C	16	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:30:18	676	A	1	IAIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>4?vT0L00,0*7A	18	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:31:04	151	B	1	IAIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?v80H2G,0*67	4	50 52.194 N	1 14.6617 W	Slot No. = 151
13:31:06	226	A	1	IAIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?vJ0H2R,0*75	6	50 52.194 N	1 14.6617 W	Slot No. = 226
13:31:08	301	B	1	IAIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?v>0H4e,0*35	8	50 52.194 N	1 14.6617 W	Slot No. = 301
13:31:10	376	A	1	IAIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?vD0H5p,0*27	10	50 52.194 N	1 14.6617 W	Slot No. = 376
13:31:12	451	B	1	IAIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?vH0H73,0*60	12	50 52.194 N	1 14.6617 W	Slot No. = 451
13:31:14	526	A	1	IAIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?vL0H8,0*64	14	50 52.194 N	1 14.6617 W	Slot No. = 526
13:31:16	601	B	1	IAIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?vP0H91,0*0E	16	50 52.194 N	1 14.6617 W	Slot No. = 601
13:31:18	676	A	1	IAIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?vT0H.T,0*16	18	50 52.194 N	1 14.6617 W	Slot No. = 676
13:32:04	151	B	1	IAIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>4?v80D00,0*1C	4	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:32:06	226	A	1	IAIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>4?v>0D00,0*1A	6	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:32:08	301	B	1	IAIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?v>0D00,0*66	8	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:32:10	376	A	1	IAIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?vD0D00,0*60	10	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:32:12	451	B	1	IAIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?vH0D00,0*60	12	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:32:14	526	A	1	IAIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?vL0D00,0*66	14	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:32:16	601	B	1	IAIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?vP0D00,0*70	16	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:32:18	676	A	1	IAIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?vT0D00,0*76	18	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:33:04	151	B	1	IAIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?v80@2G,0*6B	4	50 52.194 N	1 14.6617 W	Slot No. = 151
13:33:06	226	A	1	IAIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?v>0@3R,0*79	6	50 52.194 N	1 14.6617 W	Slot No. = 226
13:33:08	301	B	1	IAIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>4?v>0@4e,0*31	8	50 52.194 N	1 14.6617 W	Slot No. = 301
13:33:10	376	A	1	IAIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>4?vD0@5p,0*23	10	50 52.194 N	1 14.6617 W	Slot No. = 376
13:33:12	451	B	1	IAIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?vH0@73,0*6E	12	50 52.194 N	1 14.6617 W	Slot No. = 451
13:33:14	526	A	1	IAIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?vL0@8,0*6A	14	50 52.194 N	1 14.6617 W	Slot No. = 526
13:33:16	601	B	1	IAIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?vP0@9l,0*0C	16	50 52.194 N	1 14.6617 W	Slot No. = 601
13:33:18	676	A	1	IAIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?vT0@T,0*14	18	50 52.194 N	1 14.6617 W	Slot No. = 676
13:34:04	151	B	1	IAIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?v80<0,0*60	4	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:34:06	226	A	1	IAIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?v>0<0,0*66	6	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:34:08	301	B	1	IAIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?v>0<0,0*1A	8	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:34:10	376	A	1	IAIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?vD0<0,0*1C	10	50 52.194 N	1 14.6617 W	Rx Stations = 0



Time	Slot	Chan	Msg	Sentence	Time Stamp	Latitude	Longitude	Sub Message
13:34:12	451	B	14	!AIVDM,1,1,4,B,>>M46T1<59B04=@UHF0,2*59	-	-	-	-
13:34:14	526	A	14	!AIVDM,1,1,5,A,>>M46T1<59B04=@UHF0,2*5B	-	-	-	-
13:34:16	601	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?vP0<00,0*0E	16	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:34:18	676	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?vT0<00,0*08	18	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:35:04	151	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?v8082G,0*19	4	50 52.194 N	1 14.6617 W	Slot No. = 151
13:35:06	226	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?v<083R,0*0B	6	50 52.194 N	1 14.6617 W	Slot No. = 226
13:35:08	301	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?v084e,0*4D	8	50 52.194 N	1 14.6617 W	Slot No. = 301
13:35:10	376	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?vD085p,0*5F	10	50 52.194 N	1 14.6617 W	Slot No. = 376
13:35:12	451	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?vH0873,0*12	12	50 52.194 N	1 14.6617 W	Slot No. = 451
13:35:14	526	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?vL088>,0*16	14	50 52.194 N	1 14.6617 W	Slot No. = 526
13:35:16	601	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>4?vP089i,0*78	16	50 52.194 N	1 14.6617 W	Slot No. = 601
13:35:18	676	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>4?vT08:T,0*60	18	50 52.194 N	1 14.6617 W	Slot No. = 676
13:36:04	151	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?v805b@,0*4D	4	50 52.194 N	1 14.6617 W	Time = 13:36
13:36:06	226	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?v<05b@,0*4B	6	50 52.194 N	1 14.6617 W	Time = 13:36
13:36:08	301	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?v@05b@,0*3B	8	50 52.194 N	1 14.6617 W	Time = 13:36
13:36:10	376	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?vD05b@,0*3D	10	50 52.194 N	1 14.6617 W	Time = 13:36
13:36:12	451	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?vH05b@,0*3B	12	50 52.194 N	1 14.6617 W	Time = 13:36
13:36:14	526	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?vL05b@,0*3D	14	50 52.194 N	1 14.6617 W	Time = 13:36
13:36:16	601	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?vP05b@,0*21	16	50 52.194 N	1 14.6617 W	Time = 13:36
13:36:18	676	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?vT05b@,0*27	18	50 52.194 N	1 14.6617 W	Time = 13:36
13:37:04	151	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>4?v800Pg,0*5F	4	50 52.194 N	1 14.6617 W	slot offset = 2095
13:37:06	226	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>4?v<00Pg,0*59	6	50 52.194 N	1 14.6617 W	slot offset = 2095
13:37:08	301	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?v@00Pg,0*25	8	50 52.194 N	1 14.6617 W	slot offset = 2095
13:37:10	376	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?vD00Pg,0*23	10	50 52.194 N	1 14.6617 W	slot offset = 2095
13:37:12	451	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?vH00Pg,0*23	12	50 52.194 N	1 14.6617 W	slot offset = 2095
13:37:14	526	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?vL00Pg,0*25	14	50 52.194 N	1 14.6617 W	slot offset = 2095
13:37:16	601	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?vP00Pg,0*33	16	50 52.194 N	1 14.6617 W	slot offset = 2095
13:37:18	676	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?vT00Pg,0*35	18	50 52.194 N	1 14.6617 W	slot offset = 2095
13:37:59	2246	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?vn0L00,0*45	59	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:38:01	71	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?v20L00,0*1A	1	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:38:04	150	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>4?v60L00,0*1A	3	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:38:06	225	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>4?v0L00,0*14	5	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:38:07	296	B	14	!AIVDM,1,1,6,B,>>M46T1<59B04=@UHF0,2*5B	-	-	-	-
13:38:09	371	A	14	!AIVDM,1,1,7,A,>>M46T1<59B04=@UHF0,2*59	-	-	-	-
13:38:12	450	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?vF0L00,0*66	11	50 52.194 N	1 14.6617 W	Rx Stations = 0
13:38:13	521	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?vJ0L00,0*68	13	50 52.194 N	1 14.6617 W	Rx Stations = 0

Table 9



IEC 61097-14:2010 - Message Content of Message 14 – Clause 8.2.4

Required Results

The following is required:

- a) Message ID = 14
- b) Repeat indicator = 0
- c) Source ID = as configured in the AIS-SART
- d) Text = "SART ACTIVE"

Test Results

Section	Requirement	Verdict
a)	Message ID = 14	Pass
b)	Repeat indicator = 0	Pass
c)	Source ID = as configured in the AIS-SART	Pass
d)	Text = "SART ACTIVE"	Pass

Table 10

Transmitted Messages				
Time	Slot	Chan	Msg	Sentence
13:10:12	482	B	14	!AIVDM,1,1,2,B,>>M46T1<59B04=@UHF0,2*5F
13:10:14	557	A	14	!AIVDM,1,1,3,A,>>M46T1<59B04=@UHF0,2*5D
13:14:12	450	B	14	!AIVDM,1,1,4,B,>>M46T1<59B04=@UHF0,2*59
13:14:14	525	A	14	!AIVDM,1,1,5,A,>>M46T1<59B04=@UHF0,2*5B

Table 11

Message 14 Decode: Text Message	
!AIVDM,1,1,2,B,>>M46T1<59B04=@UHF0,2*5F	
Parameter	Decoded Value
Message ID	14
Repeat Indicator	0
MMSI	970000016
Spare	0
Safety related text	SART ACTIVE

Table 12



IEC 61097-14:2010 - Transmission Schedule for Message 1 – Clause 8.2.5

Required Results

For position reports transmitted after 15 min and before 40 min the following applies.

- a) Verify that the AIS-SART has operated in sync mode 0 (UTC direct).
- b) The AIS-SART transmits one burst of messages once per minute.
- c) The duration of a burst is 14 s.
- d) A burst consists of 8 messages.
- e) The transmissions in a burst are alternating between AIS 1 and AIS 2.
- f) Consecutive messages are 75 slots apart and on the other channel.
- g) The same set of slots are used in each burst for 8 min.
- h) A new set of slots is randomly selected after 8 min.
- i) The first slot of the new set of slots is within the interval of 1 min +/- 6 s from the first slot of the previous set of slots, that is the increment is randomly selected in the range 2 025 to 2 475 slots.
- j) The manufacturer is to provide documentation on how the increment is selected randomly.

Test Results

Section	Requirement	Result	Verdict
a)	Verify that the EUT operated in sync mode 0 (UTC direct).	EUT had Sync mode 0 throughout test	Pass
b)	Confirm that the AIS SART transmits one burst of messages once per minute.	There is a burst of 8 messages every minute	Pass
c)	Confirm that the duration of a burst is 14 seconds.	The burst of 8 messages is over a period of 14 seconds	Pass
d)	Confirm that a burst consists of 8 messages.	There are 8 messages in each burst	Pass
e)	Verify that the transmissions in a burst are alternating between AIS 1 and AIS 2.	Channels alternate between AIS 1 and 2	Pass
f)	Consecutive messages are 75 slots apart and on the other channel.	Messages in the burst are 75 slots apart	Pass
g)	The same set of slots are used in each burst for 8 min.	Slots are reused until the slot times out	Pass
h)	A new set of slots is randomly selected after 8 min.	New slots are allocated after 8 minutes	Pass
i)	The first slot of the new set of slots is within the interval of 1 min $\pm$ 6 s from the first slot of the previous set of slots, that is the increment is randomly selected in the range of 2025 to 2475 slots.	Slot allocation is correct when slot reservation times out	Pass
j)	The manufacturer is to provide documentation on how the increment is selected randomly.	Customer has explained how the random number generation works in document "S200 AIS SART AIS Random Interval Generation" the EUT uses a Mersenne twister pseudo random number generator.	Pass

Table 13



Time	Slot	Chan	Msg	Sentence	Sync State	Slot Timeout	Sub Message
13:03:08	333	B	1	!AIVDM,1,1,2,B,1>M46T>P01wrCLBM6r>v4?v@085=.0*58	0	2	Slot No. = 333
13:03:10	408	A	1	!AIVDM,1,1,3,A,1>M46T>P01wrCLBM6r>f4?vD086H,0*38	0	2	Slot No. = 408
13:03:12	483	B	1	!AIVDM,1,1,4,B,1>M46T>P01wrCL@M6r>N4?vH087S,0*00	0	2	Slot No. = 483
13:03:14	558	A	1	!AIVDM,1,1,5,A,1>M46T>P01wrCL@M6r>N4?vL088f,0*3C	0	2	Slot No. = 558
13:03:17	637	B	1	!AIVDM,1,1,6,B,1>M46T>P01wrCL@M6r>N4?vP089q,0*36	0	2	Slot No. = 633
13:03:18	708	A	1	!AIVDM,1,1,7,A,1>M46T>P01wrCL@M6r>N4?vT08:4,0*77	0	2	Slot No. = 708
13:03:20	783	B	1	!AIVDM,1,1,8,B,1>M46T>P01wrCL.M6r>f4?v'08<?,0*12	0	2	Slot No. = 783
13:03:22	858	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL.M6r>N4?vd08=J,0*49	0	2	Slot No. = 858
13:04:08	333	B	1	!AIVDM,1,1,0,B,1>M46T>P01wrCKrM6r>v4?v@05'@,0*4D	0	1	Time = 13:04
13:04:10	408	A	1	!AIVDM,1,1,1,A,1>M46T>P01wrCKrM6r>v4?vD05'@,0*4B	0	1	Time = 13:04
13:04:12	483	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCKvM6r>v4?vH05'@,0*0D	0	1	Time = 13:04
13:04:14	558	A	1	!AIVDM,1,1,3,A,1>M46T>P01wrCL0M6r>N4?vL05'@,0*3B	0	1	Time = 13:04
13:04:16	633	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL4M6r>N4?vP05'@,0*26	0	1	Time = 13:04
13:04:19	712	A	1	!AIVDM,1,1,5,A,1>M46T>P01wrCL4M6r>v4?vT05'@,0*51	0	1	Time = 13:04
13:04:20	783	B	1	!AIVDM,1,1,6,B,1>M46T>P01wrCL6M6r>v4?v'05'@,0*67	0	1	Time = 13:04
13:04:22	858	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL4M6r>v4?vD05'@,0*62	0	1	Time = 13:04
13:05:08	333	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL.M6r>N4?v@00Pk,0*28	0	0	Slot offset = 2099
13:05:10	408	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL.M6r>v4?vD00Pk,0*5E	0	0	Slot offset = 2099
13:05:12	483	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL.M6r>v4?vH00Pk,0*58	0	0	Slot offset = 2099
13:05:14	558	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL.M6r>v4?vL00Pk,0*5E	0	0	Slot offset = 2099
13:05:16	633	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL.M6r>v4?vP00Pk,0*42	0	0	Slot offset = 2099
13:05:18	708	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL.M6r>v4?vT00Pk,0*44	0	0	Slot offset = 2099
13:05:20	783	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL.M6r>v4?v'00Pk,0*74	0	0	Slot offset = 2099
13:05:22	858	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL.M6r>v4?vD00Pk,0*72	0	0	Slot offset = 2099
13:06:04	182	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL.M6r>v4?v80L00,0*69	0	7	Rx Stations = 0
13:06:06	257	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL.M6r>v4?v<0L00,0*6F	0	7	Rx Stations = 0
13:06:08	332	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL.M6r>v4?v@0L00,0*1F	0	7	Rx Stations = 0
13:06:10	407	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL.M6r>v4?vD0L00,0*19	0	7	Rx Stations = 0
13:06:12	482	B	14	!AIVDM,1,1,0,B,>>M46T1<59B04=@UHF0,2*5D	-	-	-
13:06:14	557	A	14	!AIVDM,1,1,1,A,>>M46T1<59B04=@UHF0,2*5F	-	-	-
13:06:16	632	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL.M6r>v4?vP0L00,0*05	0	7	Rx Stations = 0
13:06:18	707	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL.M6r>v4?vT0L00,0*03	0	7	Rx Stations = 0
13:07:04	182	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCLM6r>v4?v80H2n,0*47	0	6	Slot No. = 182
13:07:06	257	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCLM6r>v4?v<0H41,0*53	0	6	Slot No. = 257
13:07:08	332	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCLM6r>v4?v@0H5<,0*6C	0	6	Slot No. = 332
13:07:10	407	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCLFM6r>v4?vD0H6G,0*53	0	6	Slot No. = 407
13:07:12	482	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCLDM6r>v4?vH0H7R,0*45	0	6	Slot No. = 482
13:07:14	557	A	1	!AIVDM,1,1,9,A,1>M46T>P01wrCLBM6r>v4?vL0H8e,0*7C	0	6	Slot No. = 557
13:07:16	632	B	1	!AIVDM,1,1,0,B,1>M46T>P01wrCL>M6r>f4?vP0H9p,0*12	0	6	Slot No. = 632
13:07:18	707	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL.M6r>N4?vT0H;3,0*78	0	6	Slot No. = 707
13:08:04	182	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCKrM6r>v4?v80D00,0*2B	0	5	Rx Stations = 0
13:08:06	257	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCKrM6r>v4?v<0D00,0*5D	0	5	Rx Stations = 0
13:08:08	332	B	1	!AIVDM,1,1,4,B,1>M46T>P01wrCKrM6r>v4?v@0D00,0*24	0	5	Rx Stations = 0
13:08:10	407	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCKrM6r>v4?vD0D00,0*23	0	5	Rx Stations = 0
13:08:12	482	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCKrM6r>v4?vH0D00,0*07	0	5	Rx Stations = 0
13:08:14	557	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCKrM6r>v4?vL0D00,0*07	0	5	Rx Stations = 0
13:08:16	632	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCKvM6r>v4?vP0D00,0*3D	0	5	Rx Stations = 0
13:08:18	707	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL0M6r>v4?vT0D00,0*7A	0	5	Rx Stations = 0
13:09:04	182	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL<M6rA>v4?v80@2n,0*46	0	4	Slot No. = 182
13:09:06	257	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL<M6rA>v4?v<0@41,0*19	0	4	Slot No. = 257
13:09:08	332	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL<M6rA>v4?v@0@5<,0*69	0	4	Slot No. = 332
13:09:10	407	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL<M6rA>v4?vD0@6G,0*17	0	4	Slot No. = 407
13:09:12	482	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL@M6rA>v4?vH0@7R,0*77	0	4	Slot No. = 482
13:09:14	557	A	1	!AIVDM,1,1,5,A,1>M46T>P01wrCL@M6rAN4?vL0@8e,0*38	0	4	Slot No. = 557
13:09:16	632	B	1	!AIVDM,1,1,6,B,1>M46T>P01wrCL@M6rAN4?vP0@9p,0*30	0	4	Slot No. = 632
13:09:18	707	A	1	!AIVDM,1,1,7,A,1>M46T>P01wrCLBM6rAN4?vT0@;3,0*75	0	4	Slot No. = 707
13:10:04	182	B	1	!AIVDM,1,1,8,B,1>M46T>P01wrCLPM6r>v4?v80<00,0*02	0	3	Rx Stations = 0
13:10:06	257	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCLHm6r>v4?v<0<00,0*65	0	3	Rx Stations = 0
13:10:08	332	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCLJm6rA>v4?v@0<00,0*48	0	3	Rx Stations = 0
13:10:10	407	A	1	!AIVDM,1,1,1,A,1>M46T>P01wrCLm6rAN4?vD0<00,0*39	0	3	Rx Stations = 0
13:10:12	482	B	14	!AIVDM,1,1,2,B,>>M46T1<59B04=@UHF0,2*5F	-	-	-
13:10:14	557	A	14	!AIVDM,1,1,3,A,>>M46T1<59B04=@UHF0,2*5D	-	-	-
13:10:16	632	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCLpM6rAN4?vP0<00,0*36	0	3	Rx Stations = 0
13:10:18	707	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCLpM6rAN4?vT0<00,0*30	0	3	Rx Stations = 0
13:11:04	182	B	1	!AIVDM,1,1,6,B,1>M46T>P01wrCLRM6rC>v4?v8082n,0*55	0	2	Slot No. = 182
13:11:06	257	A	1	!AIVDM,1,1,7,A,1>M46T>P01wrCLRM6rC>v4?v<0841,0*0A	0	2	Slot No. = 257
13:11:08	332	B	1	!AIVDM,1,1,8,B,1>M46T>P01wrCLRM6rC>v4?v@085<,0*76	0	2	Slot No. = 332
13:11:10	407	A	1	!AIVDM,1,1,9,A,1>M46T>P01wrCLRM6rC>v4?vD086G,0*08	0	2	Slot No. = 407
13:11:12	482	B	1	!AIVDM,1,1,0,B,1>M46T>P01wrCLRM6rC>v4?vH087R,0*1A	0	2	Slot No. = 482
13:11:14	557	A	1	!AIVDM,1,1,1,A,1>M46T>P01wrCLRM6rC>v4?vL088e,0*24	0	2	Slot No. = 557
13:11:16	632	B	1	!AIVDM,1,1,2,B,1>M46T>P01wrCLRM6rC>v4?vP089p,0*2C	0	2	Slot No. = 632
13:11:18	707	A	1	!AIVDM,1,1,3,A,1>M46T>P01wrCLPM6rBv4?vT08;3,0*20	0	2	Slot No. = 707
13:12:04	182	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCLNM6rFN4?v805'h,0*66	0	1	Time = 13:12
13:12:06	257	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCLJM6rF>v4?v<05'h,0*14	0	1	Time = 13:12
13:12:08	332	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCLHM6rF>v4?v@05'h,0*6A	0	1	Time = 13:12
13:12:10	407	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCLHM6rF>v4?vD05'h,0*6C	0	1	Time = 13:12
13:12:12	482	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCLHM6rF>v4?vH05'h,0*6C	0	1	Time = 13:12
13:12:14	557	A	1	!AIVDM,1,1,9,A,1>M46T>P01wrCLDM6rEv4?vL05'h,0*2C	0	1	Time = 13:12
13:12:16	632	B	1	!AIVDM,1,1,0,B,1>M46T>P01wrCLBM6rEN4?vP05'h,0*04	0	1	Time = 13:12
13:12:18	707	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL@M6rEN4?vT05'h,0*01	0	1	Time = 13:12



Time	Slot	Chan	Msg	Sentence	Sync State	Slot Timeout	Sub Message
13:13:04	182	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>47v800Rb,0*5E	0	0	Slot offset = 2218
13:13:06	257	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>47v<00Rb,0*58	0	0	Slot offset = 2218
13:13:08	332	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>47v<00Rb,0*20	0	0	Slot offset = 2218
13:13:10	407	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>47vD00Rb,0*26	0	0	Slot offset = 2218
13:13:12	482	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>47vH00Rb,0*2A	0	0	Slot offset = 2218
13:13:14	557	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>47vL00Rb,0*2C	0	0	Slot offset = 2218
13:13:16	632	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>47vP00Rb,0*3C	0	0	Slot offset = 2218
13:13:18	707	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>47vT00Rb,0*3A	0	0	Slot offset = 2218
13:14:04	150	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>47v80L00,0*10	0	7	Rx Stations = 0
13:14:06	225	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>47v<0L00,0*16	0	7	Rx Stations = 0
13:14:08	300	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>47v<0L00,0*6A	0	7	Rx Stations = 0
13:14:10	375	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>47vD0L00,0*6C	0	7	Rx Stations = 0
13:14:12	450	B	14	!AIVDM,1,1,4,B,>>M46T1<59B04=@UHF0,2*59	-	-	-
13:14:14	525	A	14	!AIVDM,1,1,5,A,>>M46T1<59B04=@UHF0,2*5B	-	-	-
13:14:16	600	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>47vP0L00,0*7E	0	7	Rx Stations = 0
13:14:18	675	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>47vT0L00,0*78	0	7	Rx Stations = 0
13:15:04	150	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>47v80H2F,0*68	0	6	Slot No. = 150
13:15:06	225	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>47v<0H3Q,0*78	0	6	Slot No. = 225
13:15:08	300	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>47v<0H4d,0*3C	0	6	Slot No. = 300
13:15:10	375	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>47vD0H5a,0*30	0	6	Slot No. = 375
13:15:12	450	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>47vH0H72,0*63	0	6	Slot No. = 450
13:15:14	525	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>47vL0H8=,0*65	0	6	Slot No. = 525
13:15:16	600	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>47vP0H9H,0*09	0	6	Slot No. = 600
13:15:18	675	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>47vT0H:S,0*17	0	6	Slot No. = 675
13:16:04	150	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>47v80D00,0*1E	0	5	Rx Stations = 0
13:16:06	225	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>47v<0D00,0*18	0	5	Rx Stations = 0
13:16:08	300	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>47v<0D00,0*68	0	5	Rx Stations = 0
13:16:10	375	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>47vD0D00,0*6E	0	5	Rx Stations = 0
13:16:12	450	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>47vH0D00,0*68	0	5	Rx Stations = 0
13:16:14	525	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>47vL0D00,0*6E	0	5	Rx Stations = 0
13:16:16	600	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>47vP0D00,0*72	0	5	Rx Stations = 0
13:16:18	675	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>47vT0D00,0*74	0	5	Rx Stations = 0
13:17:04	150	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>47v80<@2F,0*6C	0	4	Slot No. = 150
13:17:06	225	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>47v<0@3Q,0*7C	0	4	Slot No. = 225
13:17:08	300	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>47v<0@4d,0*32	0	4	Slot No. = 300
13:17:10	375	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>47vD0<@5a,0*3E	0	4	Slot No. = 375
13:17:12	450	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>47vH0<@72,0*61	0	4	Slot No. = 450
13:17:14	525	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>47vL0<@8=,0*67	0	4	Slot No. = 525
13:17:16	600	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>47vP0<@9H,0*05	0	4	Slot No. = 600
13:17:18	675	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>47vT0<@S,0*1B	0	4	Slot No. = 675
13:18:04	150	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>47v80<00,0*62	0	3	Rx Stations = 0
13:18:06	225	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>47v<0<00,0*64	0	3	Rx Stations = 0
13:18:08	300	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>47v<0<00,0*1C	0	3	Rx Stations = 0
13:18:10	375	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>47vD0<00,0*1A	0	3	Rx Stations = 0
13:18:12	450	B	14	!AIVDM,1,1,6,B,>>M46T1<59B04=@UHF0,2*5B	-	-	-
13:18:14	525	A	14	!AIVDM,1,1,7,A,>>M46T1<59B04=@UHF0,2*59	-	-	-
13:18:16	600	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>47vP0<00,0*00	0	3	Rx Stations = 0
13:18:18	675	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>47vT0<00,0*06	0	3	Rx Stations = 0
13:19:04	150	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>47v8082F,0*10	0	2	Slot No. = 150
13:19:06	225	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>47v<083Q,0*00	0	2	Slot No. = 225
13:19:08	300	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>47v<084d,0*4E	0	2	Slot No. = 300
13:19:10	375	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>47vD085a,0*42	0	2	Slot No. = 375
13:19:12	450	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>47vH0872,0*15	0	2	Slot No. = 450
13:19:14	525	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>47vL088=,0*13	0	2	Slot No. = 525
13:19:16	600	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>47vP089H,0*7B	0	2	Slot No. = 600
13:19:18	675	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>47vT08:S,0*65	0	2	Slot No. = 675
13:20:04	150	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>47v805a@,0*40	0	1	Time = 13:20
13:20:06	225	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>47v<05a@,0*46	0	1	Time = 13:20
13:20:08	300	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>47v<05a@,0*30	0	1	Time = 13:20
13:20:10	375	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>47vD05a@,0*36	0	1	Time = 13:20
13:20:12	450	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>47vH05a@,0*3A	0	1	Time = 13:20
13:20:14	525	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>47vL05a@,0*3C	0	1	Time = 13:20
13:20:16	600	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>47vP05a@,0*24	0	1	Time = 13:20
13:20:18	675	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>47vT05a@,0*22	0	1	Time = 13:20
13:21:04	150	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>47v800QJ,0*71	0	0	slot offset = 2138
13:21:06	225	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>47v<00QJ,0*77	0	0	slot offset = 2138
13:21:08	300	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>47v<00QJ,0*07	0	0	slot offset = 2138
13:21:10	375	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>47vD00QJ,0*01	0	0	slot offset = 2138
13:21:12	450	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>47vH00QJ,0*07	0	0	slot offset = 2138
13:21:14	525	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>47vL00QJ,0*01	0	0	slot offset = 2138
13:21:16	600	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>47vP00QJ,0*1D	0	0	slot offset = 2138
13:21:18	675	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>47vT00QJ,0*1B	0	0	slot offset = 2138
13:22:01	38	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>47v20L00,0*1E	0	7	Rx Stations = 0
13:22:03	113	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>47v60L00,0*18	0	7	Rx Stations = 0
13:22:05	188	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>47v<0L00,0*14	0	7	Rx Stations = 0
13:22:07	263	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>47v<0L00,0*12	0	7	Rx Stations = 0
13:22:09	338	B	14	!AIVDM,1,1,8,B,>>M46T1<59B04=@UHF0,2*55	-	-	-
13:22:11	413	A	14	!AIVDM,1,1,9,A,>>M46T1<59B04=@UHF0,2*57	-	-	-
13:22:13	488	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>47vJ0L00,0*62	0	7	Rx Stations = 0
13:22:15	563	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>47vN0L00,0*64	0	7	Rx Stations = 0
13:23:01	38	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>47v20H0V,0*7A	0	6	Slot No. = 38
13:23:03	113	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>47v60H1i,0*42	0	6	Slot No. = 113



Time	Slot	Chan	Msg	Sentence	Sync State	Slot Timeout	Sub Message
13:23:05	188	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>47v:0H2t,0*54	0	6	Slot No. = 188
13:23:07	263	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>47v:0H47,0*17	0	6	Slot No. = 263
13:23:09	338	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>47vB0H5B,0*1F	0	6	Slot No. = 338
13:23:11	413	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>47vF0H6M,0*15	0	6	Slot No. = 413
13:23:13	488	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>47vJ0H7,0*39	0	6	Slot No. = 488
13:23:15	563	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>47vN0H8k,0*3B	0	6	Slot No. = 563
13:24:01	38	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>47v20D00,0*12	0	5	Rx Stations = 0
13:24:03	113	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>47v60D00,0*14	0	5	Rx Stations = 0
13:24:05	188	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>47v:0D00,0*18	0	5	Rx Stations = 0
13:24:07	263	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>47v:0D00,0*1E	0	5	Rx Stations = 0
13:24:09	338	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>47vB0D00,0*66	0	5	Rx Stations = 0
13:24:11	413	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>47vF0D00,0*60	0	5	Rx Stations = 0
13:24:13	488	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>47vJ0D00,0*6C	0	5	Rx Stations = 0
13:24:15	563	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>47vN0D00,0*6A	0	5	Rx Stations = 0
13:25:01	38	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>47v20@0V,0*78	0	4	Slot No. = 38
13:25:03	113	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>47v60@1i,0*40	0	4	Slot No. = 113
13:25:05	188	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>47v:0@2t,0*58	0	4	Slot No. = 188
13:25:07	263	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>47v:0@47,0*1B	0	4	Slot No. = 263
13:25:09	338	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>47vB0@5B,0*13	0	4	Slot No. = 338
13:25:11	413	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>47vF0@6M,0*19	0	4	Slot No. = 413
13:25:13	488	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>47vJ0@7,0*3D	0	4	Slot No. = 488
13:25:15	563	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>47vN0@8k,0*3F	0	4	Slot No. = 563
13:26:01	38	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>47v20<00,0*6C	0	3	Rx Stations = 0
13:26:03	113	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>47v60<00,0*6A	0	3	Rx Stations = 0
13:26:05	188	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>47v:0<00,0*6A	0	3	Rx Stations = 0
13:26:07	263	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>47v>0<00,0*6C	0	3	Rx Stations = 0
13:26:09	338	B	14	!AIVDM,1,1,0,B,>>M46T1<59B04=@UHF0,2*5D	-	-	-
13:26:11	413	A	14	!AIVDM,1,1,1,A,>>M46T1<59B04=@UHF0,2*5F	-	-	-
13:26:13	488	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>47vJ0<00,0*10	0	3	Rx Stations = 0
13:26:15	563	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>47vN0<00,0*16	0	3	Rx Stations = 0
13:27:01	38	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>47v2080V,0*0C	0	2	Slot No. = 38
13:27:03	113	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>47v60811,0*34	0	2	Slot No. = 113
13:27:05	188	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>47v:082t,0*26	0	2	Slot No. = 188
13:27:07	263	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>47v:0847,0*65	0	2	Slot No. = 263
13:27:09	338	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>47vB085B,0*61	0	2	Slot No. = 338
13:27:11	413	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>47vF086M,0*6B	0	2	Slot No. = 413
13:27:13	488	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>47vJ087,0*41	0	2	Slot No. = 488
13:27:15	563	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>47vN088k,0*43	0	2	Slot No. = 563
13:28:01	38	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>47v205ah,0*68	0	1	Time = 13:28
13:28:03	113	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>47v605ah,0*6E	0	1	Time = 13:28
13:28:05	188	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>47v:05ah,0*66	0	1	Time = 13:28
13:28:07	263	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>47v>05ah,0*60	0	1	Time = 13:28
13:28:09	338	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>47vB05ah,0*1C	0	1	Time = 13:28
13:28:11	413	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>47vF05ah,0*1A	0	1	Time = 13:28
13:28:13	488	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>47vJ05ah,0*1A	0	1	Time = 13:28
13:28:15	563	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>47vN05ah,0*1C	0	1	Time = 13:28
13:29:01	38	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>47v200Ts,0*41	0	0	slot offset = 2363
13:29:03	113	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>47v600Ts,0*47	0	0	slot offset = 2363
13:29:05	188	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>47v:00Ts,0*4B	0	0	slot offset = 2363
13:29:07	263	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>47v>00Ts,0*4D	0	0	slot offset = 2363
13:29:09	338	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>47vB00Ts,0*35	0	0	slot offset = 2363
13:29:11	413	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>47vF00Ts,0*33	0	0	slot offset = 2363
13:29:13	488	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>47vJ00Ts,0*3F	0	0	slot offset = 2363
13:29:15	563	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>47vN00Ts,0*39	0	0	slot offset = 2363
13:30:04	151	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>47v80L00,0*18	0	7	Rx Stations = 0
13:30:06	226	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>47v<0L00,0*1E	0	7	Rx Stations = 0
13:30:08	301	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>47v<0L00,0*68	0	7	Rx Stations = 0
13:30:10	376	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>47vD0L00,0*6E	0	7	Rx Stations = 0
13:30:12	451	B	14	!AIVDM,1,1,2,B,>>M46T1<59B04=@UHF0,2*5F	-	-	-
13:30:14	526	A	14	!AIVDM,1,1,3,A,>>M46T1<59B04=@UHF0,2*5D	-	-	-
13:30:16	601	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>47vP0L00,0*7C	0	7	Rx Stations = 0
13:30:18	676	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>47vT0L00,0*7A	0	7	Rx Stations = 0
13:31:04	151	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>47v80H2G,0*67	0	6	Slot No. = 151
13:31:06	226	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>47v<0H3R,0*75	0	6	Slot No. = 226
13:31:08	301	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>47v@0H4e,0*35	0	6	Slot No. = 301
13:31:10	376	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>47vD0H5p,0*27	0	6	Slot No. = 376
13:31:12	451	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>47vH0H73,0*60	0	6	Slot No. = 451
13:31:14	526	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>47vL0H8>,0*64	0	6	Slot No. = 526
13:31:16	601	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>47vP0H9I,0*0E	0	6	Slot No. = 601
13:31:18	676	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>47vT0H:T,0*16	0	6	Slot No. = 676
13:32:04	151	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>47v80D00,0*1C	0	5	Rx Stations = 0
13:32:06	226	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>47v<0D00,0*1A	0	5	Rx Stations = 0
13:32:08	301	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>47v@0D00,0*66	0	5	Rx Stations = 0
13:32:10	376	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>47vD0D00,0*60	0	5	Rx Stations = 0
13:32:12	451	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>47vH0D00,0*60	0	5	Rx Stations = 0
13:32:14	526	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>47vL0D00,0*66	0	5	Rx Stations = 0
13:32:16	601	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>47vP0D00,0*70	0	5	Rx Stations = 0
13:32:18	676	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>47vT0D00,0*76	0	5	Rx Stations = 0
13:33:04	151	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>47v80@2G,0*6B	0	4	Slot No. = 151
13:33:06	226	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>47v<0@3R,0*79	0	4	Slot No. = 226
13:33:08	301	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>47v@0@4e,0*31	0	4	Slot No. = 301
13:33:10	376	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>47vD0@5p,0*23	0	4	Slot No. = 376



Time	Slot	Chan	Msg	Sentence	Sync State	Slot Timeout	Sub Message
13:33:12	451	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?vH0@73,0*6E	0	4	Slot No. = 451
13:33:14	526	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?vL0@8>0*6A	0	4	Slot No. = 526
13:33:16	601	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?vP0@9I,0*0C	0	4	Slot No. = 601
13:33:18	676	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?vT0@:T,0*14	0	4	Slot No. = 676
13:34:04	151	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?v80<00,0*60	0	3	Rx Stations = 0
13:34:06	226	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?v<0<00,0*66	0	3	Rx Stations = 0
13:34:08	301	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?v@0<00,0*1A	0	3	Rx Stations = 0
13:34:10	376	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?vD0<00,0*1C	0	3	Rx Stations = 0
13:34:12	451	B	14	!AIVDM,1,1,4,B,>>M46T1<59B04=@UHF0,2*59	-	-	-
13:34:14	526	A	14	!AIVDM,1,1,5,A,>>M46T1<59B04=@UHF0,2*5B	-	-	-
13:34:16	601	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?vP0<00,0*0E	0	3	Rx Stations = 0
13:34:18	676	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?vT0<00,0*08	0	3	Rx Stations = 0
13:35:04	151	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?v8082G,0*19	0	2	Slot No. = 151
13:35:06	226	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?v<083R,0*0B	0	2	Slot No. = 226
13:35:08	301	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?v@084e,0*4D	0	2	Slot No. = 301
13:35:10	376	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?vD085p,0*5F	0	2	Slot No. = 376
13:35:12	451	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?vH0873,0*12	0	2	Slot No. = 451
13:35:14	526	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?vL088>,0*16	0	2	Slot No. = 526
13:35:16	601	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>4?vP089I,0*78	0	2	Slot No. = 601
13:35:18	676	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>4?vT08:T,0*60	0	2	Slot No. = 676
13:36:04	151	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?v805b@,0*4D	0	1	Time = 13:36
13:36:06	226	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?v<05b@,0*4B	0	1	Time = 13:36
13:36:08	301	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?v@05b@,0*3B	0	1	Time = 13:36
13:36:10	376	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?vD05b@,0*3D	0	1	Time = 13:36
13:36:12	451	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?vH05b@,0*3B	0	1	Time = 13:36
13:36:14	526	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?vL05b@,0*3D	0	1	Time = 13:36
13:36:16	601	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?vP05b@,0*21	0	1	Time = 13:36
13:36:18	676	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?vT05b@,0*27	0	1	Time = 13:36

Table 14

IEC 61097-14:2010 - Communication State of Message 1 – Clause 8.2.6

Required Results

For position reports transmitted after 15 min and before 40 min the following applies.

- The SOTDMA communication state as defined for message 1 is used.
- The sync state = 0.
- The time-out starts with 7 for all messages of the first burst after a change in slots.
- The time-out value is decremented by 1 for each frame.
- The time-out value is reset to 7 after time-out = 0.
- The sub message for time-out 3,5,7 = number of received stations (0).
- The sub message for time-out 2,4,6 = slot number.
- The sub message for time-out 1 = UTC hour and minute.
- The sub message for time-out 0 = slot offset to the transmission slot in the next frame.

Test Results

Clause	Requirement	Verdict
a)	The SOTDMA communication state as defined for message 1 is used.	Pass
b)	The sync state = 0.	Pass
c)	The time-out starts with 7 for all messages of the first burst after a change in slots.	Pass
d)	The time-out value is decremented by 1 for each frame.	Pass
e)	The time-out value is reset to 7 after time-out = 0.	Pass
f)	The sub message for time-out 3,5,7 = number of received stations (0).	Pass
g)	The sub message for time-out 2,4,6 = slot number.	Pass
h)	The sub message for time-out 1 = UTC hour and minute.	Pass
i)	The sub message for time-out 0 = slot offset to the transmission slot in the next frame.	Pass

Table 15



Time	Slot	Chan	Msg	Sentence	Sync State	Slot Time out	Sub Message	Comment
13:05:08	333	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL:M6r>N4?v@00Pk,0*28	0	0	Slot offset = 2099	Next slot = 182
13:05:10	408	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL:M6r>>4?vD00Pk,0*5E	0	0	Slot offset = 2099	Next slot = 257
13:05:12	483	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL:M6r>>4?vH00Pk,0*58	0	0	Slot offset = 2099	Next slot = 332
13:05:14	558	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL:M6r>>4?vL00Pk,0*5E	0	0	Slot offset = 2099	Next slot = 407
13:05:16	633	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL:M6r>>4?vP00Pk,0*42	0	0	Slot offset = 2099	Next slot = 482
13:05:18	708	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL:M6r>>4?vT00Pk,0*44	0	0	Slot offset = 2099	Next slot = 557
13:05:20	783	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL:M6r>>4?v'00Pk,0*74	0	0	Slot offset = 2099	Next slot = 632
13:05:22	858	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL:M6r>>4?vd00Pk,0*72	0	0	Slot offset = 2099	Next slot = 707
13:06:04	182	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL:M6r>>4?v80L00,0*69	0	7	Rx Stations = 0	
13:06:06	257	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL:M6r>>4?v<0L00,0*6F	0	7	Rx Stations = 0	
13:06:08	332	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL:M6r>>4?v<0L00,0*1F	0	7	Rx Stations = 0	
13:06:10	407	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL:M6r>>4?vD0L00,0*19	0	7	Rx Stations = 0	
13:06:12	482	B	14	!AIVDM,1,1,0,B,>>M46T1<59B04=@UHF0,2*5D	-	-	-	
13:06:14	557	A	14	!AIVDM,1,1,1,A,>>M46T1<59B04=@UHF0,2*5F	-	-	-	
13:06:16	632	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL:M6r>>4?vP0L00,0*05	0	7	Rx Stations = 0	
13:06:18	707	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL:M6r>>4?vT0L00,0*03	0	7	Rx Stations = 0	
13:07:04	182	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL:M6r>>4?v80H2n,0*47	0	6	Slot No. = 182	
13:07:06	257	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL:M6r>>4?v<0H41,0*53	0	6	Slot No. = 257	
13:07:08	332	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL:M6r>>4?v<0H5<,0*6C	0	6	Slot No. = 332	
13:07:10	407	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL:M6r>>4?vD0H6G,0*53	0	6	Slot No. = 407	
13:07:12	482	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL:M6r>>4?vH0H7R,0*45	0	6	Slot No. = 482	
13:07:14	557	A	1	!AIVDM,1,1,9,A,1>M46T>P01wrCL:M6r>>4?vL0H8e,0*7C	0	6	Slot No. = 557	
13:07:16	632	B	1	!AIVDM,1,1,0,B,1>M46T>P01wrCL:M6r>>4?vP0H9p,0*12	0	6	Slot No. = 632	
13:07:18	707	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL:M6r>>4?vT0H;3,0*78	0	6	Slot No. = 707	
13:08:04	182	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL:M6r>>4?v80D00,0*2B	0	5	Rx Stations = 0	
13:08:06	257	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL:M6r>>4?v<0D00,0*5D	0	5	Rx Stations = 0	
13:08:08	332	B	1	!AIVDM,1,1,4,B,1>M46T>P01wrCL:M6r>>4?v<0D00,0*24	0	5	Rx Stations = 0	
13:08:10	407	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL:M6r>>4?vD0D00,0*23	0	5	Rx Stations = 0	
13:08:12	482	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL:M6r>>4?vH0D00,0*07	0	5	Rx Stations = 0	
13:08:14	557	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL:M6r>>4?vL0D00,0*07	0	5	Rx Stations = 0	
13:08:16	632	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL:M6r>>4?vP0D00,0*3D	0	5	Rx Stations = 0	
13:08:18	707	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL:M6r>>4?vT0D00,0*7A	0	5	Rx Stations = 0	
13:09:04	182	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL:M6r>>4?v80@2n,0*46	0	4	Slot No. = 182	
13:09:06	257	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL:M6r>>4?v<0@41,0*19	0	4	Slot No. = 257	
13:09:08	332	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL:M6r>>4?v<0@5<,0*69	0	4	Slot No. = 332	
13:09:10	407	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL:M6r>>4?vD0@6G,0*17	0	4	Slot No. = 407	
13:09:12	482	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL:M6r>>4?vH0@7R,0*77	0	4	Slot No. = 482	
13:09:14	557	A	1	!AIVDM,1,1,5,A,1>M46T>P01wrCL:M6r>>4?vAN4?vL0@8e,0*38	0	4	Slot No. = 557	
13:09:16	632	B	1	!AIVDM,1,1,6,B,1>M46T>P01wrCL:M6r>>4?vAN4?vP0@9p,0*30	0	4	Slot No. = 632	
13:09:18	707	A	1	!AIVDM,1,1,7,A,1>M46T>P01wrCL:M6r>>4?vAN4?vT0@;3,0*75	0	4	Slot No. = 707	
13:10:04	182	B	1	!AIVDM,1,1,8,B,1>M46T>P01wrCL:M6r>>4?v80<00,0*02	0	3	Rx Stations = 0	
13:10:06	257	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL:M6r>>4?v<0<00,0*65	0	3	Rx Stations = 0	
13:10:08	332	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL:M6r>>4?v<0<00,0*48	0	3	Rx Stations = 0	
13:10:10	407	A	1	!AIVDM,1,1,1,A,1>M46T>P01wrCL:M6r>>4?vD0<00,0*39	0	3	Rx Stations = 0	
13:10:12	482	B	14	!AIVDM,1,1,2,B,>>M46T1<59B04=@UHF0,2*5F	-	-	-	
13:10:14	557	A	14	!AIVDM,1,1,3,A,>>M46T1<59B04=@UHF0,2*5D	-	-	-	
13:10:16	632	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL:M6r>>4?vP0<00,0*36	0	3	Rx Stations = 0	
13:10:18	707	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL:M6r>>4?vT0<00,0*30	0	3	Rx Stations = 0	
13:11:04	182	B	1	!AIVDM,1,1,6,B,1>M46T>P01wrCL:M6r>>4?v8082n,0*55	0	2	Slot No. = 182	
13:11:06	257	A	1	!AIVDM,1,1,7,A,1>M46T>P01wrCL:M6r>>4?v<0841,0*0A	0	2	Slot No. = 257	
13:11:08	332	B	1	!AIVDM,1,1,8,B,1>M46T>P01wrCL:M6r>>4?v@085<,0*76	0	2	Slot No. = 332	
13:11:10	407	A	1	!AIVDM,1,1,9,A,1>M46T>P01wrCL:M6r>>4?vD086G,0*08	0	2	Slot No. = 407	
13:11:12	482	B	1	!AIVDM,1,1,0,B,1>M46T>P01wrCL:M6r>>4?vH087R,0*1A	0	2	Slot No. = 482	
13:11:14	557	A	1	!AIVDM,1,1,1,A,1>M46T>P01wrCL:M6r>>4?vL088e,0*24	0	2	Slot No. = 557	
13:11:16	632	B	1	!AIVDM,1,1,2,B,1>M46T>P01wrCL:M6r>>4?vP089p,0*2C	0	2	Slot No. = 632	
13:11:18	707	A	1	!AIVDM,1,1,3,A,1>M46T>P01wrCL:M6r>>4?vT08;3,0*20	0	2	Slot No. = 707	
13:12:04	182	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL:M6r>>4?v805'h,0*66	0	1	Time = 6704	
13:12:06	257	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL:M6r>>4?v<05'h,0*14	0	1	Time = 6704	
13:12:08	332	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL:M6r>>4?v@05'h,0*6A	0	1	Time = 6704	
13:12:10	407	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL:M6r>>4?vD05'h,0*6C	0	1	Time = 6704	
13:12:12	482	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL:M6r>>4?vH05'h,0*6C	0	1	Time = 6704	
13:12:14	557	A	1	!AIVDM,1,1,9,A,1>M46T>P01wrCL:M6r>>4?vL05'h,0*2C	0	1	Time = 6704	
13:12:16	632	B	1	!AIVDM,1,1,0,B,1>M46T>P01wrCL:M6r>>4?vP05'h,0*04	0	1	Time = 6704	
13:12:18	707	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL:M6r>>4?vT05'h,0*01	0	1	Time = 6704	
13:13:04	182	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL:M6r>>4?v800Rb,0*5E	0	0	Slot offset = 2218	Next slot = 150
13:13:06	257	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL:M6r>>4?v<00Rb,0*58	0	0	Slot offset = 2218	Next slot = 225
13:13:08	332	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL:M6r>>4?v@00Rb,0*20	0	0	Slot offset = 2218	Next slot = 300
13:13:10	407	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL:M6r>>4?vD00Rb,0*26	0	0	Slot offset = 2218	Next slot = 375
13:13:12	482	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL:M6r>>4?vH00Rb,0*2A	0	0	Slot offset = 2218	Next slot = 450
13:13:14	557	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL:M6r>>4?vL00Rb,0*2C	0	0	Slot offset = 2218	Next slot = 525



Time	Slot	Chan	Msg	Sentence	Sync State	Slot Time out	Sub Message	Comment
13:13:16	632	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?vP00Rb,0*3C	0	0	Slot offset = 2218	Next slot = 600
13:13:18	707	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?vT00Rb,0*3A	0	0	Slot offset = 2218	Next slot = 675
13:14:04	150	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?v80L00,0*10	0	7	Rx Stations = 0	
13:14:06	225	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?v<0L00,0*16	0	7	Rx Stations = 0	
13:14:08	300	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?v@0L00,0*6A	0	7	Rx Stations = 0	
13:14:10	375	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?vD0L00,0*6C	0	7	Rx Stations = 0	
13:14:12	450	B	14	!AIVDM,1,1,4,B,>>M46T1<59B04=@UHF0,2*59	-	-	-	
13:14:14	525	A	14	!AIVDM,1,1,5,A,>>M46T1<59B04=@UHF0,2*5B	-	-	-	
13:14:16	600	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?vP0L00,0*7E	0	7	Rx Stations = 0	
13:14:18	675	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?vT0L00,0*78	0	7	Rx Stations = 0	

Table 16

IEC 61097-14:2010 – Transmission Schedule of Message 14 – Clause 8.2.7

Required Results

The following is required.

- Message 14 is transmitted every 4 min.
- The transmissions of Message 14 are alternating between AIS 1 and AIS 2.
- Message 14 is transmitted in a Message 1 slot, replacing the Message 1, on the channel for which the Message 1 was scheduled.
- Message 14 did not replace a Message 1 with a time-out value = 0.

Test Results

Section	Requirement	Verdict
a)	Message 14 is transmitted every 4 min.	Pass
b)	The transmissions of Message 14 are alternating between AIS 1 and AIS 2.	Pass
c)	Message 14 is transmitted in a Message 1 slot, replacing the Message 1, on the channel for which the Message 1 was scheduled.	Pass
d)	Message 14 did not replace a Message 1 with a time-out value = 0.	Pass

Table 17



Time	Slot	Chan	Msg	Sentence	Sync State	Slot Timeout	Sub Message
13:18:10	375	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>4?vD0<00,0*1A	0	3	Rx Stations = 0
13:18:12	450	B	14	!AIVDM,1,1,6,B,>>M46T1<59B04=@UHF0,2*5B	-	-	-
13:18:14	525	A	14	!AIVDM,1,1,7,A,>>M46T1<59B04=@UHF0,2*59	-	-	-
13:18:16	600	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?vP0<00,0*00	0	3	Rx Stations = 0
13:18:18	675	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?vT0<00,0*06	0	3	Rx Stations = 0
13:19:04	150	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?v8082F,0*10	0	2	Slot No. = 150
13:19:06	225	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?v<083Q,0*00	0	2	Slot No. = 225
13:19:08	300	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?v@084d,0*4E	0	2	Slot No. = 300
13:19:10	375	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?vD085o,0*42	0	2	Slot No. = 375
13:19:12	450	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>4?vH0872,0*15	0	2	Slot No. = 450
13:19:14	525	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>4?vL088=,0*13	0	2	Slot No. = 525
13:19:16	600	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?vP089H,0*7B	0	2	Slot No. = 600
13:19:18	675	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?vT08:S,0*65	0	2	Slot No. = 675
13:20:04	150	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?v805a@,0*40	0	1	Time = 13:20
13:20:06	225	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?v<05a@,0*46	0	1	Time = 13:20
13:20:08	300	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?v@05a@,0*30	0	1	Time = 13:20
13:20:10	375	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?vD05a@,0*36	0	1	Time = 13:20
13:20:12	450	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?vH05a@,0*3A	0	1	Time = 13:20
13:20:14	525	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?vL05a@,0*3C	0	1	Time = 13:20
13:20:16	600	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>4?vP05a@,0*24	0	1	Time = 13:20
13:20:18	675	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>4?vT05a@,0*22	0	1	Time = 13:20
13:21:04	150	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?v800QJ,0*71	0	0	slot offset = 2138
13:21:06	225	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?v<00QJ,0*77	0	0	slot offset = 2138
13:21:08	300	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?v@00QJ,0*07	0	0	slot offset = 2138
13:21:10	375	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?vD00QJ,0*01	0	0	slot offset = 2138
13:21:12	450	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?vH00QJ,0*07	0	0	slot offset = 2138
13:21:14	525	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?vL00QJ,0*01	0	0	slot offset = 2138
13:21:16	600	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?vP00QJ,0*1D	0	0	slot offset = 2138
13:21:18	675	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?vT00QJ,0*1B	0	0	slot offset = 2138
13:22:01	38	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>4?v20L00,0*1E	0	7	Rx Stations = 0
13:22:03	113	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>4?v60L00,0*18	0	7	Rx Stations = 0
13:22:05	188	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?v:0L00,0*14	0	7	Rx Stations = 0
13:22:07	263	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?v>0L00,0*12	0	7	Rx Stations = 0
13:22:09	338	B	14	!AIVDM,1,1,8,B,>>M46T1<59B04=@UHF0,2*55	-	-	-
13:22:11	413	A	14	!AIVDM,1,1,9,A,>>M46T1<59B04=@UHF0,2*57	-	-	-
13:22:13	488	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?vJ0L00,0*62	0	7	Rx Stations = 0
13:22:15	563	A	1	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?vN0L00,0*64	0	7	Rx Stations = 0
13:23:01	38	B	1	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?v20H0V,0*7A	0	6	Slot No. = 38
13:23:03	113	A	1	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?v60H1i,0*42	0	6	Slot No. = 113
13:23:05	188	B	1	!AIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>4?v:0H2t,0*54	0	6	Slot No. = 188
13:23:07	263	A	1	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>4?v>0H47,0*17	0	6	Slot No. = 263
13:23:09	338	B	1	!AIVDM,1,1,6,B,1>M46T>P00wrCL>M6rE>4?vB0H5B,0*1F	0	6	Slot No. = 338
13:23:11	413	A	1	!AIVDM,1,1,7,A,1>M46T>P00wrCL>M6rE>4?vF0H6M,0*15	0	6	Slot No. = 413
13:23:13	488	B	1	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?vJ0H7',0*39	0	6	Slot No. = 488
13:23:15	563	A	1	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?vN0H8k,0*3B	0	6	Slot No. = 563
13:24:01	38	B	1	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?v20D00,0*12	0	5	Rx Stations = 0

Table 18



IEC 61097-14:2010 – Transmission with Lost EPFS – Clause 8.2.8

Required Results

For position reports transmitted after 45 min the following applies.

- The AIS SART continues transmission.
- The same transmission schedule is used as with EPFS data available.
- Communication State Sync state = 3.
- SOG = last valid SOG.
- Position accuracy = low.
- Position = last valid position.
- COG = last valid COG.
- Time stamp = 63.
- RAIM-flag = 0.
- Verify correct indication as per manufacturer's documentation.

Test Results

Section	Requirement	Verdict
a)	The AIS EPIRB continues transmission.	Pass
b)	The same transmission schedule is used as with EPFS data available.	Pass
c)	Communication State Sync state = 3.	Pass
d)	SOG = last valid SOG.	Pass
e)	Position accuracy = low.	Pass
f)	Position = last valid position.	Pass
g)	COG = last valid COG.	Pass
h)	Time stamp = 63.	Pass
i)	RAIM-flag = 0.	Pass
j)	Verify correct indication as per manufacturer's documentation.	Pass

Table 19

Time	Slot	Sentence	Sync State	PA Flag	Latitude	Longitude	SOG	COG	Time Stamp	RAIM
13:37:14	526	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?vL00Pg,0*25	0	1	50 52.194 N	1 14.6617 W	0	3600	14	0
13:37:16	601	!AIVDM,1,1,0,B,1>M46T>P00wrCL>M6rE>4?vP00Pg,0*33	0	1	50 52.194 N	1 14.6617 W	0	3600	16	0
13:37:18	676	!AIVDM,1,1,1,A,1>M46T>P00wrCL>M6rE>4?vT00Pg,0*35	0	1	50 52.194 N	1 14.6617 W	0	3600	18	0
13:37:59	2246	!AIVDM,1,1,2,B,1>M46T>P00wrCL>M6rE>4?wn0L00,0*45	0	1	50 52.194 N	1 14.6617 W	0	3600	59	0
13:38:01	71	!AIVDM,1,1,3,A,1>M46T>P00wrCL>M6rE>4?v20L00,0*1A	0	1	50 52.194 N	1 14.6617 W	0	3600	1	0
13:38:04	150	!AIVDM,1,1,4,B,1>M46T>P00wrCL>M6rE>4?v60L00,0*1A	0	1	50 52.194 N	1 14.6617 W	0	3600	3	0
13:38:06	225	!AIVDM,1,1,5,A,1>M46T>P00wrCL>M6rE>4?v:0L00,0*14	0	1	50 52.194 N	1 14.6617 W	0	3600	5	0
13:38:07	296	!AIVDM,1,1,6,B,>>M46T1<59B04=@UHF0,2*5B	-	-	-	-	-	-	-	-
13:38:09	371	!AIVDM,1,1,7,A,>>M46T1<59B04=@UHF0,2*59	-	-	-	-	-	-	-	-
13:38:12	450	!AIVDM,1,1,8,B,1>M46T>P00wrCL>M6rE>4?vF0L00,0*66	0	1	50 52.194 N	1 14.6617 W	0	3600	11	0
13:38:13	521	!AIVDM,1,1,9,A,1>M46T>P00wrCL>M6rE>4?vJ0L00,0*68	0	1	50 52.194 N	1 14.6617 W	0	3600	13	0
13:39:00	0	!AIVDM,1,1,0,B,1>M46T>P00OrCL>M6rE>4?wv1p3M,0*3F	3	0	50 52.194 N	1 14.6617 W	0	3600	63	0
13:39:01	71	!AIVDM,1,1,1,A,1>M46T>P00OrCL>M6rE>4?wv1p17,0*5E	3	0	50 52.194 N	1 14.6617 W	0	3600	63	0
13:39:03	146	!AIVDM,1,1,2,B,1>M46T>P00OrCL>M6rE>4?wv1p2B,0*28	3	0	50 52.194 N	1 14.6617 W	0	3600	63	0
13:39:06	225	!AIVDM,1,1,3,A,1>M46T>P00OrCL>M6rE>4?wv1p3M,0*24	3	0	50 52.194 N	1 14.6617 W	0	3600	63	0
13:39:07	296	!AIVDM,1,1,4,B,1>M46T>P00OrCL>M6rE>4?wv1p4',0*0A	3	0	50 52.194 N	1 14.6617 W	0	3600	63	0
13:39:09	371	!AIVDM,1,1,5,A,1>M46T>P00OrCL>M6rE>4?wv1p5k,0*02	3	0	50 52.194 N	1 14.6617 W	0	3600	63	0
13:39:11	446	!AIVDM,1,1,6,B,1>M46T>P00OrCL>M6rE>4?wv1p6v,0*1C	3	0	50 52.194 N	1 14.6617 W	0	3600	63	0
13:39:13	521	!AIVDM,1,1,7,A,1>M46T>P00OrCL>M6rE>4?wv1p89,0*5F	3	0	50 52.194 N	1 14.6617 W	0	3600	63	0
13:39:59	2246	!AIVDM,1,1,8,B,1>M46T>P00OrCL>M6rE>4?wv1I00,0*4E	3	0	50 52.194 N	1 14.6617 W	0	3600	63	0
13:40:02	75	!AIVDM,1,1,9,A,1>M46T>P00OrCL>M6rE>4?wv1I00,0*4C	3	0	50 52.194 N	1 14.6617 W	0	3600	63	0
13:40:03	146	!AIVDM,1,1,0,B,1>M46T>P00OrCL>M6rE>4?wv1I00,0*46	3	0	50 52.194 N	1 14.6617 W	0	3600	63	0
13:40:05	221	!AIVDM,1,1,1,A,1>M46T>P00OrCL>M6rE>4?wv1I00,0*44	3	0	50 52.194 N	1 14.6617 W	0	3600	63	0
13:40:07	296	!AIVDM,1,1,2,B,1>M46T>P00OrCL>M6rE>4?wv1I00,0*44	3	0	50 52.194 N	1 14.6617 W	0	3600	63	0

Table 20



IEC 61097-14:2010 – Test Mode Tests – Clause 8.3.2

General

These tests require analysis of the transmissions of the AIS-SART.

8.3.2 Transmission with EPFS data available

Method of measurement

Activate the AIS-SART in test mode with EPFS data available and record transmissions.

Required Results

The following is required.

- a) The AIS-SART starts transmission after valid GNSS data is available.
- b) A single burst of 8 messages in the correct order and correctly populated as per 3.7.2.
- c) User ID as configured in the AIS-SART.
- d) Navigational status = 15 (not defined).
- e) SOG = actual SOG from GNSS receiver.
- f) Position accuracy = according to the RAIM result if provided, otherwise 0.
- g) Position = actual position from internal GNSS receiver.
- h) COG = actual COG from internal GNSS receiver.
- i) Time stamp = actual UTC second (0...59).
- j) The communication state time-out always = 0 with sub message = 0.
- k) The transmission of Messages 1 and 14 stops after one burst of 8 messages.
- l) The text message in Message 14 is "SART TEST".
- m) Verify correct indication as per manufacturer's documentation.

Test Results

Clause	Requirement	Result	Verdict
a)	The AIS-SART starts transmission after valid GNSS data is available.	When the EUT got position, it transmitted the self-test	Pass
b)	A single burst of 8 messages in the correct order and correctly populated as per 3.7.2.	Messages are in correct order and contain 8 messages	Pass
c)	User ID as configured in the AIS-SART.	MMSI was correct.	Pass
d)	Navigational status = 15 (not defined).	Nav status is set to 15	Pass
e)	SOG = actual SOG from GNSS receiver.	SOG is 0 as position was not moving	Pass
f)	Position accuracy = according to the RAIM result if provided, otherwise 0.	PA set to low	Pass
g)	Position = actual position from internal GNSS receiver.	Live position was used, position EUT gave matched to where test was done.	Pass
h)	COG = actual COG from internal GNSS receiver.	COG is set to not available	Pass
i)	Time stamp = actual UTC second (0...59).	Time stamp is correct to the time of the transmission	Pass
j)	The communication state time-out always = 0 with sub message = 0.	Com state is 0 and the sub message is 0	Pass
k)	The transmission of Messages 1 and 14 stops after one burst of 8 messages.	Only one burst was recorded from the self test	Pass
l)	The text message in Message 14 is "SART TEST".	EUT says SART TEST	Pass
m)	Verify correct indication as per manufacturer's documentation.	Instructions and LED indications are in the "S200 AIS SART User Manual"	Pass

Table 21



Transmitted Messages						
Time	Slot	Chan	MMSI	Msg	Nav Status	Sentence
14:22:37	1415	A	970000016	14	-	!AIVDM,1,1,2,A,>>M46T1<59B1@E=@,0*05
14:22:39	1490	B	970000016	1	15	!AIVDM,1,1,3,B,1>M46T?P01OrCL8M6r0v4?w>0000,0*6B
14:22:41	1565	A	970000016	1	15	!AIVDM,1,1,4,A,1>M46T?P01OrCL8M6r0v4?wB0000,0*13
14:22:43	1640	B	970000016	1	15	!AIVDM,1,1,5,B,1>M46T?P01OrCL8M6r0v4?wF0000,0*15
14:22:45	1715	A	970000016	1	15	!AIVDM,1,1,6,A,1>M46T?P01OrCL8M6r0v4?wJ0000,0*19
14:22:47	1790	B	970000016	1	15	!AIVDM,1,1,7,B,1>M46T?P01OrCL8M6r0v4?wN0000,0*1F
14:22:49	1865	A	970000016	1	15	!AIVDM,1,1,8,A,1>M46T?P01OrCL8M6r0v4?wR0000,0*0F
14:22:51	1940	B	970000016	14	-	!AIVDM,1,1,9,B,>>M46T1<59B1@E=@,0*0D

Table 22

Message 1 Decode	
!AIVDM,1,1,3,B,1>M46T?P01OrCL8M6r0v4?w>0000,0*6B	
Parameter	Decoded Value
Message ID	1 - Position report
Repeat Indicator	0
MMSI	970000016
Navigational Status	15 - not defined (also used by AIS-SART under test)
Rate Of Turn	no turn information available (default)
Speed Over Ground	0
Position Accuracy	0 - low (>10 m)
Longitude	1 14.662 W
Latitude	50 52.1859 N
Course Over Ground	not available
True Heading	511 - not available
Time Stamp	39
Special Manoeuvre Indicator	0 - not available
Spare	0
RAIM Flag	0 - RAIM not in use
Communication State - Sync State	0
Communication State - Slot Timeout	0
Communication State - Sub Message	Slot Offset = 0

Table 23

Message 14 Decode: Text Message	
!AIVDM,1,1,2,A,>>M46T1<59B1@E=@,0*05	
Parameter	Decoded Value
Message ID	14
Repeat Indicator	0
MMSI	970000016
Spare	0
Safety related text	SART TEST

Table 24



8.3.3 Transmission without EPFS data available

8.3.3.1 Method of measurement

Activate the AIS-SART in test mode with no EPFS data available and record transmissions.

Required results

The following is required.

- a) The AIS-SART starts transmission within 15 min.
- b) A single burst of 8 messages in the correct order and correctly populated as per 3.7.2.
- c) User ID as configured in the AIS-SART.
- d) Navigational status = 15 (not defined).
- e) SOG = default value.
- f) Position accuracy = low.
- g) Position = default values.
- h) COG = default value.
- i) Time stamp = 63.
- j) The communication state time-out always = 0 with sub message = 0.
- k) RAIM-flag = 0.
- l) The transmission of Messages 1 and 14 stops after one burst of 8 messages.
- m) The text message in Message 14 is "SART TEST".
- n) Verify correct indication as per manufacturer's documentation.

Clause	Requirement	Result	Verdict
a)	The AIS-SART starts transmission within 15 min.	Transmission was before 15 minutes passed	Pass
b)	A single burst of 8 messages in the correct order and correctly populated as per 3.7.2.	Order was the same as specified in 3.7.2	Pass
c)	User ID as configured in the AIS-SART.	User ID is the same as configured by the customer.	Pass
d)	Navigational status = 15 (not defined).	NAV status was set to 15	Pass
e)	SOG = default value.	EUT transmitted default value	Pass
f)	Position accuracy = low.	PA was set to low	Pass
g)	Position = default values.	EUT transmitted default value	Pass
h)	COG = default value.	EUT transmitted default value	Pass
i)	Time stamp = 63.	Timestamp = 63	Pass
j)	The communication state time-out always = 0 with sub message = 0.	Slot timeout and sub message = 0	Pass
k)	RAIM-flag = 0.	Raim = 0	Pass
l)	The transmission of Messages 1 and 14 stops after one burst of 8 messages.	Only one set of 8 was recorded during a failed self test.	Pass
m)	The text message in Message 14 is "SART TEST".	Message 14 contains SART test	Pass
n)	Verify correct indication as per manufacturer's documentation.	What was observed on the beacon is what is listed in the manual	Pass

Table 25



Transmitted Messages						
Time	Slot	Chan	MMSI	Msg	Nav Status	Sentence
14:08:10	390	A	970000016	14	-	!AIVDM,1,1,4,A,>>M46T1<59B1@E=@,0*03
14:08:12	465	B	970000016	1	15	!AIVDM,1,1,5,B,1>M46T?P?w<tSF0I4Q@>4?wv1P00,0*52
14:08:14	540	A	970000016	1	15	!AIVDM,1,1,6,A,1>M46T?P?w<tSF0I4Q@>4?wv1P00,0*52
14:08:16	615	B	970000016	1	15	!AIVDM,1,1,7,B,1>M46T?P?w<tSF0I4Q@>4?wv1P00,0*50
14:08:18	690	A	970000016	1	15	!AIVDM,1,1,8,A,1>M46T?P?w<tSF0I4Q@>4?wv1P00,0*5C
14:08:20	765	B	970000016	1	15	!AIVDM,1,1,9,B,1>M46T?P?w<tSF0I4Q@>4?wv1P00,0*5E
14:08:22	840	A	970000016	1	15	!AIVDM,1,1,0,A,1>M46T?P?w<tSF0I4Q@>4?wv1P00,0*54
14:08:24	915	B	970000016	14	-	!AIVDM,1,1,1,B,>>M46T1<59B1@E=@,0*05

Table 26

Message 1 Decode	
!AIVDM,1,1,5,B,1>M46T?P?w<tSF0I4Q@>4?wv1P00,0*52	
Parameter	Decoded Value
Message ID	1 - Position report
Repeat Indicator	0
MMSI	970000016
Navigational Status	15 - not defined (also used by AIS-SART under test)
Rate Of Turn	no turn information available (default)
Speed Over Ground	not available
Position Accuracy	0 - low (>10 m)
Longitude	181 0 E
Latitude	91 0 N
Course Over Ground	not available
True Heading	511 - not available
Time Stamp	63
Special Manoeuvre Indicator	0 - not available
Spare	0
RAIM Flag	0 - RAIM not in use
Communication State - Sync State	3
Communication State - Slot Timeout	0
Communication State - Sub Message	Slot Offset = 0

Table 27

Message 14 Decode: Text Message	
!AIVDM,1,1,4,A,>>M46T1<59B1@E=@,0*03	
Parameter	Decoded Value
Message ID	14
Repeat Indicator	0
MMSI	970000016
Spare	0
Safety related text	SART TEST

Table 28



3 Test Equipment Used

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Expires
Hygrometer	Rotronic	I-1000	2829	12	21-May-2024
VDES test platform	S3C	-	5945	TU	OP/Mon
Connection box	TUV SUD	-	5946	TU	OP/Mon
Stop Watch	Radio Spares	RS Pro	5571	12	24-Aug-2024

Table 29

4 Photographs



Figure 2 - EUT



5 Accreditation, Disclaimers and Copyright



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