

AUTOMATIC IDENTIFICATION SYSTEM (AIS) TEST REPORT

Name of ship/call sign:	TEST1234567890ABCDEF / PQR123S
MMSI number:	201999993
Port of registry:	
IMO Number:	123456789
Gross tonnage:	
Date keel laid:	

1. Installation details		
	Item	Status
1.1	AIS transponder type:	Class A
1.2	Type approval certificate	
1.3	Initial installation configuration report on board?	
1.4	Drawings provided? (Antenna-, AIS-arrangement and block diagram)	
1.5	Main source of electrical power,	
1.6	Emergency source of electrical power,	
1.7	Capacity to be verified if the AIS is connected to a battery	
1.8	Pilot plug near pilots operating position?	
1.9	120VAC provided near pilot plug? (Panama and St. Lawrence requirement)	

2. AIS programming - Static information		
2.1	MMSI number	201999993
2.2	IMO number	123456789
2.3	Radio call sign	PQR123S
2.4	Name of ship	TEST1234567890ABCDEF
2.5	Type of ship	No data. Default
2.6	Ship length and beam	Ship length (A+B)=0m Ship width (C+D)=0m
2.7	Location of GPS antenna	A = 0m; B = 0m; C = 0m; D = 0m

3. AIS programming - Dynamic information		
3.1	Ships position with accuracy and integrity status (Source: GNSS)	Longitude : default Latitude : default Accuracy : low(>10m);
3.2	Time in UTC (Source: GNSS)	is not available. Default.
3.3	Course over ground (COG) (will fluctuate at dockside) (Source: GNSS)	No data. Default.
3.4	Speed over ground (SOG) (zero at dockside) (Source: GNSS)	no data, default
3.5	Heading (Source: Gyro)	No data. Default.
3.6	Navigational status	Under way sailing

3.7	Rate of turn, where available (ROT)	default meaning
3.8	Angle of heel, pitch and roll, where available	N/A

4. AIS programming - voyage related information		
4.1	Ships draught	5,5 m
4.2	Type of cargo	No data. Default
4.3	Destination and ETA (at masters discretion)	No data. Default No data. Default
4.4	Route plan (optional)	N/A
4.5	Short safety-related messages	N/A

5. Performance test using measuring instrument		
5.1	Frequency measurements AIS ch. 1 and 2, GMDSS ch. 70	Channel A: 161975,126kHz Channel B: 162025,111kHz GMDSS 70: 156525,119 kHz
5.2	Transmitting output, AIS ch. 1 and 2, GMDSS ch. 70	Channel A: 41,8dBm Channel B: 41,8dBm GMDSS 70: 40.23dBm
5.3	Polling information ch. 70	OK
5.4	Read data from AIS	OK
5.5	Send data to AIS	OK
5.6	Check AIS response to "virtual vessels"	OK

"On air" performance test		
6.1	Check reception performance	
6.2	Confirm reception of own signal from other ship/VTS	
6.3	Polling by VTS/shore installation	

Electromagnetic interference from AIS observed to other installations?:		

Remarks:		

Remarks:		
Name of Radio Inspector Alexander Semyoshin	Date and place 14.06.2012 Vakulenchuk Str, 29/4a	Name of Radio Inspector Company Musson Marine Ltd

AUTOMATIC IDENTIFICATION SYSTEM (AIS) TEST REPORT

Name of ship/call sign:	ALBATROS / SHURIK
MMSI number:	201999995
Port of registry:	
IMO Number:	N/A
Gross tonnage:	
Date keel laid:	

1. Installation details		
	Item	Status
1.1	AIS transponder type:	Class B
1.2	Type approval certificate	
1.3	Initial installation configuration report on board?	
1.4	Drawings provided? (Antenna-, AIS-arrangement and block diagram)	
1.5	Main source of electrical power,	
1.6	Emergency source of electrical power,	
1.7	Capacity to be verified if the AIS is connected to a battery	
1.8	Pilot plug near pilots operating position?	
1.9	120VAC provided near pilot plug? (Panama and St. Lawrence requirement)	

2. AIS programming - Static information		
2.1	MMSI number	201999995
2.2	IMO number	N/A
2.3	Radio call sign	SHURIK
2.4	Name of ship	ALBATROS
2.5	Type of ship	Pilot vessel
2.6	Ship length and beam	Ship length (A+B)=300m Ship width (C+D)=100m
2.7	Location of GPS antenna	A = 150m; B = 150m; C = 50m; D = 50m

3. AIS programming - Dynamic information		
3.1	Ships position with accuracy and integrity status (Source: GNSS)	Longitude : 33° 29,26" E Latitude : 44° 35,31" N Accuracy : high(<10m)

3.2	Time in UTC (Source: GNSS)	29 seconds (UTC)
3.3	Course over ground (COG) (will fluctuate at dockside) (Source: GNSS)	198,3
3.4	Speed over ground (SOG) (zero at dockside) (Source: GNSS)	0 knots
3.5	Heading (Source: Gyro)	No data. Default.
3.6	Navigational status	N/A
3.7	Rate of turn, where available (ROT)	N/A
3.8	Angle of heel, pitch and roll, where available	N/A

4. AIS programming - voyage related information

4.1	Ships draught	N/A
4.2	Type of cargo	N/A;
4.3	Destination and ETA (at masters discretion)	N/A N/A
4.4	Route plan (optional)	N/A
4.5	Short safety-related messages	N/A

5. Performance test using measuring instrument

5.1	Frequency measurements AIS ch. 1 and 2, GMDSS ch. 70	Channel A: 161975,12kHz Channel B: 162025,147kHz GMDSS ch.70:
5.2	Transmitting output, AIS ch. 1 and 2, GMDSS ch. 70	Channel A: 31,79dBm Channel B: 31,79dBm GMDSS ch.70:
5.3	Polling information ch. 70	OK
5.4	Read data from AIS	OK
5.5	Send data to AIS	OK
5.6	Check AIS response to "virtual vessels"	OK

"On air" performance test

6.1	Check reception performance	
6.2	Confirm reception of own signal from other ship/VTS	
6.3	Polling by VTS/shore installation	

Electromagnetic interference from AIS observed to other installations?:

Remarks:

Remarks:

Name of Radio Inspector

Alexander Semyoshin

Date and place

02.06.2012
Vakulenchuk Str, 29/4a

Name of Radio Inspector Company

Musson Marine Ltd

CERTIFICATE
of Automatic Identification System testing
Model: , S/N:

It is hereby certified that representative of the company: Musson Marine Ltd

Radioengineer: Alexander Semyoshin

performed testing of Automatic Identification System **Class A** and defined the following:

Transmitter parameters			
Frequency in channel A, kHz:	161975,15	Frequency in channel B, kHz:	162025,147
Power in channel A, dBm/W:	41,33 / 13,58	Power in channel B, dBm/W:	41,49 / 14,09

Positional, Static and Voyage data extracted from AIS	
MMSI User ID :	201999993
IMO Number :	123456789
Call Sign :	PQR123S
Name :	TEST1234567890ABCDEF
Destination :	No data. Default
Dimensions and reference for position :	A = 150m; B = 150m; C = 50m; D = 50m;
Navigation status :	Under way sailing
Longitude :	33° 29,23" E
Latitude :	44° 35,32" N
Speed Over Ground :	5 knots
Course Over Ground :	134,8
True Heading :	134 degrees
Rate of turn :	Turn to right with 0 deg/min
Position Accuracy :	high(<10m)
RAIM Flag :	0 - Not used. Default.
Electronic Position Fixing Device :	GPS
Type of ship:	No data. Default
Type of cargo :	No data. Default
Expected time of arrival :	No data. Default
Max. Present static Draught :	5,5 m
Data Terminal Equipment :	available

AIS Version Indicator :	station compliant with Recommendation ITU-R M.1371-1
Time stamp :	20 seconds (UTC)

Testing company representative

(Position, Name)
15.06.2012
Musson Marine Ltd,
Vakulenchuk Str, 29/4a, Tel:+380692557123

Shipowner representative

(Position, Name)
15.06.2012

CERTIFICATE
of Automatic Identification System testing
Model: , S/N:

It is hereby certified that representative of the company: Musson Marine Ltd

Radioengineer: Alexander Semyoshin

performed testing of Automatic Identification System **Class B** and defined the following:

Transmitter parameters			
Frequency in channel A, kHz:	161975,12	Frequency in channel B, kHz:	162025,147
Power in channel A, dBm/W:	31,79 / 1,51	Power in channel B, dBm/W:	31,79 / 1,51

Positional, Static and Voyage data extracted from AIS	
MMSI User ID :	201999995
IMO Number :	N/A
Call Sign :	SHURIK
Name :	ALBATROS
Destination :	N/A
Dimensions and reference for position :	A = 8m; B = 8m; C = 3m; D = 3m;
Navigation status :	N/A
Longitude :	33° 29,26" E
Latitude :	44° 35,31" N
Speed Over Ground :	0 knots
Course Over Ground :	198,3
True Heading :	No data. Default.
Rate of turn :	N/A
Position Accuracy :	high(<10m)
RAIM Flag :	0 - Not used. Default.
Electronic Position Fixing Device :	N/A
Type of ship:	Pilot vessel
Type of cargo :	N/A;
Expected time of arrival :	N/A
Max. Present static Draught :	N/A
Data Terminal Equipment :	N/A

AIS Version Indicator :	N/A
Time stamp :	29 seconds (UTC)

Testing company representative

(Position, Name)
15.06.2012
Musson Marine Ltd,
Vakulenchuk Str, 29/4a, Tel:+380692557123

Shipowner representative

(Position, Name)
15.06.2012