AMERICAN BUREAU OF SHIPPING

CHECKSHEET ON SOLAS SURVEYS– "AIS" RADIO TECHNICIAN'S SURVEY

(ORIGINAL TO BE RETAINED ONBOARDBY VESSEL'S MASTER)

VESSEL GOLDEN SCAPE CLASS NO. 16253423

Associated REPORT NO. 5699699 DATE FEBRUARY 22, 2023

AUTOMATIC IDENTIFICATION SYSTEM (AIS) Test Report

Ship's details:

CALL SIGNVROT4 MMSI NUMBER477524500

PORT OF REGISTRYHONG KONG,CHINA

IMO NUMBER9702479 GROSS TONNAGE109716

DATE KEEL LAIDNOVEMBER 28,2014 OFFICIAL NUMBER HK-4389

Inspection Details

NAME OF RADIO TECHNICIAN Chen Lei COMPANY Qingdao Ship Electronic Alpha Service Co.,Ltd

INSPECTION DATE FEBRUARY 22, 2023 INSPECTION LOCATION Ri Zhao.China

1.	Installation details	
	Item	Status
1.1	AIS transponder type:JRC/JHS-183	Good
1.2	Type approval certificate	Good
1.3	Initial installation configuration report on board?	Good
1.4	Drawings provided? (Antenna-, AIS-arrangement and block diagram)	Good
1.5	Main source of electrical power,	Good
1.6	Emergency source of electrical power,	Good
1.7	Capacity to be verified if the AIS is connected to a battery	N/A
1.8	Pilot plug near pilots operating position?	Equipped
1.9	120 V AC provided near pilot plug? (Panama and St. Lawrence requirement)	Provided

2.	AIS programming - Static information	
2.1	MMSI number	Good
2.2	IMO number	Good
2.3	Radio call sign	Good
2.4	Name of ship	Good
2.5	Type of ship	Good
2.6	Ship length and beam	Good
2.7	Location of GPS antenna	Good

3.	AIS programming - Dynamic information	
3.1	Ships position with accuracy and integrity status (Source: GNSS)	Good
3.2	Time in UTC (Source: GNSS)	Good
3.3	Course over ground (COG) (will fluctuate at dockside) (Source GNSS)	Good
3.4	Speed over ground (SOG) (zero at dockside) (Source: GNSS)	Good
3.5	Heading (Source: Gyro)	Good
3.6	Navigational status	Good
3.7	Rate of turn, where available (ROT)	Good
3.8	Angle of heel, pitch and roll, where available	N/A

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4.	AIS programming - voyage related information	
4.1	Ships draught	Good
4.2	Type of cargo	Good
4.3	Destination and ETA (at masters discretion)	Good
4.4	Route plan (optional)	N/A
4.5	Short safety-related messages	Good

5.	Performance test using measuring instrument	
5.1	Frequency measurements AIS ch. 1 and 2, GMDSS ch. 70	Good
5.2	Transmitting output, AIS ch. 1 and 2, GMDSS ch. 70	Good
5.3	Polling information ch. 70	Good
5.4	Read data from AIS	Good
5.5	Send data to AIS	Good
5.6	Check AIS response to "virtual vessels"	Good

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

Electromagnetic interference from AIS observed to other installations?:

NIL

Radio Technician's Remarks:

NIL

The AIS has been tested according to IMO SN/Circ.227 and resolution MSC.74(69), annex 3

QINGDAO SHIP ELECTRONIC ALPHA SERVICE CO.,LTD MARINE SERVICE (2)

Radio Technician's Signature

Chen Lei
Radio Technician's Printed Name

Qingdao Ship Electronic Alpha Service Co.,Ltd
Company

Ri Zhao,China/February 22,2023
Place and Date

AIS TEST REPORT

It is hereby certified that representative of the company: Qingdao Ship Electronic Alpha Service Co.,Ltd, Chen Lei, Radioengineer, performed testing of **AIS Class A** and defined the following:

Station Data

Type	Model	Serial Number
AIS Class A	JRC/JHS-183	BB02274

Transmitter parameters

Channel	Frequency, Hz	Frequency Deviation, Hz	Power, dBm
Channel A	161.974718 MHz	-282 Hz	18.64 dBm / 73.11 mW
Channel B	162.024713 MHz	-287 Hz	18.33 dBm / 68.08 mW

Positional, Static and Voyage data extracted from AIS

MMSI User ID	477524500
IMO number	9702479
Call sign	VROT4
Ship Name	GOLDEN SCAPE
Destination	AUPHE>>CNRZH
Ship dimensions	A=256; B=44; C=21; D=28
Navigational status	Moored
Longitude	119° 32.73' E
Latitude	35° 21.35' N
Speed over ground (SOG), knots	0
Course over ground (COG)	295.8
True heading, deg	9
Rate of turn ROTAIS	Default meaning
Position accuracy	High (< 10 m; Differential Mode)
RAIM-flag	Not in use
Type of ship and cargo type	Cargo, all ships of this type
Max. static draught, m	18.5
AIS version indicator	Station compliant with Recommendation ITU-R M.1371-5 (or later)
Special manoeuvre indicator	Not available
EPFD Type	GPS
ETA, UTC	2/20 6:30 (M/d h:m)
DTE (availability)	0
Time stamp	50

Chen Lei, Qingdao Ship Electronic Alpha Service Co.,Ltd

Survey Date and Place: Feb 22, 2023 Ri Zhao,China

QINGDAO SHIP ELECTRONIC ALPHA SERVICE CO., LTD. MARINE SERVICE (2)

自动识别系统（AIS）检修证明
SERVICING CERTIFICATE FOR AUTOMATIC IDENTIFICATION SYSTEM (AIS)

靠泊港口 Inspection Port	日照 RI ZHAO	检修证明编号 Cert. No.	20230368060218

船名 Name of Ship	金景 GOLDEN SCAPE	船旗国 Flag	中国香港 HONG KONG, CHINA
船籍港 Port of Reg.	中国香港 HONG KONG, CHINA	IMO No.	9702479
海上移动识别码 MMSI No.	477524500	船舶呼号 Call Sign	VROT4
产品证书编号 Product Certificate Number	EC	出厂编号 Serial No.	BB02274
型号 Type	JHS-183	制造日期 Date of Manufacture	
制造厂 Manufacturer	JRC JRC		

兹证明：

THIS IS TO CERTIFY that:

本公司依照 **国际海事组织** 的规定对上述自动识别系统进行了检修检测，确认其处于适用状态。

the above AIS has been inspected, repaired and tested by the company in accordance with Rules and Regulations of **IMO** and found in a fit and efficient condition.

操作员 Inspector	辛永胜 Xin Yong Sheng	质检员 Supervisor	陈磊 Chen Lei
技术负责人 Quality Manager	张金勇 Zhang Jinyong	下次检修日期 Date of next inspection	2024-02-22
签发日期 Date of issue	2023-02-22	检修站（盖章） Service Station(Stamp)	青岛阿尔法船舶服务有限公司 QINGDAO SHIP ELECTRONIC ALPHA SERVICE CO., LTD

声明：

1、此证明附有经本公司签署的相应检验/测试记录。

2、本公司对此证明的真实有效性负法律责任。

Statement:

1.The captioned company signed inspection records shall be attached to the certificate.

2. The captioned company will take legal responsibility for the validity and authenticity of this certificate.

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