Regulations on the Management and Guidance of the Equipment for Vessel Position Reporting, Catch Reporting, Navigational Chart, and Monitoring Center

1.The full text of seven articles promulgated on 19 January 2017 by the Council of Agriculture, Executive Yuan under Order No. Nung-Yu-Tzu 1061332055.

2.Article 7, appendix 1 of Article 2, and appendix 2 of Article 3 amended and promulgated on 3 January 2018 by the Council of Agriculture, Executive Yuan under Order No. Nung-Yu-Tzu 1061339891.

3.Appendix 2 of Article 3 amended and promulgated on 28 September 2018 by the Council of Agriculture, Executive Yuan under Order No. Nung-Yu-Tzu 1071337256.

Article 1
These Regulations are established pursuant to Article 9, paragraph 2 of the Act for Distant Water Fisheries.

Article 2
The automatic location communicator (ALC) installed onboard any fishing vessel of distant water fisheries shall meet the following specifications:
(1) The ALC shall have a built-in global positioning system (GPS), be tampered proof, and be proof against any attempt of manual entry of position data.
(2) The ALC shall have a single antenna used for both GPS and ALC. In case that the antenna is mounted outside the housing of the ALC, the antenna shall be connected by a single, unbroken and undamaged cable to the ALC.
(3) The ALC shall be able to operate continuously and automatically at all time under any weather condition, and transmit accurate data within the area between $70°N$ and $70°S$.
(4) The ALC shall be able to transmit data, including catch data, identification number of the ALC, date, time, longitude and latitude, speed and course.
(5) The GPS in the ALC shall be able to provide positions with a margin of error lower than 100 meters, with a confidence of 98%.
(6) The ALC which has the function of two-way communications between the vessel and the monitoring center shall be able to accept remote change of reporting frequency set by the competent authority or the commissioned professional institution, and shall have the function of reporting vessel position(s) in real time. The ALC without the function of two-way communications shall automatically report vessel position(s) at least every hour, and the time lag of the transmission of position data shall not exceed 90 minutes.

The manufacturers and types that meet the requirements stipulated in the preceding paragraph are shown in Appendix 1.

Article 3
The electronic logbook (E-logbook) system installed onboard any fishing vessel of distant water fisheries shall meet the specifications of software and hardware as shown in Appendix 2.

Article 4
The coordinate system of any electronic navigational chart installed onboard any fishing vessel of distant water fisheries shall be the World Geodetic System, WGS84.

Article 5
The competent authority shall maintain and update the equipment of the monitoring center so

as to keep the monitoring center functional and operational 24 hours a day.

Article 6
The competent authority shall guide distant water fisheries operators to update the ALC and E-logbook system.

Article 7
These Regulations shall become effective on January 20, 2017.

Amendments to these Regulations shall become effective upon promulgation.

Appendix 1

Manufacturers and Types of the Automatic Location Communicator (ALC)

Satellite System	Manufacturer	Type
Inmarsat-C	Thrane and Thrane	TT-3020C
Inmarsat-C	Thrane and Thrane	TT-3022D
Inmarsat-C	Thrane and Thrane	TT-3026S
Inmarsat-C	Thrane and Thrane	SAILOR 6140
ARGOS	CLS	MAR-GE
ARGOS	CLS	FVT
ARGOS	CLS	MAR-GEV2
Iridium	CLS	Thorium TST-100
Iridium	CLS	LEO
Iridium	CLS	Triton Advanced

Appendix 2

Specifications on the Software and Hardware of the Electronic Logbook System

Type of Fishing Vessel	Version	Type Applicable	Operating System	Screen Resolution
Longline fishing vessel of 100 GT and above	v8. 2g	Thrane & Thrane：TT-3022D、TT-3020C、TT-3026S、TT-3027M (TT-6140 system）(new)	Win XP SP3、Windows 7、Windows 8	1024x768 dpi above
	v8.1e	Iridium：TST-100 Iridium：LEO-100	Windows 7、Windows 8	1024x768 dpi above
	v8.3e	Satellite Internet：Inmarsat-FBB、Mini-M	Windows 7、Windows 8	1024x768 dpi above
	v8.1i	Iridium：TRITON	Windows 7、Windows 8、Windows 10	1024x768 dpi above
	v9.2b	Thrane & Thrane：TT-3022D、TT-3020C、TT-3026S、TT-3027M (TT-6140 system）(new)	Windows 7、Windows 8、Windows 10	1024x768 dpi above
	v9.7d	Thrane & Thrane：TT-3022D、TT-3020C、TT-3026S、TT-3027M (TT-6140 system）(new) Iridium：TST-100 Iridium：LEO-100 Iridium：TRITON ADV Satellite Internet：Inmarsat-FBB	Windows 7、Windows 8、Windows 10	1024x768 dpi above
Longline fishing	v8. 2h	Thrane & Thrane：TT-3022D、	Win XP SP3、Windows 7、Windows 8	1024x768 dpi above

vessel less than 100 GT		TT-3020C、 TT-3026S、 TT-3027M (TT-6140 system）(new)		
	v8.1f	Iridium：TST-100 Iridium：LEO-100	Windows 7、Windows 8	1024x768 dpi above
	v8.5d	Thrane & Thrane： TT-3022D、 TT-3020C、 TT-3026S、 TT-3027M (TT-6140 system）	Android 4.0 + Brands and types tested: (1)ASUS k007 (2)ASUS Transformer Pad (TF300T) (3)SAMSUNG Galaxy Tab A (4)ASUS ZenPad 7.0	Tablet of 7 inches and above
	v8.1h	Iridium：TRITON	Windows 7、Windows 8、Windows 10	1024x768 dpi above
	v9.6c	Thrane & Thrane： TT-3022D、 TT-3020C、 TT-3026S、 TT-3027M (TT-6140 system）(new) Iridium：TST-100 Iridium：LEO-100 Iridium：TRITON ADV	Windows 7、Windows 8、Windows 10	1024x768 dpi above
Squid jigging/ Saury fishing vessel	v8.2g	Thrane & Thrane： TT-3022D、 TT-3020C、 TT-3026S、 TT-3027M (TT-6140 system）(new)	Win XP SP3、Windows 7、Windows 8	1024x768 dpi above
	v8.1	Iridium：TST-100 Iridium：LEO-100	Win XP SP3、Windows 7	1024x768 dpi above
	v9.2a	Thrane & Thrane： TT-3022D、 TT-3020C、 TT-3026S、 TT-3027M (TT-6140 system）(new)	Windows 7、Windows 8	1024x768 dpi above
	v9.2b	Thrane & Thrane： TT-3022D、 TT-3020C、	Windows 7、Windows 8、Windows 10	1024x768 dpi above

		TT-3026S、TT-3027M (TT-6140 system）(new)		
	v9. 7e	Thrane & Thrane： TT-3022D、 TT-3020C、 TT-3026S、 TT-3027M (TT-6140 system）(new) Iridium：TST-100 Iridium：LEO-100 Iridium：TRITON	Windows 7、Windows 8、Windows 10	1024x768 dpi above
Trawl net fishing vessel	v8. 1g	Iridium：TST-100 Iridium：LEO-100	Windows 7、Windows 8	1024x768 dpi above
Purse seine fishing vessel	In accordance with the specifications specified by the Parties to the Nauru Agreeement (PNA)			