



TECHNICAL AND COMPLIANCE COMMITTEE

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ANNUAL REPORT FOR THE COMMISSION VMS

WCPFC-TCC10-2014-RP01-Rev1¹

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Paper Prepared by Secretariat

1. The annual report for the Commission is prepared in accordance with CMM 2011-02 and VMS SSPs requirements paragraphs 7.3.9 and 7.3.10.

Background

2. Article 24(8) of the Convention obliges each Member of the Commission to require its fishing vessels that fish for highly migratory stocks on the high seas of the Convention Area to use an ALC/MTU which meets agreed WCPFC Standards, Specifications and Procedures, while in these areas. To implement this requirement, the Commission has adopted CMM 2011-02 Commission Vessel Monitoring System Conservation and Management Measure (which replaced CMM 2007-02), a set of Standards, Specifications and Procedures (SSPs) which were approved in 2008 (WCPFC5) and a set of Standard Operating Procedures (SOPs) which were approved in 2009 (WCPFC6). CMM 2007-02 established the WCPFC VMS system covering the area of the Convention Area south of 20N and east of 175 E in the area north of 20N, and requests that vessels moving from this area into the northern quadrant to keep their ALC/MTU activated and continue to report to the WCPFC VMS. CMM 2009-11 clarifies the expectation of the Commission that CNMs shall comply with CMMs adopted by the Commission.

3. Noting the WCPFC9 endorsement of the NC members commitment to implement VMS in the area north of 20N and west of 175E by 31 December 2013, the WCPFC VMS is understood to now cover the high seas waters of the Convention Area. In addition, some CCMs have opted to have their waters under their national jurisdiction covered by the WCPFC VMS.

4. Paragraph 7.3.3 of the SSPs requires, in part, that the Secretariat develop and manage a service level agreement (SLA) with the FFA for provision of VMS services. This SLA was signed by the Secretariats of the WCPFC and FFA in early December 2008, and the WCPFC VMS became operational in April 2009. Since then the WCPFC Secretariat has regularly met with the FFA Secretariat to monitor the delivery of SLA services in support of Commission VMS implementation. During 2014, the WCPFC and FFA Secretariats met in March and June to discuss FFA/WCPFC VMS matters: the next SLA meeting is scheduled immediately following TCC10, in at WCPFC Headquarters in Pohnpei.

¹ This revision includes in Annex 1 Table on page 7: corrections to the Number of Vessels detected on VMS, and updated VTAF submissions numbers for a few CCMs.

5. WCPFC9 adopted a Statement of Purpose and Principles for the WCPFC VMS. The stated purpose of the WCPFC VMS is “to cost-effectively monitor the activities of fishing vessels authorized by flag States to fish for highly migratory fish species in the Convention Area in areas beyond jurisdiction of the Flag State. Data collected by the Commission VMS will be securely stored and used by the Commission and its Members, Cooperating Non-Members, and Participating Territories (CCMs) to achieve compliance with Conservation and Management Measures (CMMs), fisheries scientific analysis and sound fisheries management decision-making in the Convention Area.”

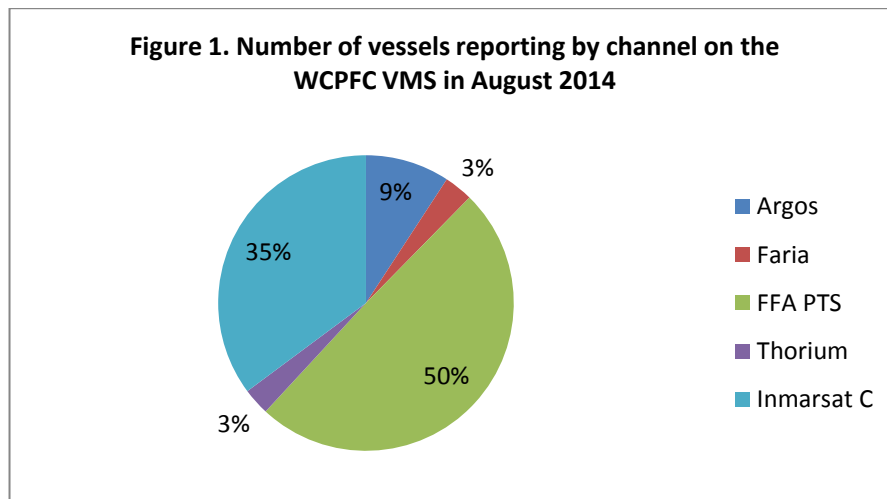
Commission VMS Database

6. Paragraph 2.8 of the SSPs requires the Secretariat to administer a Commission VMS database. Currently this database is administered and hosted in Sydney under the WCPFC-FFA SLA for the WCPFC VMS services. There is currently no link between the data in the WCPFC Record of Fishing Vessels (RFV), which hosted at Headquarters in Pohnpei, and the Commission VMS database hosted in Sydney.

7. Some general statistics on the WCPFC VMS over time are provided in Table 1 and Figure 1. In recent times, approximately half of the vessels report to the WCPFC VMS via the FFA VMS.

Table 1. Number of vessels that were detected on WCPFC VMS during each year 2009 – 1 August 2014

Year	Number of Vessels Reporting to WCPFC VMS
2009	2,169
2010	2,542
2011	2,477
2012	2,787
2013	2,974
2014	3,429



8. The details on the Vessel Tracking Agreement Form (VTAF) are needed to allow the Secretariat to electronically monitor the ALC/MTU unit and to disseminate data from it in accordance with WCPFC policy. VTAF can be downloaded from the Commission website - <http://www.wcpfc.int/vessel-monitoring-system> In accordance with the Commission VMS SOPs, all vessels operating in the Convention Area that are required to

report to the Commission VMS are to provide details outlined in the Vessel Tracking Agreement Form (VTAF).² However it should be noted that Commission has clarified that vessels which can be confirmed to be in good standing on the FFA Vessel Register shall be exempted from the requirements to submit the information contained in a VTAF for the Commission's VMS.³ In 2014, the WCPFC Secretariat commenced some work with the assistance of the FFA Secretariat to develop a mechanism which will allow the WCPFC Secretariat to be able to duly take into account the status of particular vessels on the FFA Vessel Register over time – this joint work is currently underway. Annex 1 provides a summary of the number of vessels by CCM for which the Secretariat has VTAFs details on file (as at 12 August 2014). Also listed in **Annex 1**, for comparative purposes, are the number of vessels by flag on the WCPFC RFV.

9. In its review of the “Statement of Purpose and Principles of the WCPFC VMS” the Secretariat has recognized the development of a “mapping table” which provides a link between vessels data in the RFV and the vessels data in the Commission VMS database as a priority work task for 2014. To this end, earlier in the year the WCPFC Secretariat held some discussions with both FFA Secretariat and the IMS-Contractor Taz-E on ways to progress this task. In June 2014, agreement was reached with FFA Secretariat and the necessary work is currently underway. The completion of this task is expected to provide a necessary first step, towards providing the Secretariat with a capability to utilize WCPFC VMS data in its routine monitoring of CMMs, for example monitoring reporting in special management areas (EHSP-SMA and HSP1), and monitoring high seas transshipment monitoring (CMM 2009-06). Being able to link the WCPFC VMS data to the WCPFC RFV, is also expected to strengthen the Secretariat's ability to monitor and check the regular reporting of vessels on the WCPFC VMS, which will provide improvements in the administering of the VMS Manual Reporting procedures. All WCPFC Secretariat work involving WCPFC VMS data will be in accordance with the WCPFC decisions, CMMs and data access rules and procedures, and the WCPFC Information Security Policies.

Operationalizing Article 24(8) of the Convention – (*Flick the Switch*)

10. Since the “Flick the Switch” proposal was approved at WCPFC9 the following CCMs - Australia, Federated States of Micronesia, France (including New Caledonia, French Polynesia and Wallis and Futuna), Palau, Tuvalu, the United States and Samoa provided letters of notification for the WCPFC VMS to cover their EEZ during 2013. There were no additional notifications in 2014. For the complete list see Table 2.

11. In recent months, the WCPFC Secretariat has received a couple of queries from CCMs about the relationship between the Activation date for coverage of the WCPFC VMS to a CCMs national waters (listed in Table 2), and the extent of WCPFC VMS data relating to a specific EEZ that is available during the period of coverage. The WCPFC Secretariat has clarified that while the WCPFC direct reporting vessels positions were viewable from the “activation date, there were there were some technical constraints and the FFA position transfer for EEZ areas covered by the WCPFC VMS did not commence until 5th September 2013. The WCPFC Secretariat and FFA Secretariat have ongoing work to find the best mechanism to include the back-log of FFA position transfer data for “flick-the-switch” into the WCPFC VMS databases.

² As clarified at TCC9, CCMs can either submit the VTAF form, or submit a file that contains the VTAF form for their vessels.

³ TCC 9 report paragraph 137: TCC9 agreed to recommend to WCPFC10 that vessels which can be confirmed to be in good standing on the FFA Vessel Register shall be exempted from the requirements to submit the information contained in a VTAF for the Commission's VMS. (WCPFC10 adopted this recommendation, see paragraph 220 of WCPFC10 report)

Table 2. List of WCPFC Members whose waters are included in the Commission VMS, which is maintained by the Secretariat in accordance with the WCPFC9 decision (* = these three Members had their national waters included in the Commission VMS in accordance with previous WCPFC decisions)

CCM	Activation Date
New Zealand*	23 Feb 2010 (Tokelau was activated on 22 Aug 2012)
Cook Islands*	14 May 2010
Niue*	1 Jan 2013
United States of America	9 th March 2013
Australia	15 th March 2013
Federated States of Micronesia	4 th April 2013
France (include NC,PF & WF)	NC – 13 th June 2013 PF & WF – 19 th June 2013
Palau	1 st September 2013
Tuvalu	8 th September 2013
Samoa	6 th October 2013

12. A summary of the number of VMS position data received by the Commission VMS (both from vessels reporting directly to the WCPFC VMS and through the FFA VMS), is shown in Table 3.

Table 3. Number of position reports by area monitored by WCPFC VMS.

AREA NAME	2009	2010	2011	2012	2013	2014⁴
Australia (EEZ)					20,937 [#]	15,017
Cook Islands (EEZ)		2,677 [#]	4,541 [#]	9,053 [#]	34,353 [#]	95,621
Federated States of Micronesia (EEZ)					128,774 [#]	267,916
France - NC, PF & WF (EEZs)					33,018 [#]	39,124
New Zealand & Tokelau (EEZs)		7,916 [#]	16,122 [#]	17,506 [#]	35,691 [#]	68,166
Niue (EEZ)					4,338 [#]	6,205
Republic of Palau (EEZ)					88,485	131,590
Samoa (EEZ)					7,106	20,637
Tuvalu (EEZ)					33,645	69,004
United States of America (EEZs)					427,053 [#]	338,238
High Seas in WCPFC Convention Area	1,172,244	1,502,480	1,537,517	1,915,638	2,062,742	1,476,886
TOTAL	1,172,244	1,513,073	1,558,180	1,942,197	2,876,142	2,528,404
Quarantined data	713,978	1,582,033	1,686,062	2,143,811	2,079,723	1,348,268

[#] Considerations described in paragraph 11 of this paper would apply to these figures.

⁴ Data as of 12 August 2014

Provision of High Seas Data for MCS Activities

13. 2009 WCPFC Rules and Procedures for the Protection, Access to and Dissemination of High Seas Non-Public Domain Data and Information allows for CCMs conducting MCS activities, including in areas under national jurisdiction to request and receive, WCPFC VMS data, from high seas areas adjacent to up to 100 nautical miles adjacent to, and outside their Exclusive Economic Zones (paragraph 22 and 23). Seventeen CCMs have requested access to 100nm high seas buffer, some on an ongoing basis, and others for the purposes of specific MCS activities: Australia, Cook Islands, Federated States of Micronesia, French Polynesia, Japan, Kiribati, Republic of Marshall Islands, Nauru, New Zealand, Niue, Palau, Philippines, Solomon Islands, Tokelau, Tonga, Tuvalu and United States of America. In accordance with CMM 2010-02, access to the EHSP-SMA WCPFC VMS data has been provided to the adjacent CCMs: Cook Islands, French Polynesia and Kiribati. Some FFA members have nominated the FFA Regional Fisheries Surveillance Centre in Honiara, Solomon Islands, as one of their MCS personnel to receive WCPFC VMS data on their behalf.

14. In accordance with the WCPFC9 decision to “*flick the switch*” the WCPFC has provided CCMs with the option of receiving a regular feed of WCPFC VMS data, as an additional service to the SmartTrac WCPFC VMS client login. All WCPFC VMS data requests have been implemented using both automatic push and SmartTrac login activation.

15. In accordance with 2009 Data Access Rules and Procedures, a number of members also have requested and received high seas WCPFC VMS data for high seas MCS activities where the member has a MCS presence or capability on the high seas (paragraph 21).

Log of Manual Reports

16. WCPFC9 Regular Session approved the amendment to the VMS SSPs, to apply from 1 March 2013 - 1 March 2014. Also approved was a format and reporting intervals for vessels required to provide manual report when their VMS is malfunctioning. WCPFC10 approved the recommendation from TCC9 to extend the manual reporting requirements under the VMS SSPs until March 2015.

17. The Secretariat maintains a log of all vessels placed on manual reporting as required by the SSPs on VMS. The manual reports are also entered in the Commission VMS database. It should be noted that some vessels have delayed in reporting manually until urged by their flag State. Since 1st March 2013 there have been 4,677 manual reports received by the Secretariat from 170 fishing vessels. List of the vessels that provided manual report is appended in Annex 2, and to note it includes Philippines support vessels (light boats) which do not have MTUs installed.

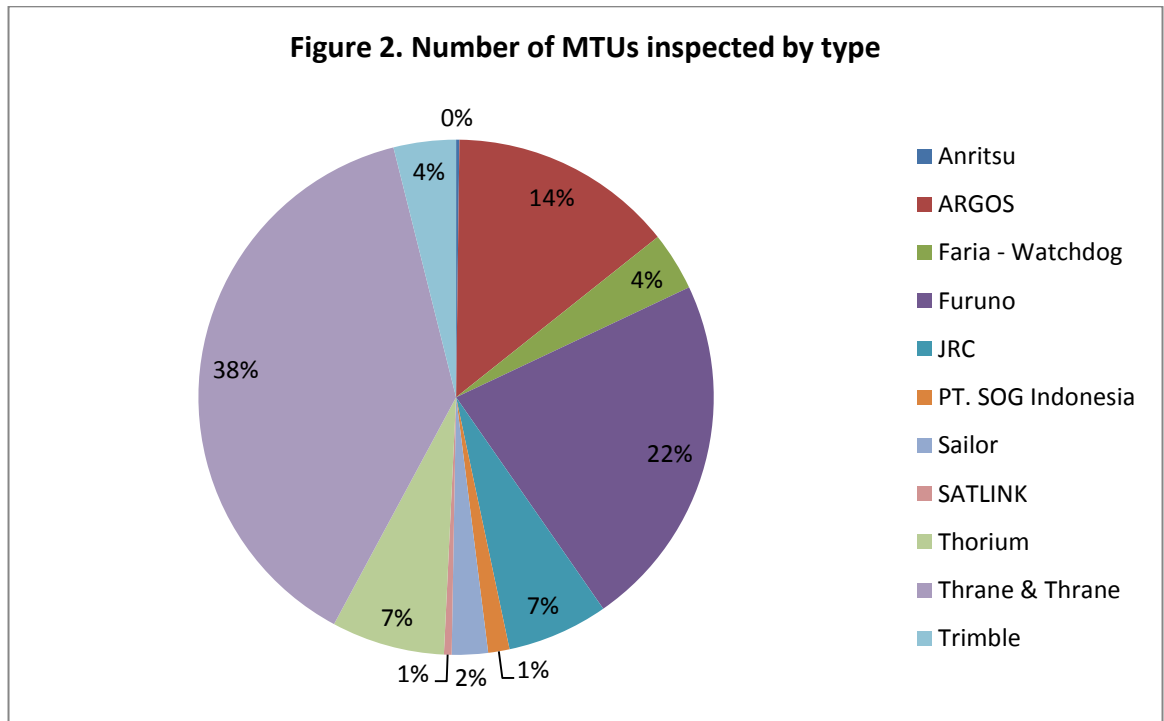
18. The Secretariat does acknowledge there remain some challenges to the implementation of the VMS SSPs for manual reporting provisions. One of these challenges is that the first step, which occurs before a vessel may be asked to manually report its position to WCPFC: the Secretariat must be able to ascertain that there has been non-reception of two consecutive, programmed high seas VMS positions. As noted previously, the Secretariat is expecting that priority work which is currently underway to establish a link between the WCPFC VMS data and the WCPFC RFV, will strengthen the ability of the WCPFC VMS team to use IMS-based IT tools to assist them with monitoring and administering of the VMS Manual Reporting procedures, including tracking correspondence between the Secretariat and the flag CCM about specific incidents.

List of Non-Compliant ALCs

19. In response to the requirement in paragraph 7.3.10 of the WCPFC VMS SSPs, the WCPFC Secretariat VMS service provider has not been able to provide gateways for DMR 800D MTUs. 39 vessels have installed these units. It is expected that CCMs whose vessels are using MTUs for which WCPFC VMS has not established a gateway, will be required to pay for the cost of developing new gateways to cater for these units.

ALCs Comply with WCPFC Standards

20. Paragraphs 2.9 and 2.13 of the SSPs state that CCMs are to carry out a periodic audit of a representative sample of installed ALCs. The results of these audits are to be provided to the Commission by CCMs in the Part 2 Annual Report to the Commission (WCPFC VMS SSPs 7.2.2). Since 2013, the WCPFC Secretariat has provided CCMs with an electronic facility to report their MTU audit inspection results. The results are compiled by the Secretariat into a VMS Audit Report Document. The list of countries and the number of MTU inspections by vessel type is appended in Annex 3. MTU/ALC type approval list as provided by CCMs are listed in Annex 4. Figure 2 – shows the proportion of MTU types which were inspected.



VMS is Stable, Reliable and Fully Maintained

21. SSP 7.3.2 requires the WCPFC Secretariat to provide a stable, reliable, fully maintained and supported Commission VMS that conforms to the security standards set out in the Commission's ISP. The Commission VMS is housed at the FFA's Pacific VMS infrastructure at Macquarie Telecom Data Center and fully managed by FFA Secretariat and its VMS Service provider. The redundant system for backup/data security purposes is located at the Secretariat in Kolonia, Pohnpei. All planned work by the WCPFC Secretariat through the WCPFC IMS system using WCPFC VMS data, will be done in accordance with the applicable rules for access and protection of WCPFC VMS data by the WCPFC Secretariat and the Commissions ISP.

Number of vessels on RFV and reporting to WCPFC VMS⁵

Flag	WCPFC RFV	VTAFs Received	Reported on VMS 2014
Australia	70	36	13
Belize	11	16	12
Cambodia			2
Canada	23	13	1
China	620	374	493
Chinese Taipei	1,694	913	608
Cook Islands	14	15	18
Ecuador	11	8	7
El Salvador	4	3	4
EU - France	15		
EU - Lithuania	4		1
EU - Malta		2	4
EU - Netherlands	1	1	
EU - Portugal	10	1	1
EU - Spain	72	22	14
Federated States of Micronesia	29	33	27
Fiji	83	24	54
French Polynesia	95		
Indonesia	401	81	29
Japan	1,302	758	553
Kiribati	57	37	48
Korea (Republic of)	297	167	163
Marshall Islands	16	8	22
New Caledonia	17	19	3
New Zealand	9	8	7
Netherlands		1	
Panama	65	27	52
Papua New Guinea	43	17	7
Philippines	796	99	148
Russian Federation	1		1
Samoa			11
Sierra Leone		2	1
Singapore		2	
Solomon Islands	5		
Thailand	6	2	3
Tonga	2		
Tuvalu	6	9	5
United States of America	206	177	121
Vanuatu	135	74	93
	6,120	2,915	2,526

⁵ Data as of 22 September 2014

2013 manual reports

Flag	Vessel Name	IRCS	Vessel Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
CN	FU YUAN YU 557	BZ6US	Longliner	30												30
CN	Gui Yuan Yu 60006	BZWZ36	Longliner					1	6							7
CN	LU RONG YU SHUI 228	BBLZ2	Tuna longliner					24								24
CN	LU RONG YUAN YU 28	BBZN3	Tuna longliner									49	72			121
CN	LU RONG YUAN YU 328	BBKV8	Longliner						38	124	6					168
CN	Ping Tai Rong 19	BZ2VT	Longliner	27	20											47
CN	Ping Tai Rong 25	BZ3VT	Longliner	22	11	3	1	1								38
CN	Ping Tai Rong 29	BZ4VT	Longliner	25	11	5			1	2						44
CN	Ping Tai Rong 49	BZ5VT	Longliner	25	10	5			1	2						43
CN	QING YUAN YU 012	BZZQ3	Longliner			30	90									120
CN	RUN DA 5	BBCH7	Longliner				11									11
CN	SHEN LIAN CHENG 702	BZXC5	Tuna longliner								24	45				69
CN	Zhong Rong 5	BBEU1	Tuna longliner									30	46			76
CN	ZHONG SHUI 605	BYLQ9	Tuna longliner												4	4
CN	ZHONG SHUI 607	BYMQ3	Tuna longliner												6	6
CN	ZHONG SHUI 608	BYMQ4	Tuna longliner												7	7
CN	ZHONG SHUI 704	BZZZ8	Tuna longliner									5				5
CN	ZHONG SHUI 803	BZZZ3	Tuna longliner												8	8
CN	ZHONG SHUI 804	BZZZ4	Tuna longliner									4				4
CN	ZHONG SHUI 807	BZYJ4	Longliner		1											1
CN	ZHONG SHUI 809	BZYJ6	Longliner												27	27
CN	Zhong Yang 19	BZXD74	Longliner				32						8			40
TW	CHUNG YIH	BK7110	Tuna longliner		1											1
TW	FONG DA YU NO.268	BJ4794	Tuna longliner		13											13
TW	HER HAE NO.26	BJ4994	Tuna longliner								2					2
TW	HORNG YIH FWU NO.128	BJ4049	Tuna longliner		2											2

TW	HWA CWO NO.16	BJ3896	Tuna longliner				22							1			23
TW	JIN ROEI FWU NO.6	BJ4502	Tuna longliner											1			1
TW	KIN CHUAN HSING NO.31	BH3296	Tuna longliner							14							14
TW	LIAN FONG YI NO.21	BJ3510	Tuna longliner		9												9
TW	LIAN HORNG NO.67	BH3339	Tuna longliner					4	13	1							18
TW	LIEN CHI FA NO.24	BJ4877	Tuna longliner					2	5	3	2						12
TW	SHENG YU	BJ4071	Tuna longliner		5												5
TW	SHUENN FWU YU NO.86	BJ4848	Tuna longliner		1												1
TW	TON SHING NO.168	BK7869	Tuna longliner		1												1
CK	GRACE	E5U2209	Tuna longliner					31	83	29	12						155
EC	GUAYATUNA UNO	HC4649	Tuna purse seiner											6			6
FM	CFA 18	V6P18	Tuna longliner			22											22
FM	CFA 21	V6P021	Tuna longliner								157	18	111				286
FJ	Rituna No. 3	3DUL	Tuna longliner					2			3						5
FJ	RITUNA NO.1	3DZF	Tuna longliner						5	1	2						8
FJ	Ruifeng No. 1	3DUF	Tuna longliner	2					1								3
FJ	Ruifeng No. 2	3DUG	Tuna longliner	2				1									3
FJ	RUIFENG NO. 3	3DUK	Tuna longliner	2				1			1						4
JP	SHIMA MARU NO.1	NONE	Tuna longliner								1						1
JP	YOKO MARU NO.35	NONE	Tuna longliner								1						1
JP	YUSEI MARU NO.8	NONE	Tuna longliner										1				1
KI	HAI SOON 48	T3FH2	BUNKER			2											2
KI	HAI SOON 5	T3UM	BUNKER		1	1	4	5			3					7	21
KI	M.T. HAI SOON 26	T3JF2	BUNKER						2	5	2	4	1				14
KI	M.T.HAI SOON 61	T3GA2	BUNKER				1					1					2
KI	MOAMARI	T3JG	Tuna purse seiner		1					3	17	1			27		49
KR	NO. 317 ORYONG	6MBV	Tuna longliner							1							1
KR	NO.5 KYUNG YANG	DTBX7	Longliner							21							21
KR	NO.51 SHIN YUNG	6LGQ	Tuna longliner					48	1								49
KR	NO.52 SHIN YUNG	6NJJ	Tuna longliner									2					2

KR	NO.808 DONGWON	HLWQ	Tuna longliner											1		1
KR	SK 7	DTAM5	Tuna longliner					28	20							48
PA	ANGARA	3FVD	FISH CARRIER							124						124
PA	FRIO HAMBURG	3EWN9	FISH CARRIER			124										124
PH	F/B LB OBET-10	DUM-3144	Support Vessel				1									1
PH	F/B LB OBET-11	DUM-3145	Support Vessel				1									1
PH	F/B LB OBET-12	DUM-3146	Support Vessel				1									1
PH	F/B LB OBET-7	DUM-3072	Support Vessel				1									1
PH	F/B LB OBET-8	DUM-3073	Support Vessel				1									1
ES	ALBATUN TRES	EADN	Tuna purse seiner							18	22					40
ES	CARMEN TERE	ECBC	Tuna longliner				31	32		98						161
ES	ECCE HOMO DIVINO	EAOJ	Tuna longliner				17	31								48
ES	ECCE HOMO GLORIOSO	ECBO	Tuna longliner				69	29		16						114
ES	ILLA GAVEIRA	ECCE	Tuna longliner					42	4	2	4					52
ES	PICO TRES MARES	EBYC	Tuna longliner				28	33		1						62
ES	ROSITA C	EAHJ	Tuna purse seiner							35						35
US	AMERICAN ENTERPRISE	WDE3560	Tuna purse seiner					6			1					7
US	CAPE BRETON	WDE2397	Tuna purse seiner					16								16
US	OCEAN CHALLENGER	WDE3526	Tuna purse seiner			1	3									4
US	OCEAN WARRIOR	WDD9953	Tuna purse seiner											2		2
US	SEA BOUNTY	WDD5895	Tuna purse seiner					3								3
US	SEA DEFENDER	WDD8934	Tuna purse seiner			13										13
VU	YUH YI NO.16	YJSB6	Tuna longliner						52	16						68
VU	YUH YUEAN NO.3	YJSZ8	Tuna longliner								42					42
VU	OIL JUPITER	XVIU	BUNKER							6						6
Total Reports				135	87	206	314	312	240	302	520	181	247	1	88	2,633
Total Vessels				8	14	10	17	19	14	19	20	11	9	1	8	81

2014 manual reports

Flag	Vessel Name	IRCS	Vessel Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Total
CN	HUA NAN YU 712	BZXD23	Longliner		1							1
CN	Liao Yuan Yu 68	BZYL5	Longliner						1			1
CN	Lu Rong Yuan Yu 206	BBIM6	Longliner				1					1
CN	Lu Rong Yuan Yu 207	BBIM7	Longliner				1					1
CN	Shen Gang Fa 719	BZXD 66	Longliner						60	20		80
CN	Zhong Rong 6	BBIR8	Tuna longliner						60			60
CN	ZHONG SHUI 607	BYMQ3	Tuna longliner	21								21
CN	ZHONG SHUI 807	BZYJ4	Longliner		38							38
CN	ZHONG SHUI 809	BZYJ6	Longliner		27							27
TW	CHUN FA NO.168	BI2400	Tuna longliner								4	4
TW	JIA CING LI	BK7717	Tuna longliner			6						6
JP	GENPUKU MARU No.81	JDSN	Tuna purse seiner		19							19
JP	IROHA MARU	NONE	Tuna longliner						33			33
JP	KATSU MARU NO.28	NONE	Tuna longliner						5	4		9
JP	KOEI MARU No.78	JRPA	Tuna longliner						13	3		16
JP	NANKAI MARU No.18		Tuna longliner						106			106
JP	SHINCHO MARU NO.1	JDXU	Tuna longliner		16							16
KI	M.T. HAI SOON 26	T3JF2	BUNKER		3							3
KR	ASIAN CHEMI	DSOY9	BUNKER		35							35
KR	SK 9	6LJT	Tuna longliner							84		84
PA	HAI FENG 658	3EHB6	FISH CARRIER			17	24	42				83
PH	F/B HANADOREA EIGHT	DUG-6261	Support Vessel	2	5	17	4	16				44
PH	F/B HANADOREA FIFTEEN	DUG-6335	Support Vessel			21		4				25
PH	F/B HANADOREA FIVE	DUG-6258	Support Vessel			19						19
PH	F/B HANADOREA FOUR	DUG-6254	Support Vessel			20						20
PH	F/B HANADOREA NINE	DUG-6262	Support Vessel			19	4	4				27
PH	F/B HANADOREA SEVEN	DUG-6260	Support Vessel			20		4				24
PH	F/B HANADOREA TEN	DUG-6263	Support Vessel					4				4

PH	F/B HANADOREA TWELVE	DUG-6607	Support Vessel			21		4				25
PH	F/B HANADOREA TWO	DUG-6252	Support Vessel			20	3	4				27
PH	F/B L/B SAN FELIPE-100	DUM-3114	Support Vessel					8				8
PH	F/B L/B SAN FELIPE-101	DUM-3115	Support Vessel					4				4
PH	F/B L/B SAN FELIPE-102	DUM-3116	Support Vessel					7				7
PH	F/B L/B SAN FELIPE-109	DUM-3117	Support Vessel					6				6
PH	F/B L/B SAN FELIPE-111	DUM-3119	Support Vessel					6				6
PH	F/B L/B SAN FELIPE-90	DUM-3110	Support Vessel					6				6
PH	F/B L/B SAN FELIPE-91	DUM-3111	Support Vessel					6				6
PH	F/B LB 3P1	DUL-6880	Support Vessel			15						15
PH	F/B LB 4P1	DUL-6879	Support Vessel			15						15
PH	F/B LB AMAG AMAG	DUM-2819	Support Vessel		4	16	8	6				34
PH	F/B LB ARIEL-IV	DUM-2944	Support Vessel			8		12				20
PH	F/B LB BIG EYE-1	DUM-2869	Support Vessel		4	16	8	6				34
PH	F/B LB COCO-3	DUM-2926	Support Vessel		4	12	8					24
PH	F/B LB COCO-5	DUM-2927	Support Vessel		4	12	8					24
PH	F/B LB GOLDEN KEY	DUM-2820	Support Vessel		4	17	7	4				32
PH	F/B LB HANADOREA EIGHTEEN	DUG-6461	Support Vessel			19	4	10				33
PH	F/B LB HANADOREA SEVENTEEN	DUG-6460	Support Vessel			24		4				28
PH	F/B LB HANADOREA SIXTEEN	DUG-6462	Support Vessel		2	17	4	14				37
PH	F/B LB JUAN PAOLO 6	DUL-6440	Support Vessel			10	2	7				19
PH	F/B LB KING EDWARD-2	DUL-6916	Support Vessel			33	5	15				53
PH	F/B LB NOVIRO	DUM-2821	Support Vessel		4	16	7	4				31
PH	F/B LB NOVIRO-02	DUM-2822	Support Vessel			12	8	4				24
PH	F/B LB NOVIRO-03	DUM-2823	Support Vessel			8	8	4				20
PH	F/B LB OBET-10	DUM-3144	Support Vessel			9	3	8				20
PH	F/B LB OBET-11	DUM-3145	Support Vessel			8	2	7				17
PH	F/B LB OBET-12	DUM-3146	Support Vessel			9	3	8				20
PH	F/B LB OBET-7	DUM-3072	Support Vessel			9	3	9				21
PH	F/B LB OBET-8	DUM-3073	Support Vessel			9	2	8				19

PH	F/B LB OBET-9	DUL-6206	Support Vessel			9	3	8				20
PH	F/B LB PRINCESS COCO	DUM-2925	Support Vessel		4	12	6					22
PH	F/B LB ROXANNE-V4	DUM-2945	Support Vessel			8		11				19
PH	F/B LB RR 12C	DUL-6906	Support Vessel			15						15
PH	F/B LB RRCS A15	DUL-6223	Support Vessel			14						14
PH	F/B LB RRCS A25	DUL-6883	Support Vessel			15						15
PH	F/B LB RRCS D20	DUL-6882	Support Vessel			15						15
PH	F/B LB SAN FELIPE-21	DUM-3106	Support Vessel					6				6
PH	F/B LB SAN FELIPE-23	DUM-3107	Support Vessel					6				6
PH	F/B LB SAN FELIPE-889	DUM-3116	Support Vessel					6				6
PH	F/B LB SAN FELIPE-891	DUM-3113	Support Vessel					8				8
PH	F/B LB TABIOS	DUM-2824	Support Vessel			8	8	4				20
PH	F/B LB VIENT-003	DUM-2936	Support Vessel					4				4
PH	F/B LB VIENT-004	DUM-2937	Support Vessel					4				4
PH	F/B LB VIENT-06	DUM-2934	Support Vessel					4				4
PH	F/B LB VIENT-07	DUM-2935	Support Vessel					4				4
PH	F/B LB VIENT-12	DUM-2887	Support Vessel					4				4
PH	F/B LB VIENT-14	DUM-2888	Support Vessel					4				4
PH	F/B LB VIENT-15	DUM-2896	Support Vessel					4				4
PH	F/B LB VIVA-1	DUM-2870	Support Vessel			8	7	4				19
PH	F/B LB VIVA-10	DUM-2939	Support Vessel					4	8			12
PH	F/B LB VIVA-2	DUM-2825	Support Vessel			8	8	4				20
PH	F/B LB VIVA-3	DUM-2826	Support Vessel			4	8	4				16
PH	F/B LB VIVA-4	DUM-2871	Support Vessel			4	8	4				16
PH	F/B LB VIVA-5	DUM-2886	Support Vessel			4	4	4				12
PH	F/B LB VIVA-6	DUM-2902	Support Vessel			4	8	4				16
PH	F/B LB VIVA-7	DUM-2903	Support Vessel			4	7	4				15
PH	F/B LB VIVA-8	DUM-2904	Support Vessel			4	4	4				12
PH	F/B LB VIVA-9	DUM-2938	Support Vessel					4	4			8
PH	L/B JUAN PAOLO -3	DUM 6402	Support Vessel			10	3	12				25

List of flag states, vessel types and the number of MTU inspections.

Flag	Vessel Type	Active on RFV	2011	2012	2013	2014
Australia	Handliner	15				
Australia	Liner nei	2				
Australia	Longliner	45			9	
Australia	Purse seiner	8				
Belize	BUNKER	7				
Belize	FISH CARRIER	4				
Canada	Handliner	1				
Canada	Jigging Line	1				
Canada	Liner nei	2				
Canada	Multipurpose vessel nei	14			1	
Canada	Troller	4				
Canada	Tuna longliner	1				
China	<<not specified>>	14				
China	FISH CARRIER	7			1	
China	Longliner	541			178	8
China	Purse seiner	58			7	3
Chinese Taipei	FISH CARRIER	20				
Chinese Taipei	FISHING VESSEL NOT SPECIFIED	3				
Chinese Taipei	Longliner	1,564			3	
Chinese Taipei	Purse seiner	107			8	
Cook Islands	Longliner	12			12	
Ecuador	Purse seiner	4				
Ecuador	Tuna purse seiner	7				
El Salvador	Purse seiner	4			4	
EU - France	Purse seiner	15				
EU - Lithuania	FISH CARRIER	4				
EU - Malta	FISH CARRIER	0			1	
EU - Netherlands	FISH CARRIER	1				
EU - Portugal	GILLNETTER	1				
EU - Portugal	Longliner	9				
EU - Spain	FISH CARRIER	1			1	
EU - Spain	Tuna longliner	40				
EU - Spain	Tuna purse seiner	31			4	
Federated States of Micronesia	BUNKER	1			1	
Federated States of Micronesia	FISH CARRIER	1			1	
Federated States of Micronesia	Longliner	18			14	
Federated States of Micronesia	Purse seiner	9			7	
Fiji	Longliner	83				

French Polynesia	Longliner	95				
Indonesia	FISH CARRIER	26				
Indonesia	FISHING VESSEL NOT SPECIFIED	2				
Indonesia	GILLNETTER	1				
Indonesia	Handliner	4				
Indonesia	Longliner	163				
Indonesia	Pole and line	26				
Indonesia	Purse seiner	124				
Indonesia	Support Vessel	55				
Japan	FISH CARRIER	77				
Japan	FISHERY RESEARCH VESSEL	50				1
Japan	FISHING VESSEL NOT SPECIFIED	2				
Japan	HARPOON	307			1	
Japan	Longliner	620			60	9
Japan	Pole and line	102			14	8
Japan	Purse seiner	83			9	21
Japan	Support Vessel	61				
Kiribati	BUNKER	8				
Kiribati	FISH CARRIER	28				
Kiribati	Longliner	6				
Kiribati	Pole and line	1				
Kiribati	Purse seiner	14			2	
Korea (Republic of)	<<not specified>>	1				
Korea (Republic of)	BUNKER	9			2	1
Korea (Republic of)	FISH CARRIER	29			10	
Korea (Republic of)	Longliner	199	1	14	59	7
Korea (Republic of)	MOTHERSHIP	1				
Korea (Republic of)	Purse seiner	57			15	8
Korea (Republic of)	Support Vessel	1				
Marshall Islands	BUNKER	5	1		2	
Marshall Islands	FISH CARRIER	1			2	
Marshall Islands	Purse seiner	10			10	
New Caledonia	Tuna longliner	17				
New Zealand	Longliner	4				2
New Zealand	MULTIPURPOSE VESSEL	1			1	
New Zealand	Purse seiner	4				
Panama	<<not specified>>	3				
Panama	BUNKER	3				
Panama	FISH CARRIER	59				
Papua New Guinea	<<not specified>>	1				
Papua New Guinea	FISH CARRIER	4				
Papua New Guinea	Longliner	4				
Papua New Guinea	Purse seiner	6				

Papua New Guinea	Tuna longliner	17				
Papua New Guinea	Tuna purse seiner	12				
Philippines	BUNKER	1				
Philippines	FISH CARRIER	237			34	
Philippines	FISHING VESSEL NOT SPECIFIED	7				
Philippines	Handliner	1				
Philippines	Longliner	20				
Philippines	MOTHERSHIP	7				
Philippines	MULTIPURPOSE VESSEL	8				
Philippines	Purse seiner	157			16	
Philippines	Support Vessel	357				
Philippines	Tuna mothership	1			1	
Russian Federation	FISH CARRIER	1				
Solomon Islands	Purse seiner	5				
Thailand	FISH CARRIER	6				
Tonga	Tuna longliner	2				
Tuvalu	BUNKER	3				
Tuvalu	Longliner	2				
Tuvalu	Purse seiner	1				
United States of America	Longliner	9			118	
United States of America	Pole and line	6			2	
United States of America	Troller	13			1	
United States of America	Tuna longliner	138				
United States of America	Tuna purse seiner	40				
Vanuatu	FISH CARRIER	28				
Vanuatu	Longliner	38				
Vanuatu	Purse seiner	1				
Vanuatu	Tuna longliner	53				
Vanuatu	Tuna purse seiner	15				
		6,119	2	14	611	68

CCMs approved MTUs

Manufacturer	Model	AU	BZ	CA	CN	CK	EU	EC	FJ	FM	ID	JP	KI	KR	MH	NC	NL	NZ	PA	PH	PG	SG	SL	SV	TH	TV	TW	US	VU
Anritsu	RSS405A											3																1	
Anritsu	TNL 8001																											2	
ARGOS	FVT				1																						47	1	
ARGOS	MAR-GE										38	85		6														6	1
ARGOS	MAR-GEV2							3	2		4	110	2	1													96	8	
Faria - Watchdog	750 VMS			6		1			2												6	2		1				29	
Faria - Watchdog	750 VMS SB			1	5				2																			3	3
Faria - Watchdog	750 VMS W/VTerm			2		1												1			1						1	40	
Furuno	Felcom 16		1		102	6		2	8	1		296	7	95			1	3	2		1					1	1		1
Furuno	FELCOM 12				8		2			2		74				4			1		1								
Furuno	FELCOM 15		1		6		3					15		1													3	1	
JRC	JUE-310B				1																								
JRC	JUE-75C											67							1										
JRC	JUE-85											16							1										
JRC	JUE-95VM					1	1					85			2				6							1	1		2
Thorium	TST-100			2	2	1			5					39					1	81							12	6	
PT. SOG Indonesia	DMR-800 D/D2										39																		
Sailor	H1622D				1																								
Sailor	Sailor-6140				39									1										1			24		
SATLINK	ELB 2000						9																						
SATLINK	ELB2004						5																						
Thrane & Thrane	SAILOR 6150				4								2			1													
Thrane & Thrane	TT-3020C		1								1																	50	1
Thrane & Thrane	TT-3022D	10	5	1	87	4		1	4	27			11	11	2	13			2	4	1	10				4	284	8	
Thrane & Thrane	TT-3026							1											1		1						124	29	
Thrane & Thrane	TT-3026D	1	3		20	1	1			3			2	2		1			5								1	27	1
Thrane & Thrane	TT-3026S		4		72		4	1	1			4	10	1	3				4			2	1	2	2	3	200	12	

