



**TECHNICAL AND COMPLIANCE COMMITTEE**

**Ninth Regular Session**

26 September - 1 October 2013

Pohnpei, Federated States of Micronesia

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**ANNUAL REPORT FOR THE COMMISSION VMS**

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**WCPFC-TCC9-2013-RP01 rev.1**

**23 September 2013**

**Paper prepared by Secretariat**

1. The Annual Report for the Commission VMS is prepared in accordance with CMM 2011-02 and VMS SSPs requirements paragraphs 7.3.9 and 7.3.10. Comments provided by CCMs to the Secretariat during TCC8 about additional details that they would like to see in this report have been accommodated where possible.
2. This paper provides supporting documentation for TCC9 agenda item 10.6 related to the review of the VMS SSPs. Specifically:
  - 10.6.1 Review Implementation of WCPFC9 decision on VMS SSPs Manual Position Reporting (Section 5)
  - 10.6.2 Review list of approved ALC/MTUs maintained by the Secretariat (SSPs Section 2.7)

**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. Currently the WCPFC VMS covers the high seas waters of the Convention Area, south of 20N and east of 175 E in the area north of 20N, and some CCMs have opted to include waters under their national jurisdiction in 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. The next SLA meeting is scheduled immediately following TCC9, in at WCPFC Headquarters in Pohnpei.
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.”

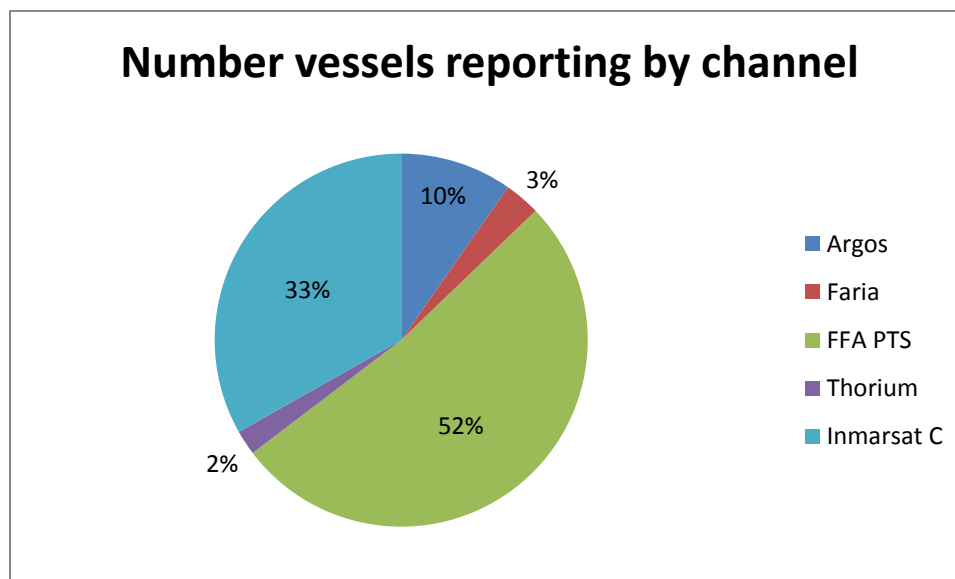
### Commission VMS Database

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. As the WCPFC Record of fishing vessel is the master record of vessels authorized to operate in the Convention area, FFA Secretariat is now inserting WCPFC Vessel ID into their Vessel Register so future development of the IMS there will be direct linkage between the two vessel databases.

**Table 1. Number of vessels that reported to WCPFC VMS by year.**

Year	Number of Vessels Reporting to WCPFC VMS
2009	2,207
2010	2,305
2011	2,407
2012	2,494
2013 <sup>1</sup>	2,438

7. 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 complete, in full, a Vessel Tracking Agreement Form (VTAF). The VTAF is designed to collect the details of each vessel’s MTU/ ALC being used by vessels that will report to the Commission VMS, including those reporting through the FFA VMS. The VTAF also authorises the Secretariat to electronically monitor the unit and disseminate data from it in accordance with WCPFC policy. The VTAF can be downloaded from the Commission website - <http://www.wcpfc.int/vessel-monitoring-system>.



8. Annex 1 lists the number of VTAFs by CCM, which have been received by the Secretariat since the inception of the Commission VMS (as at 31 August 2013). Also listed in **Annex 1**, for comparative purposes, are the number of vessels by flag on the WCPFC RFV. It is difficult to be certain whether the WCPFC has received all VTAFs for all vessels that are obliged to report to the WCPFC VMS. The reasons for this include:

<sup>1</sup> Data up to 31<sup>st</sup> August 2013

- some vessels operate in the Convention Area outside their flag States national waters but may be operating principally in areas under national jurisdiction of another CCM;
- some vessels are on the Record of Fishing Vessels, but are not necessarily actively fishing in the Convention Area all the time;
- WCPFC receives VMS data for all vessels reporting to the FFA VMS system when they are within the area that the WCPFC VMS covers (and so the VTAFs are not necessarily a pre-requisite for receiving this high seas VMS data, although WCPFC has received some but not all VTAFs for vessels reporting to WCPFC through the FFA VMS); and
- The only form of advice that the WCPFC Secretariat receives on active vessels is after the fact, in the form of a “fished” or “did not fished” report in July for the previous calendar year (CMM 2009-01 paragraph 9).

9. 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 2.

**Table 2. Number of position reports by area monitored by WCPFC VMS.**

AREA NAME	2009	2010	2011	2012	2013 <sup>2</sup>
Australia (EEZ)					15,210
Cook Islands (EEZ)		2,677	4,541	9,053	4,202
Federated States of Micronesia (EEZ)					18,633
France - NC, PF & WF					8,892
New Zealand & Tokelau (EEZ)		7,916	16,122	17,371	16,728
Niue (EEZ)					337
Republic of Palau (EEZ)					29,201
Tuvalu (EEZ)					2,019
United States of America					205,457
High Seas in WCPFC Convention Area	1,172,244	1,502,480	1,537,517	1,915,178	1,426,670
<b>TOTAL</b>	<b>1,172,244</b>	<b>1,513,073</b>	<b>1,558,180</b>	<b>1,941,602</b>	<b>1,727,349</b>
Quarantined data	695,311	1,534,877	1,639,585	2,135,184	4,080,019

### Provision of High Seas Data for MCS Activities

10. 2009 WCPFC Rules and Procedures for the Protection, Access to and Dissemination of High Seas Non-Public Domain Data and Information<sup>3</sup> 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). Fifteen 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, Kiribati, Republic of Marshall Islands, Nauru, Niue, New Zealand, Palau, Philippines, Solomon Islands, 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. For further details see WCPFC-TCC9-2013-RP06.

11. 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. During 2013, all WCPFC VMS data requests have been implemented using both automatic push and SmartTrac login activation.

<sup>2</sup> Data up to 31<sup>st</sup> August 2013

12. 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). For further details see WCPFC-TCC9-2013-RP06.

### **Log of Manual Report**

13. 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. The approved reporting format will be reviewed in 2014 at TCC10.

14. Despite the approved format for manual reporting some vessels some vessels are not reporting in the right format. 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 1<sup>st</sup> March 2013 there have been 4,466 manual reports received by the Secretariat from 74 fishing vessels. List of the vessels that provided manual report is appended in annex 2.

### **List of Non-Compliant ALCs**

15. In response to the requirement in paragraph 7.3.10 of the WCPFC VMS SSPs, the WCPFC Secretariat reports that 2 CCMs have provided MTUs and we have been advised by our current VMS Service Provider that the WCPFC VMS system is not able to provide a gateway for to track these MTUs.

### **ALCs Comply with WCPFC standards**

16. 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 is to be provided to the Commission by CCMs in the Part 2 Annual Report to the Commission. The results are to be 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.

### **VMS is Stable, Reliable and Fully Maintained**

17. 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 in Guam for backup/data security purposes has been relocated to Pohnpei and is operational.

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

18. At WCPFC9 the “Flick the Switch” proposal was approved. Australia, FSM, France, Palau, Tuvalu, the United State and more recently Samoa provided letters of notification for the WCPFC VMS to cover their EEZ during 2013.

<b><u>CCM</u></b>	<b><u>Activation Date</u></b>
United States of America	9 <sup>th</sup> March 2013
Australia	15 <sup>th</sup> March 2013
Federated States of Micronesia	4 <sup>th</sup> April 2013
France (include NC,PF & WF)	NC – 13 <sup>th</sup> June 2013 PF & WF – 19 <sup>th</sup> June 2013
Palau	1 <sup>st</sup> September 2013
Tuvalu	8 <sup>th</sup> September 2013
Samoa	6 <sup>th</sup> October 2013

Number of vessels on RFV and reporting to WCPFC VMS.<sup>3</sup>

Flag	WCPFC RFV	VTAFs Received	Reported on VMS in 2013
Australia	62	13	11
Belize	18	9	9
Canada	23	8	
China	477	317	387
Chinese Taipei	1,695	906	643
Cook Islands	18	5	9
Ecuador	10	8	8
El Salvador	4	2	3
EU - France	15		
EU - Lithuania	4		
EU – Malta	3	1	2
EU - Netherlands	1	1	
EU - Portugal	10	1	1
EU – Spain	74	22	14
Federated States of Micronesia	32	33	27
Fiji	86	10	63
French Polynesia	95		
Indonesia	360	81	31
Japan	1,309	749	570
Kiribati	49	16	43
Korea (Republic of)	285	154	166
Marshall Islands	25	3	24
New Caledonia	18	19	4
New Zealand	7	8	7
Panama	57	27	57
Papua New Guinea	42	17	6
Philippines	722	46	71
Saint Kitts And Nevis	1		1
Sierra Leone		2	
Singapore		2	
Samoa			1
Solomon Islands	5		
Thailand	6	2	
Tonga	2		
Tuvalu	9	3	7
United States of America	203	147	138
Vanuatu	131	53	105
Vietnam	1		1
	<b>5,858</b>	<b>2,665</b>	<b>2,409</b>

<sup>3</sup> Data up to 31<sup>st</sup> August 2013

## ANNEX 2

Flag	Vessel Name	IRCS	Approved MTU Type	MAR	APR	MAY	JUN	JUL
CN	LU RONG YU SHUI 228	BBLZ2	Furuno, Felcom 16			23		
CN	QING YUAN YU 012	BZZQ3	Thorium, Thorium 100	30	48			
CN	Runda 5	BBCH7	Furuno, Felcom 16		2			
TW	LIAN HORNG NO.67	BH3339	Anritsu, TNL 8001			4	13	1
ES	CARMEN TERE	ECBC	Furuno, FELCOM12		31	32		
ES	ECCE HOMO DIVINO	EA0J	SATLINK, ELB 2000		17	31		
FM	CFA 18	V6P18	Thrane & Thrane, TT-3022D	18				
JP	KAIO MARU NO.78	JM6026	JRC, JUE-75C-FFA	59				
KI	HAI SOON 5	T3UM	Furuno, Felcom 16	1	1			
KR	SK 7	DTAM5	Furuno, Felcom 16					14
PH	F/B L/B MARK ANTHONY - 17	DUM - 2853		24				
PH	F/B L/B MARK ANTHONY - 43	DUM - 2849		24				
PH	F/B L/B MARK ANTHONY - 44	DUM - 2843		24				
PH	F/B L/B SAN FELIPE-100	DUM-3114			20			
PH	F/B L/B SAN FELIPE-101	DUM-3115			20			
PH	F/B L/B SAN FELIPE-102	DUM-3116			12			
PH	F/B L/B SAN FELIPE-109	DUM-3117			20			
PH	F/B L/B SAN FELIPE-111	DUM-3119			12			
PH	F/B L/B SAN FELIPE-891	DUM-3113			20			
PH	F/B L/B SAN FELIPE-90	DUM-3110			12			
PH	F/B L/B SAN FELIPE-91	DUM-3111			12			
PH	F/B LB 3P1	DUL-6880		42				
PH	F/B LB AMAG-AMAG	DUM-2819		115	37			
PH	F/B LB BIG EYE	DUM-2869		36	40			
PH	F/B LB GOLDEN K	DUM-2820		46				
PH	F/B LB GOLDEN KEY	DUM-2820		68	43			
PH	F/B LB LADY JANELLE 15	DUM-2835			12			
PH	F/B LB LADY JANELLE 16	DUM-6195			16			
PH	F/B LB LADY JANELLE 20	DUM-2836			12			
PH	F/B LB LADY JANELLE 21	DUM-2837			16			
PH	F/B LB LADY JANELLE 25	DUM-2838			17			
PH	F/B LB LADY JANELLE 26	DUM-2839			12			
PH	F/B LB NOVERO 3	DUM-2823		116	40			
PH	F/B LB NOVIRO	DUM -2829		116	40			
PH	F/B LB NOVIRO 2	DUM-2822		116	40			
PH	F/B LB OBET 10	DUM-3144		61	19			
PH	F/B LB OBET 11	DUM-2845		61	19			
PH	F/B LB OBET 12	DUM-3146		61	19			
PH	F/B LB OBET 7	DUM-3072		61	19			
PH	F/B LB OBET 8	DUM-3073		61	19			
PH	F/B LB OBET 9	DUL-6206		61	19			
PH	F/B LB SAN FELIPE-100	DUM-3110		32				
PH	F/B LB SAN FELIPE-101	DUM-3115		4				

PH	F/B LB SAN FELIPE-102	DUM-3116		32				
PH	F/B LB SAN FELIPE-109	DUM-3119		32				
PH	F/B LB SAN FELIPE-111	DUM-3119		32				
PH	F/B LB SAN FELIPE-891	DUM-3116		32				
PH	F/B LB SAN FELIPE-90	DUM-3110		32				
PH	F/B LB SAN FELIPE-91	DUM-3111		4				
PH	F/B LB TABIOS	DUM-2824		116	40			
PH	F/B LB VIVA - 1	DUM-2870		36	40			
PH	F/B LB VIVA - 4	DUM-2871		36	40			
PH	F/B LB VIVA 2	DUM-2825		116	40			
PH	F/B LB VIVA 3	DUM-2826		116	40			
PH	F/V LB EBS 03	DUM 2809		54	45			
PH	F/V LB EBS 04	DUM 2807		54	44			
PH	FB LB 3P1	DUL-6880			6			
PH	FB LB 4P1	DUL-6879			6			
PH	FB LB RRCS A25	DUL-6883			6			
PH	GRACE 1	E5U2210		4	2			
PH	HAISOON 48	T3FH2		2				
PH	HANADOREA EIGHT	DUG-6261		124	36			
PH	HANADOREA EIGHTEEN	DUG-6461		124	36			
PH	HANADOREA FIVE	DUG-6258		124	36			
PH	HANADOREA FOUR	DUG-6254		124	36			
PH	HANADOREA NINE	DUG-6262		124	36			
PH	HANADOREA SEVEN	DUG-6260		124	36			
PH	HANADOREA TWO	DUG-6252		124	36			
PH	HANDOREA SIXTEEN	DUG-6462		124	36			
ES	ECCE HOMO GLORIOSO	ECBO	SATLINK, ELB2004		30	29		
ES	ILLA GAVEIRA	ECCE	Furuno, FELCOM15			32		
ES	PICO TRES MARES	EBYC	Furuno, FELCOM15		28	33		
US	OCEAN CHALLENGER	WDE3526		1	1			
VU	YUH YI NO.16	YJSB6					4	

## Number of MTU audit inspections by year.

Flag	Vessel Type	2011	2012	2013
Australia	Handliner		1	
Australia	Liner nei		3	
Australia	Longliner		51	
Cook Islands	Longliner		11	
China	Longliner	6	158	42
China	Purse seiner		7	
Chinese Taipei	Tuna longliner		16	
El Salvador	Tuna purse seiner		2	
Federated States of Micronesia	Tuna longliner		4	
Fiji	Longliner			4
Marshall Islands	BUNKER	1	1	1
Marshall Islands	FISH CARRIER	1	8	
Marshall Islands	Purse seiner		9	1
New Caledonia	Tuna longliner		12	
New Zealand	Longliner		2	
New Zealand	MULTIPURPOSE VESSEL		1	
Philippines	FISH CARRIER		24	9
Philippines	MOTHERSHIP		1	
Philippines	Purse seiner		12	4
Philippines	Support Vessel		1	
Spain	Tuna purse seiner		4	
United States of America	Longliner	73	123	
United States of America	Troller	1	4	
United States of America	Pole and Line		2	



Monday, 26 August, 2013

CCMs Type Approved ALC/MTU								
			Chinese Taipei	FFA	Japan	New Zealand	Philippines	USA
Service	System Brand	Model						
Inmarsat C	Anritsu	RSS405A			√			
Inmarsat C	Furuno	Felcom 10			√			
Inmarsat C	Furuno	Felcom 11			√			
Inmarsat C	Furuno	Felcom 12		√	√			
Inmarsat C	Furuno	Felcom 13			√			
Inmarsat C	Furuno	Felcom 15			√			
Inmarsat C	Furuno	Felcom 16		√	√	√		
Inmarsat C	Furuno	Felcom 18			√			
Inmarsat C	Furuno	Felcom 19			√			
Inmarsat C	JRC	JUE-75C		√	√			
Inmarsat C	JRC	JUE-85			√			
Inmarsat C	JRC	JUE-95VM		√	√			
Inmarsat C	JRC	JUE-95LT			√			
Inmarsat C	Thrane & Thrane	TT-3020B				√		
Inmarsat C	Thrane & Thrane	TT-3020C	√		√			
Inmarsat C	Thrane & Thrane	TT-3022D	√	√	√	√		√
Inmarsat C	Thrane & Thrane	TT-3026S	√	√	√	√		√
Inmarsat C	Thrane & Thrane	TT-3026D		√				
Inmarsat C	Trimble	TNL7001	√	√	√	√		
Inmarsat C	Trimble	TNL7005	√	√				
Inmarsat C	Sailor	H1622D		√				
CLS ARGOS	ARGOS	MAR-GE	√		√			
CLS ARGOS	ARGOS	MAR-GE V2	√		√			
CLS ARGOS	ARGOS	FVT	√					
CLS America	Thorium	VMS TST-100		√			√	√
CLS ARGOS	CLS Leo	CLS Leo + FFA		√				
Iridium	Faria "Watchdog"	750VMS		√				√