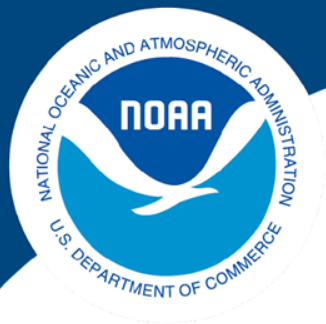




NOAA
FISHERIES

Office of Law
Enforcement

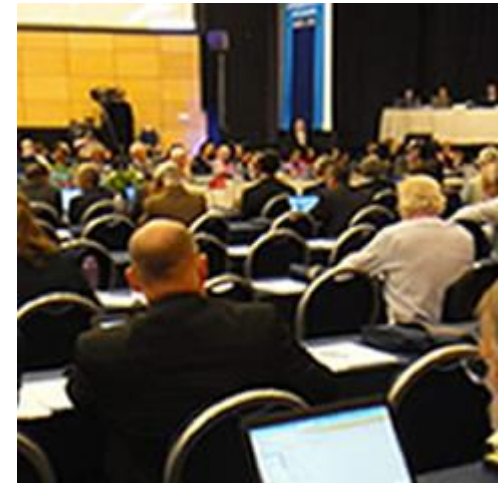
Conservation and Management Measures of Regional Fisheries Management Organizations

Port State Measures Training Program

Regional Management Fishing Organizations (RFMOs)

What are RFMOs?

- International bodies that are comprised of countries that share fishing resources
- Play a critical role in fisheries on the high sea and/or deep sea in a particular geographic region
- Ensure the long-term conservation and sustainable use of shared fish stocks in the areas which these resources occur



ICCAT Meeting

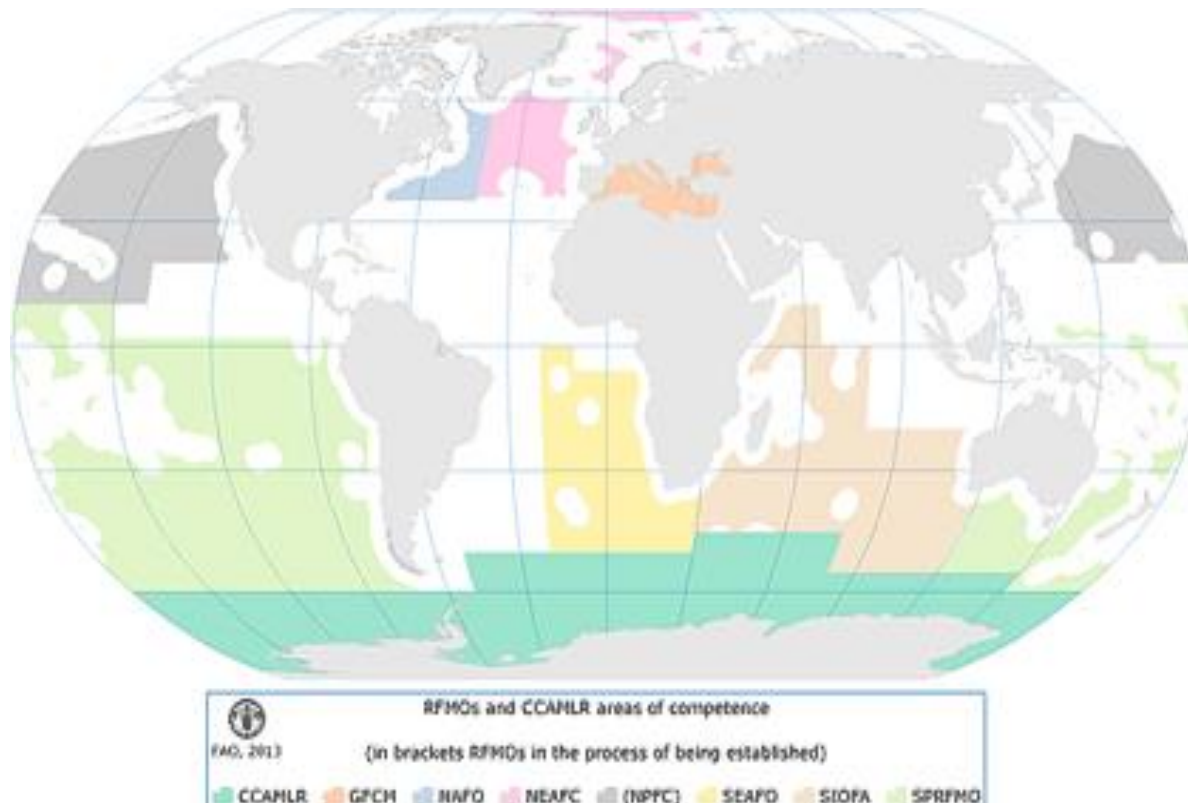
Regional Management Fishing Organizations (RFMOs)

How do RFMOs function? Emphasis on:

- **Specialization:** Committees addressing: Science, Management, Enforcement, etc
- **Process:** As with other matters, IUU listings are the result of formalized steps for consideration of violations and ultimate dissemination of listings - often not a quick turnaround endeavor
- **Consensus:**
 - Informal bargaining involving individual members or coalitions may drive results
 - Matters involving IUU listings can be highly contentious and a challenge to consensus

RFMOs

Some RFMOs may manage all of the fish stocks found within a specific geographic region.



RFMOs

Other RFMOs manage highly-migratory species (HMS), mainly tuna, throughout a region:

- International Commission for the Conservation of Atlantic Tunas (ICCAT)
- Inter-American Tropical Tuna Commission (IATTC)
- Western and Central Pacific Fisheries Commission (WCPFC)
- Indian Ocean Tuna Commission (IOTC)
- Commission for the Conservation of Southern Bluefin Tuna (CCSBT)

Regional Fishery Bodies



Role of RFMOs

States have a duty to cooperate in the conservation and management of high seas and highly migratory fish stocks:

- RFMOs provide a mechanism for that cooperation
- Measures are binding to members
- Non-members have a duty to cooperate



Role of RFMOs

- Promote international cooperation among fishing nations
- Promote effective and responsible marine stewardship
- Manage shared fish stocks
- Monitor fishing activities globally



SPRFMO Meeting

Role of RFMOs

- Ensure sustainable fisheries management
- Incorporate monitoring, control and surveillance (MCS) measures.
- Combat illegal, unreported and unregulated (IUU) fishing

Role of RFMOs

Monitoring, Control and Surveillance (MCS) Measures

- Authorized vessel lists
- IUU vessel lists
- VMS
- Boarding and inspection
- Landing restrictions
- Transshipment restrictions
- Reporting requirements

Role of RFMOs

Conservation and Management Measures (CMM) Examples

- Daily catch reporting
- FAD closures
- Tuna CMMs
- Tuna-like species CMMs
- Observer programs
- Prohibited species

CMMs

New CMMs are adopted and existing CMMs may be amended during an RFMO annual meeting and therefore must be updated. But how can we know when such changes have been made?

LOOK IT UP!:

- IOTC:
www.iotc.org/
- SIOFA:
<https://www.apsoi.org/management/cmm>
- WCPFC:
<https://www.wcpfc.int/conservation-and-management-measures>

CMMs

New CMMs are adopted and existing CMMs may be amended during an RFMO annual meeting and therefore must be updated.

- CCAMLR:
<https://www.ccamlr.org/en/conservation-and-management/browse-conservation-measures>
- CCSBT:
<https://www.ccsbt.org/en/content/monitoring-control-and-surveillance>
- IATTC:
<https://www.iattc.org/ResolutionsActiveENG.htm>
- SPRFMO:
<https://www.sprfmo.int/conservation-measures/>

Regional Vessel Register

Database of all registered vessels within a RFMO. May include:

- either all vessels authorized to undertake certain activities in all or a portion of the Convention area,
- or may be limited to vessels above a certain size or those authorized to retain certain species onboard, etc.

Indian Ocean Tuna Commission

6144 vessel records found

CSV

IOTC #	Reg #	Vessel Name ▲	Flag	Type	LOA	Tonnage	IRCS
IOTC00826	(Zhe)Chuan Deng (Ji)(2015) FT-200197	XIN SHI JI 72	China 	Longliners	48.70m	634GT	BZVZ3
IOTC005	O640	34 SOUTH	Australia 	Longliners	23.60m	190GT	Unknown
IOTC0016300	P4429B-01-08-K	5 RIYAA	Maldives 	Pole and Line vessels	10.61m	2GT	8QK2169
IOTC002296	26.05.0028.04.13906	99 JAYA UTAMA 1	Indonesia 	Longliners	25.72m	110GT	YEA4326
IOTC002298	26.06.0028.04.14440	99 JAYA UTAMA II	Indonesia 	Longliners	25.58m	109GT	YEA4371
IOTC0014769	P9607A-01-01-G	Aadhirun	Maldives 	Pole and Line vessels	20.10m	17GT	
IOTC0013526	P1691A-01-08-O	Aahiya	Maldives 	Pole and Line vessels	18.69m	18GT	
IOTC009904	P8878A-01-08-M	AAILAA	Maldives 	Pole and Line vessels	26.70m	26GT	8QM2139
IOTC0013695	P9201A-01-17-B	AAILAA	Maldives 	Pole and Line vessels	22.27m	12GT	8QB2236
IOTC0013457	P1680A-01-10-T	AAILAA	Maldives 	Pole and Line vessels	19.38m	23GT	8QT5356

<http://www.iotc.org/vessels/current>



NOAA FISHERIES

Inter-American Tropical Tuna Commission

Vessel database

Regional Vessel Register	Active Purse-Seine	Inactive and Sunk Purse-Seine	Authorized Large Longline	IUU Vessels	Search
--------------------------	--------------------	-------------------------------	---------------------------	-------------	--------

The 2000 [Resolution on a Regional Vessel Register](#) (amended in 2011 and 2014) established the list of vessels authorized by their governments to fish for species under the purview of the Commission.

Belize(7)	Canada(219)	China(359)	Colombia(14)	Costa Rica(353)
Ecuador(180)	El Salvador(12)	EU (Germany)(1)	EU (Lithuania)(1)	EU (Netherlands)(1)
EU (Poland)(1)	EU (Portugal)(10)	EU (Spain)(133)	France(14)	Guatemala(89)
Japan(284)	Kiribati(4)	Korea(191)	Mexico(242)	Nicaragua(55)
Panama(377)	Peru(11)	Chinese Taipei(159)	United States(2017)	Vanuatu(59)
Venezuela(22)				

Total number of vessels listed in the database: 4815

Belize



Number of vessels listed under this flag: 7

Gear: Longline					
IATTC Vessel Number	Name	Length(m)	Fish Hold Volume(m ³)	Carrying Capacity(t)	Notes
117	Dragon XII	26.50	30	30	
5877	Hung Chi Fu	27.60	75	75	
6569	Hung Chi Fu 33	27.30	68	30	
9497	Hung Chi Fu No. 27	21.20	60	25	
120	Tarzan III	26.50	30	84	
9495	Yu Long 35	22.15	35	25	
7503	Yu Long No. 26	21.20	60	60	

<https://www.iattc.org/VesselRegister/VesselList.aspx?List=RegVessels&Lang=ENG>



Inter-American Tropical Tuna Commission

Vessel details data

Fu Yuan Yu 066
Authorized to fish
Active

<i>IATTC Vessel Number:</i>	7153	
<i>Flag:</i>	China	
<i>Gear:</i>	Longline	
<i>Registration number:</i>	Y080A00024.0108	
<i>Call sign:</i>	412678070	
<i>Dimensions(m)</i>	<i>Length:</i>	35.12
	<i>Beam:</i>	
	<i>Depth:</i>	
<i>Technical characteristics</i>	<i>Fish hold volume (m³):</i>	
	<i>Fish hold volume confirmation date:</i>	
	<i>Carrying capacity (t):</i>	
	<i>Gross tonnage:</i>	274
	<i>Engine power (HP):</i>	
<i>Year built:</i>	2000	
<i>Shipyard:</i>		
<i>Company:</i>	Fuzhou Deep Sea Fishing Company	
<i>Business Address:</i>	No. 2 Guohuo Building Guohuodonglu, Fuzhou China	



Western and Central Pacific Fisheries Commission

[About WCPFC](#) [Key Documents](#) [MCS Scheme](#) [Vessels](#) [Science & Data](#) [Meetings](#) [Log in](#)

[Home](#) [Vessels](#)

WCPFC Record of Fishing Vessels

RFV Summary Statistics

Flag

- Any -

Submitted by CCM

- Any -

Vessel Type

- Any -

Vessel Name

IRCS

WIN

VID

IMO-LR

Authorisation to tranship on the high seas

- Any -

Fishing Methods

- Any -

Apply

Vessel Name	Flag	Registration Number	Auth Period	Vessel Type	IRCS	WIN	VID
AMANDA LOUISE	Australia	XZY	1 Mar 2016 - 28 Feb 2017	Handliner	UNKNOWN	XZY	11094
ANGELICA	Australia	LFB12748	1 Mar 2016 - 28 Feb 2017	Longliner	VHN7847	LFB12748	5104
ASSASSIN	Australia	LFB12904	1 Mar 2016 - 28 Feb 2017	Longliner	VMQ9627	LFB12904	9805

<https://www.wcpfc.int/record-fishing-vessel-database>



Western and Central Pacific Fisheries Commission

FU YUAN YU 866

Owner Name: Fujian Lianjiang Pelagic Fishiery Co.,Ltd

Owner Address: Beijiao Tailu Lianjiang,Fuzhou

Master Name: Chen Hua Jin

Master Nationality: China

Reg Port: Fuzhou

Built in Country: China

Built in Year: 2009

Crew: 17

Length: 37.91

Length Units: Meters

Length Type: Overall

Moulded Depth: 3.30

Moulded Depth Units: Meters

Beam: 6.90

Beam Units: Meters

Tonnage: 282.00

Tonnage Type: GT

Engine Power: 400

Power Units: KW

Freezer Types: ICE

Freezing Capacity: 300

Freezing Capacity Units: CuM

Number of Freezers: 2

FishHold Capacity: 416

FishHold Cap Units: CuM

Communication Details:

Inmarsat C: 412440038

Flag: China

Registration Number: (MIN)CHUANDENG(JI)(2014)FT-100004

IRCS: BZ4UT

Vessel Type: Longliner

WIN: BZ4UT

IMO-LR: 8685600

VID: 11122

Submitted by CCM: China

Attachments:

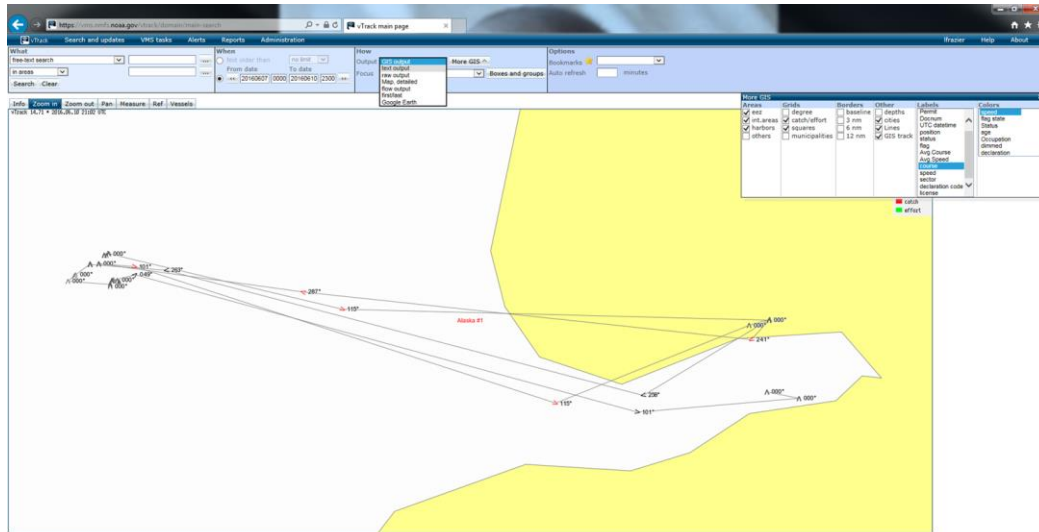


Boarding and Inspection Requirements

- Some RFMOs may have CMMs that pertain to both high seas boarding inspections (HSBI) and/or port inspections
- Port inspections CMMs often include similar requirements (if not identical) to that of the Port State Measures Agreement:
 - Designated ports
 - Prior notification of arrival
 - Port inspection requirements
 - Port inspection procedure guidelines
 - Procedure in the event of apparent infringements

Vessel Monitoring System (VMS)

- Includes VMS transmission and reporting requirements
- Lists type approved transceiver units
- May provide VMS standard operating procedures



Transshipment

- General rules
- General provisions
- Record of authorized vessels to receive transshipped products
- At-sea transshipments monitoring programs
- At-sea transshipments requirements (may require an Regional Observer Program)



Transshipment

- In-port transshipments requirements
- Prohibitions (unless granted an exemption) or conditions for transshipment activities with specific vessel types
- Required transshipment declaration information
- Reporting requirements



Fishing Prohibitions

- Prohibition of fishing on data buoys
- Fishing within 1 nm of or interacting with a data buoy in any of the following manners:
 - Encircling the buoy with fishing gear
 - Tying up to or attaching the vessel, or any fishing gear, part or portion of the vessel, to a data buoy or its mooring line
 - Cutting a data buoy anchor



Regional Observer Program (ROP)

- Establishes the ROP.
- Provides the scope, objectives, and operational guidelines of the ROP.
- Establishes the responsibilities of the observers operating under the ROP.
- Sets observer coverage requirements.
- Establishes observer rights, safety, and responsibilities.



Daily Catch and Effort Reporting

- Increases transparency
- Requires vessels (of a specific size) be subject to a data recording system.
- Provides catch reporting guidelines for vessels operating within the Convention Area
 - Vessel requirements for maintaining an accurate written or electronic log
 - Information required to be included in an accurate written or electronic log

Shark CMMs

- May require full utilization or retention of all parts of the shark until landing or transshipment.
- Prohibits retaining on board, transshipping, landing, or trading any fins harvested in contravention of the RFMO.
- Prohibits retaining onboard, transshipping landing, storing, selling, or offering for sale any part or whole carcass of certain shark species
- WCPFC 2019-04; IOTC 13/05 and 13/06



Shark CMMs

- Requires the prompt release of (unharmful) specific shark species when brought alongside the vessel.
- May require documentation of the number of discards and releases of certain shark species through the ROP.
- Addresses by-catch and encourages the release of live sharks, especially juveniles, that are caught incidentally

Daily catch reporting requirements for sharks (IOTC 15-01)

Shark species	Longline	Purse seine	Gillnet
Blue shark	X		X
Mako shark	X		X
Porbeagle shark	X		X
Hammerhead shark	X		X
Silky shark	X	X	X
Other sharks	X		
Thresher sharks	X	X	X
Crocodile sharks	X		X
Great white sharks	X		
Whale sharks		X	X
Oceanic whitetip sharks		X	X
Tiger shark			X

Prohibited Shark Species

Oceanic Whitetip Sharks

- WCPFC 2019-04
- IOTC 13/06



Whale Sharks

- WCPFC 2019-04
- IOTC 13/05 (purse seines)



Prohibited Shark Species

Silky Sharks

- WCPFC 2019-04



Thresher Sharks

- IOTC 12/09



Additional WCPFC Specific CMMs that may Lead to Violations

- Record of Fishing Vessels and Authorization of Fishing 2018-06
- Vessel Marking and Identification Requirements 2004-03
- Eastern High Seas Pocket Special Management Area 2016-02
- Compliance Monitoring Scheme 2021-03

Additional WCPFC Specific CMMs that may Lead to Violations

- Vessels Without Nationality
2009-09
- FAD Closures and Catch Retention
2009-02
- Prohibition of Large Scale Driftnets on the High Seas
2008-04
- Prohibition of discharge of plastics, excluding fishing gear
2017-04

Other Marine Species CMMs

- Conservation and Management of Striped Marlin in the Southwest Pacific
WCPFC 2006-04
- Conservation and Management of Sea Turtles
WCPFC 2008-03
- Conservation and Management of Swordfish
WCPFC 2009-03
- Conservation and Management for Mitigating Impacts of Fishing on Seabirds
WCPFC 2018-03
- Conservation and Management Measure to Address the Impact of Purse Seine Activity on Cetaceans
WCPFC 2011-13

Other Marine Species CMMs

- Sea Turtles
WCPFC 2008-03; IOTC 12/04
- Mitigating Impacts of Fishing on Seabirds
WCPFC 2015-03; IOTC 12/06;
- Addressing the Impact of Purse Seine Activity on Cetaceans
WCPFC 2011-13; IOTC 13/04

Other Marine Species CMMs

- Striped Marlin in the Southwest Pacific
WCPFC 2006-04
- Striped, Black and Blue Marlin
IOTC 15/05
- Swordfish
WCPFC 2009-03; Included in daily catch reporting requirements for IOTC

Additional CMMs that may Lead to Violations

- Fishing Authorization Requirement
WCPFC 2013-10; IOTC 15/04
- Vessel Marking and Identification Requirements
WCPFC 2004-03; IOTC requires using FAO standards
- Gear Marking Requirements
WCPFC 2013-10; IOTC 15/04
- FAD and DFAD Closures and Catch Retention
(Purse seine fishery only)
WCPFC 2009-02; IOTC 15/08

Additional CMMs that may Lead to Violations

- Prohibition of Large Scale Driftnets on the High Seas
IOTC 12/12; and WCPFC 2008-04
- Vessels Without Nationality
WCPFC 2009-09; IOTC 16/05
- Eastern High Seas Pocket Special Management Area
WCPFC 2010-02 only

Example CMMs that may Lead to Violations in IOTC, and WCPFC



Example Violations

- Assault, resist, intimidate, sexually harass, interfere with or unduly obstruct or delay an authorized inspector
- Intentionally tampering with or disabling VMS
- Other such violations as may be determined by the Commission after such violations are included and circulated (published)

Example Violations

- Using prohibited fishing gear (e.g., large scale driftnets)
- Falsifying or intentionally concealing markings, identification or registration of a vessel
- Concealing, tampering or disposing of evidence relating to an investigation of any violation
- Multiple violations which taken together show a serious disregard of applicable CMMs
- Refusal to accept a boarding and inspection

Addressing Non-compliance

- IUU vessel Lists
- Restrictions on port entry or access to port services for IUU vessels
- Import restrictions
- Compliance evaluation
- Capacity building
- Compliance Monitoring Scheme

Enforcement

Requires coordination, collaboration, and information exchange among the:

- Flag State
- Coastal State
- Port State
- Market State



Questions?

