



**COMMISSION
NINETEENTH REGULAR SESSION
Da Nang, Viet Nam
28 November to 3 December 2022**

MINIMUM DATA FIELDS FOR OBSERVER TRANSHIPMENT MONITORING

Minimum data fields for Observer transshipment monitoring, based on the data fields in forms FC-1 and FC-2

TRANSSHIPMENT OBSERVER TRIP			
Represents period when an observer embarks on a carrier vessel to the point of disembarkation. Equivalent to the Form FC-1 (Fish Carrier General Vessel Description). There will be one or many transshipment observations during a transshipment observer trip.			
FIELD	Description	Mandatory ?	Notes on relevant ROP and other WCPFC data linkages
OBSERVER TRIP IDENTIFIER		YES	Internally generated. Can be NATURAL KEY or unique integer. NATURAL KEY would be OBSERVER NAME + CARRIER VESSEL + OBSERVER EMBARKATION/START DATE
OBS_NAME	Observer NAME.	YES	WCPFC ROP minimum standard data field - OBSERVER TRIP
OBSPRG_CODE	OBSERVER SERVICE PROVIDERS identification- National or sub-regional observer programmes	YES	WCPFC ROP minimum standard data field - OBSERVER TRIP
OBS_CODE	An observer CODE will be provided in this field. In these cases, the code will be unique and link to a reference table which will include Observer Name, Nationality of observer, Observer provider, etc.	YES	Will provide link to Observer Nationality which is a WCPFC ROP minimum standard data field
OBSERVER TRIPNO	Unique TRIPNO for each observer in a given year.	YES	WCPFC ROP minimum standard data field - OBSERVER TRIP
OBSERVER DATE and TIME OF EMBARKATION	DATE/TIME the observer leaves the port (departs or embarks) to start their observer trip. If embarking at sea, this will be different from the DATE/TIME of Vessel departure from port.	YES	WCPFC ROP minimum standard data field - OBSERVER TRIP
OBSERVER DATE AND TIME OF DISEMBARKATION	DATE/TIME the observer disembarks from the vessel to end the observer trip. If disembarking at sea, this will be different from the DATE/TIME of Vessel return to port.	YES	WCPFC ROP minimum standard data field - OBSERVER TRIP
CARRIER VESSEL IDENTIFIER	Name of the <u>carrier vessel, country of registration, registration number, WIN NUMBER, and international radio call sign</u> : The registration number is the number assigned to the carrier vessel by the state that has flagged the carrier vessel. A code may be used as a carrier vessel identifier instead of the name of the carrier vessel, registration number and call sign for carrier vessels.	YES	WCPFC ROP minimum standard data field - OBSERVER TRIP Using a carrier vessel identifier field (ideally the WCPFC VID) removes the redundancy of including all carrier vessel attributes with each trip record and ensures standardisation and consistency through referencing the WCPFC Vessel Registry database. Vessel attributes in the WCPFC Vessel Registry database will include the following required on this form - CARRIER VESSEL TONNAGE - CARRIER VESSEL LOA - CARRIER TOTAL HOLD CAPACITY

TRANSSHIPMENT OBSERVER TRIP

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FIELD	Description	Mandatory ?	Notes on relevant ROP and other WCPFC data linkages
CARRIER DATE and TIME OF DEPARTURE from PORT	Depart DATE/TIME the vessel leaves a port to start the next set of transshipment operations.	YES	WCPFC ROP minimum standard data field - OBSERVER TRIP
CARRIER DATE AND TIME OF RETURN IN PORT	DATE/TIME for the vessel to return to port	YES	WCPFC ROP minimum standard data field - OBSERVER TRIP
CARRIER PORT OF DEPARTURE	The start of a trip is defined to occur when a carrier vessel leaves port after unloading part or all of the catch to transit to the next set of transshipments.	YES	WCPFC ROP minimum standard data field - OBSERVER TRIP
CARRIER PORT OF RETURN	The first port of return for the carrier to unload transshipped catch to processing plants/markets.	YES	WCPFC ROP minimum standard data field - OBSERVER TRIP
VESOWNER	NAME of the vessel owner	YES	WCPFC ROP minimum standard data field - OBSERVER TRIP
FISH HOLD CAPACITY	The total maximum amounts in metric Tons (MT) that the vessel freezers, wells and other fish storage areas on a vessel can hold.	YES	WCPFC ROP minimum standard data field - OBSERVER TRIP Note that observer data providers may use a separate vessel attributes table, linked via a vessel identifier field ("VID") which removes the redundancy of including this vessel attribute at the observer trip level and ensures standardisation and consistency.
VESCAPT_NAME	NAME of the captain of the vessel	YES	WCPFC ROP minimum standard data field - OBSERVER TRIP
VESCAPT_NATION	NATIONALITY of the captain of the vessel	YES	WCPFC ROP minimum standard data field - OBSERVER TRIP
CREW_TOTAL	Total number of CREW on-board, including captain and officers, during the trip (does not include observer).	YES	WCPFC ROP minimum standard data field - OBSERVER TRIP
IATTC_AREA	Operate in the IATTC Area	NO	
IATTC_PERIOD	What periods did operations occur in IATTC area	NO	
COMMUNICATION SERVICES	A range of communication services (Phones, etc.)	YES	WCPFC ROP minimum standard data field - MARINE DEVICES
VMS_TYPE	TYPE OF VMS	YES	WCPFC ROP minimum standard data field - MARINE DEVICES
VMS_OPN	Question on whether VMS is operational or not	NO	
COMMENTS_FISH_WEIGHT	Comments on how fish are weighed or weight is estimated	NO	
COMMENTS_OTHER	Other comments	NO	

Transshipment Observation – HEADER INFORMATION

The observer must provide the information in this table for EACH TRANSSHIPMENT OBSERVATION EVENT (Vessel offloading). There will be one or many Transshipment Observations for each TRANSSHIPMENT OBSERVER TRIP (see above). This information corresponds to the Form FC-2 header information (Observer trip, Offloading Fishing Vessel Details, Carrier/Receiving vessel details and transshipment details).

FIELD	Description	Mandatory ?	Notes on relevant ROP and other WCPFC data linkages
OBSERVER TRIP IDENTIFIER		YES	Internally generated. Can be NATURAL KEY or unique integer. NATURAL KEY would be OBSERVER NAME + CARRIER VESSEL + OBSERVER EMBARKATION/START DATE
TRANSSHIPMENT OBSERVATION IDENTIFIER	<p>The following data fields are included in the "Transshipment Observer Trip" table above, so are not included here to avoid redundancy:</p> <ul style="list-style-type: none"> - OBS_NAME - OBSPRG_CODE - OBS_CODE - OBSERVER TRIPNO - OBSERVER DATE and TIME OF EMBARKATION - OBSERVER DATE AND TIME OF DISEMBARKATION - CARRIER (RECEIVING) VESSEL IDENTIFIER - CARRIER DATE and TIME OF DEPARTURE from PORT - CARRIER DATE AND TIME OF RETURN IN PORT - CARRIER PORT OF DEPARTURE - CARRIER PORT OF RETURN 	YES	Internally generated. Can be NATURAL KEY or unique integer. NATURAL KEY would be CARRIER VESSEL + OFFLOAD VESSEL + OBSERVER EMBARKATION/START DATE + TRANSHIPMENT EVENT DATE
OFFLOADING VESSEL IDENTIFIER	<p>Name of the <u>offloading vessel</u>, <u>country of registration</u>, <u>registration number</u>, <u>WIN NUMBER</u>, and <u>international radio call sign</u>:</p> <p>The registration number is the number assigned to the offloading vessel by the state that has flagged the offloading vessel. A code may be used as a offloading vessel identifier instead of the name of the offloading vessel, registration number and call sign for offloading vessels.</p>	YES	<p>WCPFC ROP minimum standard data field - General Vessel and trip Information</p> <p>Also there are linkages with the requirement to report fishing vessel information in operational catch/effort data submissions (see Scientific data to be provided to the Commission - SciData)</p> <p>Using a offloading vessel identifier field (ideally the WCPFC VID) removes the redundancy of including all offloading vessel attributes with each trip record and ensures standardisation and consistency through referencing the WCPFC Vessel Registry database.</p>
START DATE/TIME OF TRANSSHIPMENT	The start date and time when catch is first transshipped from the fishing vessel to the carrier vessel (constituting a transshipment event).	YES	WCPFC ROP minimum standard data field - Date and time of return to port
END DATE/TIME OF TRANSSHIPMENT	The end date and time when the last of the catch is transshipped from the fishing vessel to the carrier vessel (constituting a transshipment event).	YES	Linkages to the requirement for the offloading/fishing vessel to report the date when a trip finishes due to a transshipment at sea in operational catch/effort data submissions (see Scientific data to be provided to the Commission - SciData)

Transshipment Observation – HEADER INFORMATION

The observer must provide the information in this table for EACH TRANSSHIPMENT OBSERVATION EVENT (Vessel offloading). There will be one or many Transshipment Observations for each TRANSSHIPMENT OBSERVER TRIP (see above). This information corresponds to the Form FC-2 header information (Observer trip, Offloading Fishing Vessel Details, Carrier/Receiving vessel details and transshipment details).

FIELD	Description	Mandatory ?	Notes on relevant ROP and other WCPFC data linkages
LAT	Latitude where transshipment event took place	YES	Linkages to the data requirements for Carrier transshipment declaration (CMM 2009-06 - ANNEXZ 1). Potential linkages to the requirement for the offloading/fishing vessel to report the position when a trip finishes due to a transshipment at sea in operational catch/effort data submissions (see Scientific data to be provided to the Commission - SciData)
LON	Longitude where transshipment event took place	YES	Relevant to comparing with the logsheet reported catch provided in the in operational catch/effort data submissions (see Scientific data to be provided to the Commission - SciData). Instructions for the protocol for estimating this value needs to be determined.
TOTAL WEIGHT TRANSFERRED	The total weight of the transferred catch in kilograms.	NO	Relevant for estimating the TOTAL WEIGHT TRANSFERRED. Instructions for the protocol for estimating this value needs to be determined.
AVG_TS_HOUR_NUMBER	The average number of fish transferred per hour.	NO	Relevant for estimating the TOTAL WEIGHT TRANSFERRED. Instructions for the protocol for estimating this value needs to be determined.
AVG_TS_HOUR_WEIGHT	The average weight (kilograms) of fish transferred per hour.	NO	Relevant for estimating the TOTAL WEIGHT TRANSFERRED. Instructions for the protocol for estimating this value needs to be determined.
FISHVESS_OBSV_YN	Is there an observer on the fishing (offloading) vessel ?	YES	WCPFC ROP minimum standard data field - OBSERVER TRIP Linkages to Observer ROP fishing vessel trip.
FISHVESS_OBSV_NAME	Observer NAME.	YES	WCPFC ROP minimum standard data field - OBSERVER TRIP Linkages to Observer ROP fishing vessel trip.
FISHVESS_OBSPRG_CODE	OBSERVER SERVICE PROVIDERS identification- National or sub-regional observer programmes	YES	WCPFC ROP minimum standard data field - OBSERVER TRIP Linkages to Observer ROP fishing vessel trip.

Transshipment Observation – SPECIES CATCH INFORMATION

The observer must provide the information on the CATCH BY SPECIES from EACH TRANSSHIPMENT OBSERVATION EVENT (Vessel offloading). There will be one or many SPECIES CATCH records for each TRANSSHIPMENT OBSERVATION EVENT (see above). This information corresponds to the Form FC-2 Catch and Weight of Product (kg) information.

FIELD	Description	Mandatory ?	Notes on relevant ROP and other WCPFC data linkages
OBSERVER TRIP IDENTIFIER		YES	Internally generated. Can be NATURAL KEY or unique integer. NATURAL KEY would be OBSERVER NAME + CARRIER VESSEL + OBSERVER EMBARKATION/START DATE
TRANSSHIPMENT OBSERVATION IDENTIFIER		YES	Internally generated. Can be NATURAL KEY or unique integer. NATURAL KEY would be CARRIER VESSEL + OFFLOAD VESSEL + OBSERVER EMBARKATION/START DATE + TRANSSHIPMENT EVENT DATE
TRANSSHIPMENT OBSERVATION CATCH IDENTIFIER		YES	Internally generated. Can be NATURAL KEY or unique integer. NATURAL KEY would be CARRIER VESSEL + OFFLOAD VESSEL + OBSERVER EMBARKATION/START DATE + TRANSSHIPMENT EVENT DATE + SPECIES CODE + CATCH_AREA
SP_CODE	Species code. (Refer to the FAO Standard species codes)	YES	<p>Linkages to the data requirements for Carrier transshipment declaration (CMM 2009-06 - ANNEXZ 1).</p> <p>WCPFC ROP minimum standard data field - SET CATCH</p> <p>Also there are linkages with the requirement to report fishing vessel information in operational catch/effort data submissions (see Scientific data to be provided to the Commission - SciData).</p>
CATCH_AREA	Indicate the broad RFMO Catch area : WCPFC, IATTC, IOTC or ICCAT	YES	<p>Linkages to the data requirements for Carrier transshipment declaration (CMM 2009-06 - ANNEXZ 1).</p> <p>WCPFC ROP minimum standard data field - SET CATCH</p> <p>Also there are linkages with the requirement to report fishing vessel information in operational catch/effort data submissions (see Scientific data to be provided to the Commission - SciData).</p>
FISH_STATE_CODE	The state of this species catch Fresh (FR) or Frozen (FZ)	NO	

Transshipment Observation – SPECIES CATCH INFORMATION

The observer must provide the information on the CATCH BY SPECIES from EACH TRANSSHIPMENT OBSERVATION EVENT (Vessel offloading). There will be one or many SPECIES CATCH records for each TRANSSHIPMENT OBSERVATION EVENT (see above). This information corresponds to the Form FC-2 Catch and Weight of Product (kg) information.

FIELD	Description	Mandatory ?	Notes on relevant ROP and other WCPFC data linkages
PROCESSING_CODE	Type of processing of the offloaded species catch (Use WCPFC standard weight code reference table). WW - Whole weight GG - Gilled and gutted GH - Gilled, gutted and headed GT - Gilled gutted and tailed TR - Gutted, headed and tailed (trunk weight) OT - Other, please specify	NO	Equivalent to WCPFC ROP Weight Measurement codes
SP_WEIGHT	Weight (kilograms) of this species transshipped (within area, with corresponding fish state and processed type).	YES	Linkages to the data requirements for Carrier transshipment declaration (CMM 2009-06 - ANNEXZ 1). Potential linkages to the requirement for the offloading/fishing vessel to report the position when a trip finishes due to a transshipment at sea in operational catch/effort data submissions (see Scientific data to be provided to the Commission - SciData)
SP_NUMBER	(Estimated) Number of this species transshipped (within area, with corresponding fish state and processed type).	NO	Linkages to the data requirements for Carrier transshipment declaration (CMM 2009-06 - ANNEXZ 1), if "Quantity" refers to catch in NUMBER. Potential linkages to the requirement for the offloading/fishing vessel to report the position when a trip finishes due to a transshipment at sea in operational catch/effort data submissions (see Scientific data to be provided to the Commission - SciData)

Transshipment Observation – SPECIES CATCH OBOARD INFORMATION

The observer must provide the information on the CATCH BY SPECIES already onboard the receiving vessel prior to EACH TRANSSHIPMENT OBSERVATION EVENT (Vessel offloading). There will be one or many SPECIES CATCH OBOARD records for each TRANSSHIPMENT OBSERVATION EVENT (see above). This information corresponds to the Form FC-2 weight of Catch Onboard information.

FIELD	Description	Mandatory ?	Notes on relevant ROP and other WCPFC data linkages
OBSERVER TRIP IDENTIFIER		YES	Internally generated. Can be NATURAL KEY or unique integer. NATURAL KEY would be OBSERVER NAME + CARRIER VESSEL + OBSERVER EMBARKATION/START DATE
TRANSSHIPMENT OBSERVATION IDENTIFIER		YES	Internally generated. Can be NATURAL KEY or unique integer. NATURAL KEY would be CARRIER VESSEL + OFFLOAD VESSEL + OBSERVER EMBARKATION/START DATE + TRANSSHIPMENT EVENT DATE
TRANSSHIPMENT OBSERVATION CATCH OBOARD IDENTIFIER		YES	Internally generated. Can be NATURAL KEY or unique integer. NATURAL KEY would be CARRIER VESSEL + OFFLOAD VESSEL + OBSERVER EMBARKATION/START DATE + TRANSSHIPMENT EVENT DATE + SPECIES CODE + CATCH_AREA
SP_CODE	Species code. (Refer to the FAO Standard species codes)	NO	<p>Linkages to the data requirements for Carrier transshipment declaration (CMM 2009-06 - ANNEXZ 1).</p> <p>WCPFC ROP minimum standard data field - SET CATCH</p> <p>Also there are linkages with the requirement to report fishing vessel information in operational catch/effort data submissions (see Scientific data to be provided to the Commission - SciData).</p>
CATCH_AREA	Indicate the broad RFMO Catch area: WCPFC, IATTC, IOTC or ICCAT	NO	<p>Linkages to the data requirements for Carrier transshipment declaration (CMM 2009-06 - ANNEXZ 1).</p> <p>WCPFC ROP minimum standard data field - SET CATCH</p> <p>Also there are linkages with the requirement to report fishing vessel information in operational catch/effort data submissions (see Scientific data to be provided to the Commission - SciData).</p>
SP_WEIGHT	Weight (kilograms) of this species catch onboard the carrier vessels prior to the transshipment commencing.	NO	<p>Linkages to the data requirements for Carrier transshipment declaration (CMM 2009-06 - ANNEXZ 1).</p> <p>Potential linkages to the requirement for the offloading/fishing vessel to report the position when a trip finishes due to a transshipment at sea in operational catch/effort data submissions (see Scientific data to be provided to the Commission - SciData)</p>