

## Lara Manarangi-Trott

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**From:** Hsiang-Yi Yu <hsiangyi@ms1.fa.gov.tw>  
**Sent:** Friday, October 21, 2016 1:52 PM  
**To:** Peter Williams; Lara Manarangi-Trott  
**Cc:** Mr. Ding-Rong Lin; Mr. Chi-Chao Liu; '(遠洋)王秘書文英'; (漁協)傅家驥副組長; Kerry Smith  
**Subject:** <FAMS1>RE: <FAMS1>Re: <FAMS1>Comments on the draft WCPFC E-Reporting standard fields for logsheet and observer data  
**Attachments:** Additional comments on purse seine logbook data.docx

Dear Peter and Lara,

As requested by TCC, following please find our additional comments on the draft ER data field standards for logbook.

1. For purse seine vessels, we noted that there are some fields that are not required by minimum data standards (as shown in the attachment). Therefore, we would like to suggest that the provision of ER data should be in accordance with the minimum data standards.
2. For the date time and position field in the LL/PS activity, we want to seek clarification on their validation rules that "Expect to be automatically integrated/generated with GPS DEVICE". In our understanding, some fishing vessels might have time lag for reporting through e-reporting system, that is they will start to report for the whole Activity to the e-reporting system after the Activity finished, while some e-reporting system did not have the mechanism to automatically generate position information.

We look forward to having further discussion with either SPC or the WCPFC Secretariat on the draft ER data field standards for logbook and observer data, which we had provided comments via this email or on September 10, 2016.

Best regards,  
Joy

Joy, Hsiangyi Yu (尤香宜)  
International Fisheries Affairs Section  
Deep Sea Fisheries Division,  
Fisheries Agency, Council of Agriculture  
E-mail: hsiangyi@ms1.fa.gov.tw

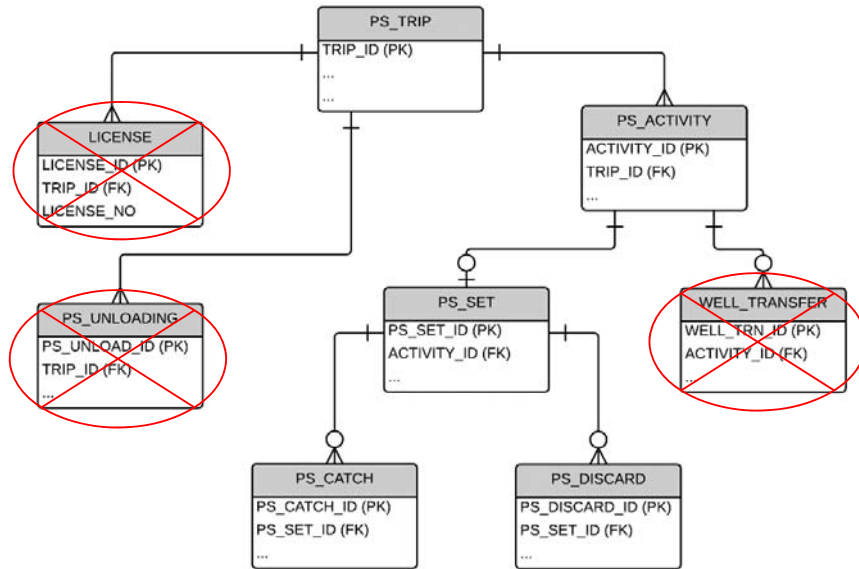
-----Original Message-----

From: Peter Williams [mailto:PeterW@spc.int]  
Sent: Monday, September 26, 2016 3:30 PM  
To: Hsiang-Yi Yu <hsiangyi@ms1.fa.gov.tw>; Lara.Manarangi-Trott@wcpfc.int  
Cc: '林醇樺??' <Dingrong@ms1.fa.gov.tw>; ??超?任技正 <chichao@ms1.fa.gov.tw>; '王秘?文英' <wenying@ms1.fa.gov.tw>; 傅家笏副醇樺 <joseph@ofdc.org.tw>  
Subject: RE: <FAMS1>Re: <FAMS1>Comments on the draft WCPFC E-Reporting standard fields for logsheet and observer data

# 1. PURSE SEINE LOGBOOK E-REPORTING STANDARDS

## 1.1 DATA MODEL DIAGRAM

The following basic data model diagram outlines the structure of the entities and their relationships for purse seine operational logsheet data collected by E-Reporting systems and submitted to national and regional fisheries authorities. The tables that follow provide more information on the mechanisms of the links (relationships) between the entities.



 **Not minimum data standards**

DRAFT

## 1.2 PURSE SEINE TRIP-LEVEL DATA

PS_TRIP							
"The start of a trip is defined to occur when a vessel (a) leaves port after unloading part or all of the catch to transit to a fishing area or (b) recommences fishing operations or transits to a fishing area after transshipping part or all of the catch at sea (when this occurs in accordance with the terms and conditions of article 4 of Annex III of the Convention, subject to specific exemptions as per article 29 of the Convention)."							
FIELD	Data Collection Instructions	Field format notes	Validation rules	NAF CODE	XML TAG	WCPFC FIELD	
TRIP IDENTIFIER	Internally generated. Can be NATURAL KEY or unique integer. NATURAL KEY would be VESSEL IDENTIFIER + DEPARTURE DATE				<TRIP_ID>		OK
VESSEL IDENTIFIER	<a href="#">REFER TO APPENDIX A4</a>						
COUNTRY OF CHARTER	PROVIDE the Country responsible for chartering the vessel, where relevant. This only applies if the vessel has been chartered according to the requirements under WCPFC CMM 2012-05 - chartering notifications.	CHAR(2)  ISO 3166-1 alpha-2 two-letter country code  UPPER CASE	ISO 3166-1 alpha-2 two-letter country code  This field must be completed if it has been listed as a chartered vessel on the WCPFC web site according to the requirements under WCPFC CMM 2012-05 - chartering notifications.	CS	<CHARTER>	Y	OK
AGENT FOR UNLOADING	PROVIDE the name of the Agent for the Unloading	CHAR(50)	Where possible, link this field to a reference table of authorised Agents for unloading. (referential integrity)	AN	<AGENT>	N	not minimum data standards
TRIP NUMBER	PROVIDE the trip number undertaken by this vessel for the year. Trip number is sequential, starting at 1 for first trip of the year for each vessel.	INTEGER(2)		TN	<TRIPNO>	N	not minimum data standards
PORT OF DEPARTURE	PROVIDE the Port of Departure	<a href="#">REFER TO APPENDIX A3</a>	Must be valid United Nations - Code for Trade and Transport Locations (UN/LOCODE) - see <a href="http://www.unece.org/cefact/locode/service/location">http://www.unece.org/cefact/locode/service/location</a>	PE	<PORTDEPART>	Y	OK
PLACE OF UNLOADING	PROVIDE the Port of Return for Unloading	<a href="#">REFER TO APPENDIX A3</a>	Must be valid United Nations - Code for Trade and Transport Locations (UN/LOCODE)	PO	<PORTUNLOAD>	Y	OK

## PS\_TRIP

“The start of a trip is defined to occur when a vessel (a) leaves port after unloading part or all of the catch to transit to a fishing area or (b) recommences fishing operations or transits to a fishing area after transshipping part or all of the catch at sea (when this occurs in accordance with the terms and conditions of article 4 of Annex III of the Convention, subject to specific exemptions as per article 29 of the Convention).”

FIELD	Data Collection Instructions	Field format notes	Validation rules	NAF CODE	XML TAG	WCPFC FIELD	
DATE and TIME OF DEPARTURE	PROVIDE the GMT/UTC DATE and TIME of departure for this trip	<a href="#">REFER TO APPENDIX A1</a>	ISO 8601 - Dates and times format  The chronology of Departure date with respect to Date of arrival in port and the Days at sea must be valid.	SD ST	<DATEDEPART> <TIMEDEPART>	Y	OK
DATE AND TIME OF ARRIVAL IN PORT	PROVIDE the GMT/UTC DATE and TIME of arrival back in port for this trip	<a href="#">REFER TO APPENDIX A1</a>	ISO 8601 - Dates and times format  The chronology of Arrival date with respect to Date of Departure and the Days at sea must be valid.	ED ET	<DATEARRIVAL> <TIMEARRIVAL>	Y	OK
FISH ONBOARD - START	PROVIDE the total amount of fish on-board at the time of leaving port on this trip.	NUMBER(4)	WARNING: Should be a realistic amount. For example, having catch >200 t. would be unrealistic?	QS	<AMOUNTSTART>	N	not minimum data standards
FISH ONBOARD - END	PROVIDE the total amount of fish on-board AFTER ALL UNLOADINGS have been undertaken before the next trip.	NUMBER(4)	WARNING: Should be a realistic amount. For example, having catch >200 t. would be unrealistic?  Having catch greater than what was caught on the trip is not possible.	QE	<AMOUNTAFTER>	N	not minimum data standards

### 1.3 LICENSE/PERMIT DATA

LICENSE							
PROVIDE each LICENSE/PERMIT that the vessel holds for the period of the trip.							
FIELD	Data Collection Instructions	Field format notes	Validation rules	NAF CODE	XML TAG	WCPFC FIELD	
TRIP IDENTIFIER	Internally generated. Can be NATURAL KEY or unique integer. NATURAL KEY would be VESSEL + DEPARTURE DATE				<TRIP_ID>		not minimum data standards
FISHING PERMIT/LICENSE NUMBERS	PROVIDE License/Permit number that the vessel holds for the period of the TRIP.	CHAR(40) UPPER CASE	Where possible, include validation to ensure the Permit format relevant to the agreement (national or sub-regional) complies to the required format.	LC	<LICENSE_NO>	N	not minimum data standards

## 1.4 PS UNLOADING DATA

PS UNLOADING							
PROVIDE information for TRIP UNLOADING INFORMATION which covers one or several unloading events during or at the end of the trip to (i) carriers, (ii) on-shore processing plants (Canneries) and/or (iii) a net-share event with another catcher vessel							
FIELD	Data Collection Instructions	Field format notes	Validation rules	NAF CODE	XML TAG	WCPFC FIELD	
TRIP IDENTIFIER	Internally generated. Can be NATURAL KEY or unique integer. NATURAL KEY would be VESSEL + DEPARTURE DATE		Link to TRIP information		<TRIP_ID>		not minimum data standards
UNLOADING START DATE	PROVIDE the start date for this specific Unloading event	<a href="#">REFER TO APPENDIX A1</a>	ISO 8601 - Dates and times format GMT/UTC time [YYYY]-[MM]-[DD]T[HH]:[MM]Z The chronology of Unload Start date with respect to other dates for the trip and unloading must be valid.	SD	<STARTDATE>	N	not minimum data standards
UNLOADING END DATE	PROVIDE the end date for this specific Unloading event	<a href="#">REFER TO APPENDIX A1</a>	ISO 8601 - Dates and times format GMT/UTC time [YYYY]-[MM]-[DD]T[HH]:[MM]Z The chronology of Unload End date with respect to other dates for the trip and unloading must be valid.	ED	<ENDDATE>	N	not minimum data standards
CARRIER VESSEL IDENTIFIER	<a href="#">REFER TO APPENDIX A4</a> If relevant, PROVIDE the receiving CARRIER VESSEL for this specific Unloading event. Note that for NET-SHARE events, this could be another purse seine catcher vessel. If Relevant, PROVIDE the FFA VID for the CARRIER vessel. Must be consistent with the WCPFC and FFA Vessel Registers						
CANNERY/ DESTINATION	If relevant, PROVIDE the receiving CANNERY/DESTINATION for this specific Unloading event.	CHAR(40) UPPER CASE	Where possible, link this field to a reference table of authorised Canneries/Destinations	FD FN	<DESTINATION>	N	not minimum data standards

### PS UNLOADING

PROVIDE information for TRIP UNLOADING INFORMATION which covers one or several unloading events during or at the end of the trip to (i) carriers, (ii) on-shore processing plants (Canneries) and/or (iii) a net-share event with another catcher vessel

FIELD	Data Collection Instructions	Field format notes	Validation rules	NAF CODE	XML TAG	WCPFC FIELD	
			(referential integrity)				
SKJ UNLOADED	PROVIDE the total weight (metric tonnes) of SKIPJACK unloaded in this specific Unloading event	DECIMAL(7,3)	CONTROL TOTAL CHECK: Total amounts for this trip should reconcile checking total trip catch, catch on-board at start, catch on-board at end and all unloading events.	DQ	<UNLOADSKJ>	N	not minimum data standards
YFT UNLOADED	PROVIDE the total weight (metric tonnes) of YELLOWFIN unloaded in this specific Unloading event	DECIMAL(7,3)		DQ	<UNLOADYFT>	N	not minimum data standards
BET UNLOADED	PROVIDE the total weight (metric tonnes) of BIGEYE unloaded in this specific Unloading event	DECIMAL(7,3)		DQ	<UNLOADBET>	N	not minimum data standards
MIXED TUNA UNLOADED	PROVIDE the total weight (metric tonnes) of MIXED TUNA unloaded in this specific Unloading event	DECIMAL(7,3)		DQ	<UNLOADMIX>	N	not minimum data standards
OTHERS UNLOADED	PROVIDE the total weight (metric tonnes) of OTHERS unloaded in this specific Unloading event	DECIMAL(7,3)		DQ	<UNLOADOTH>	N	not minimum data standards
REJECTS UNLOADED	PROVIDE the total weight (metric tonnes) of REJECTED TUNA unloaded in this specific Unloading event	DECIMAL(7,3)		RT	<UNLOADREJ>	N	not minimum data standards

## 1.5 PS ACTIVITY DATA

PS ACTIVITY							
PROVIDE information on the designated activities for each DAY AT SEA							
FIELD	Data Collection Instructions	Field format notes	Validation rules	NAF CODE	XML TAG	WCPFC FIELD	
TRIP IDENTIFIER	Internally generated. Can be NATURAL KEY or unique integer. NATURAL KEY would be VESSEL + DEPARTURE DATE		Link to TRIP information		<TRIP_ID>		OK
ACTIVITY IDENTIFIER	Internally generated. Can be NATURAL KEY or unique integer. NATURAL KEY would be DATE + START TIME OF ACTIVITY				<ACTIVITY_ID>		OK
DATE	PROVIDE the DATE for each day that the vessel is at sea.	<a href="#">REFER TO APPENDIX A1</a>	Expect to be automatically integrated/generated with GPS DEVICE	DA	<DATE_EVENT>	Y	OK
START TIME OF ACTIVITY	PROVIDE the time when the ACTIVITY started	<a href="#">REFER TO APPENDIX A1</a>	Expect to be automatically integrated/generated with GPS DEVICE	ST	<TIME_EVENT>	Y	OK
LATITUDE	PROVIDE the LATITUDE position when the ACTIVITY started	<a href="#">REFER TO APPENDIX A2</a>	Expect to be automatically integrated/generated with GPS DEVICE	LT	<LAT> <LATH>	Y	OK
LONGITUDE	PROVIDE the LONGITUDE position when the ACTIVITY started	<a href="#">REFER TO APPENDIX A2</a>	Expect to be automatically integrated/generated with GPS DEVICE	LG	<LON> <LONH>	Y	OK
ACTIVITY	PROVIDE each new ACTIVITY of the vessel within the DAY	<a href="#">REFER TO APPENDIX A5</a>	The code must be within the valid range. Ensure relational integrity for certain values, for example, "1 - Fishing Set" must link to a SET record and perhaps to other tables "8 - Non-Set Well Transfer" must link to a WELL_TRANSFER record	AT	<S_ACT_ID>	Y	OK



## 1.6 PS SET LEVEL DATA

PS_SET							
PROVIDE information for each FISHING SET							
FIELD	Data Collection Instructions	Field format notes	Validation rules	NAF CODE	XML TAG	WCPFC FIELD	
TRIP IDENTIFIER	Internally generated. Can be NATURAL KEY or unique integer. NATURAL KEY would be VESSEL + DEPARTURE DATE		Link to TRIP information		<TRIP_ID>		OK
ACTIVITY IDENTIFIER	Internally generated. Can be NATURAL KEY or unique integer. NATURAL KEY would be DATE + START TIME OF ACTIVITY		Link to ACTIVITY (SET)		<ACTIVITY_ID>		OK
START DATE/TIME OF SET	PROVIDE the start time of the set which is defined at the time the SKIFF is launched.	<a href="#">REFER TO APPENDIX A1</a>	Expect to be automatically integrated/generated with GPS DEVICE  The chronology of SET START TIME with respect to other dates/times for the trip must be valid.	ST	<SETSTART>	Y	OK
END DATE/TIME OF SET	PROVIDE the end time of the set which is defined as the time when the "RINGS UP" ON DECK.	<a href="#">REFER TO APPENDIX A1</a>	Expect to be automatically integrated/generated with GPS DEVICE  The chronology of SET END TIME with respect to other dates/times for the trip must be valid.	ET	<SETEND>	Y	OK
SCHOOL ASSOCIATION	PROVIDE the School Associated Code	<a href="#">REFER TO APPENDIX A6</a>	The code must be within the valid range.	SA	<SCHOOL>	Y	OK
SCHOOL ASSOCIATION NOTE	PROVIDE information of the SCHOOL ASSOCIATION in cases where the school association is not covered in the list of School association codes 1. To 7.	VARCHAR(30)	Used only when the SCHOOL ASSOCIATION = 8	SA	<SCH_NOTE>	Y	OK

## 1.7 PS CATCH DATA

PS_CATCH							
PROVIDE information on each species catch RETAINED from a SET							
FIELD	Data Collection Instructions	Field format notes	Validation rules	NAF CODE	XML TAG	WCPFC FIELD	
TRIP IDENTIFIER	Internally generated. Can be NATURAL KEY or unique integer. NATURAL KEY would be VESSEL + DEPARTURE DATE		Link to TRIP information		<TRIP_ID>		OK
ACTIVITY IDENTIFIER	Internally generated. Can be NATURAL KEY or unique integer. NATURAL KEY would be DATE + START TIME OF ACTIVITY		Link to ACTIVITY (SET)		<ACTIVITY_ID>		OK
SET IDENTIFIER	Internally generated. Can be NATURAL KEY or unique integer. NATURAL KEY would be DATE + START TIME OF SET		Link to PS_SET		<PS_SET_ID>		OK
SPECIES CODE	For each species taken in the set and RETAINED, PROVIDE the SPECIES CODE according to the FAO standard species code list	CHAR(3)	<a href="#">REFER TO APPENDIX 7.</a>	DC	<SP_CODE>	Y	OK
SIZE CATEGORY	For Yellowfin (YFT) and Bigeye tuna (BET) RETAINED catch, distinguish the catch by size category < 9kgs and > 9kgs) otherwise leave blank.	CHAR(2)	LG - Large Fish (>= 9 kgs) SM - Small Fish (< 9 kgs) <Blank> - Not applicable Validate that it can only be used for YFT and BET.	DC	<SP_SIZE>	N	not minimum data standards
WELL TO	Well number where the catch is moved to.  Set catch for this species/size category may be moved to more than one well. (Used for Catch Documentation systems).	CHAR(3)	Valid code DIS - Discard of fish to sea from a well (e.g. due to spoilage) Snn - Starboard well with number = <nn> Pnn - Port well with number = <nn> Cnn - Central well with number = <nn>	TC	<WELL_TO>	N	not minimum data standards
RETAINED WEIGHT	PROVIDE the RETAINED ESTIMATED WEIGHT (metric tonnes, to 3 decimal places if possible) covering this species/size category combination.	DECIMAL(7,3)	Validate that it is within the acceptable range for this species. (Refer to the SPECIES_RANGE table provided)	DC	<SP_RET_MT>	Y	OK
RETAINED NUMBER	PROVIDE the RETAINED NUMBER covering this species/size category combination. This is only required for non-target species.	INTEGER(6)	Validate that it is within the acceptable range for this species. (Refer to the SPECIES_RANGE table provided)	DC	<SP_RET_NO>	N	not minimum data standards

## 1.8 PS DISCARD DATA

PS DISCARD							
PROVIDE information on each species catch DISCARDED from a SET							
FIELD	Data Collection Instructions	Field format notes	Validation rules	NAF CODE	XML TAG	WCPFC FIELD	
TRIP IDENTIFIER	Internally generated. Can be NATURAL KEY or unique integer. NATURAL KEY would be VESSEL + DEPARTURE DATE		Link to TRIP information		<TRIP_ID>		OK
ACTIVITY IDENTIFIER	Internally generated. Can be NATURAL KEY or unique integer. NATURAL KEY would be DATE + START TIME OF ACTIVITY		Link to ACTIVITY (SET)		<ACTIVITY_ID>		OK
SET IDENTIFIER	Internally generated. Can be NATURAL KEY or unique integer. NATURAL KEY would be DATE + START TIME OF SET		Link to PS_SET		<PS_SET_ID>		OK
SPECIES CODE	For each species taken in the set and DISCARDED, PROVIDE the SPECIES CODE according to the FAO standard species code list	CHAR(3)	<a href="#">REFER TO APPENDIX 7.</a>	DI	<SP_CODE>	Y	OK
DISCARDED WEIGHT	PROVIDE the DISCARDED ESTIMATED WEIGHT (metric tonnes, to 3 decimal places if possible) covering this species.	DECIMAL(7,3)	Validate that it is within the acceptable range for this species. (Refer to the SPECIES_RANGE table provided)	DI	<SP_DISC_MT>	Y	OK
DISCARDED NUMBER	PROVIDE the DISCARDED NUMBER, where appropriate.	INTEGER(6)	Validate that it is within the acceptable range for this species. (Refer to the SPECIES_RANGE table provided)	DI	<SP_DISC_NO>	Y	OK
REASON FOR DISCARD	PROVIDE the reason for the DISCARD.	INTEGER(1)	<a href="#">REFER TO APPENDIX 8.</a>	DI	<DISC_REA_ID>	Y	OK
REASON FOR DISCARD NOTE	PROVIDE information of the REASON FOR DISCARD in cases where the code is not covered in the list of Reason codes 1. To 4.	VARCHAR(30)	Used only when the REASON FOR DISCARD = 5	DI	<DISC_NOTE>	Y	OK