



Pacific
Community
Communauté
du Pacifique

Progress on testing the ER data field standards

SECOND E-REPORTING AND E-MONITORING WG MEETING
(ERandEMWG2)
SC 12, Bali, Indonesia
1-2 August 2016

Progress on testing the ER data field standards



33. The EMandERWG tasked the sub-working group to:

...

- iii. undertake testing as appropriate, of data submission by CCMs working with the Secretariat or SPC using the master list of electronic data standards;

...

Several CCMs kindly offered to test the draft standards ...

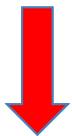
TEST standards - Progress to date...



New Zealand

- POC with NZ established (database analyst)
- Regular exchange on logbook ER standards
- Alignment of standards to NZ Logbook data fields ✓
- Observer data fields - work-in-progress (with SPC to provide EXCEL version of tables)...

PS_SET							
PROVIDE information for each FISHING SET							
FIELD	Data Collection Instructions	Field format notes	Validation rules	NAF CODE	XML TAG	WCPFC FIELD	MPI? Y/N
TRIP IDENTIFIER	Internally generated. Can be NATURAL KEY or unique integer. NATURAL KEY would be VESSEL + DEPARTURE DATE		Link to TRIP information		<TRIP_D>		Y
ACTIVITY IDENTIFIER	Internally generated. Can be NATURAL KEY or unique integer. NATURAL KEY would be DATE + START TIME OF ACTIVITY				<ACTIVITY_D>		Y
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_D>		Y



TEST standards - Progress to date...



SATLINK technical service provider – E-Monitoring

- Acknowledged draft OBSERVER data file standards
- Used these standards to develop export of XML data from their EM system
- Have requested the 'XSD' to ensure consistency with validation checks and test their XML structure

TEST standards - Progress to date...



iFIMS (PNA with PNG taking lead in trials)

- Use ER draft standards for logbooks and observer data
- eLOG (logbook data) data have been provided to SPC in JSON format
- eOBS (E-reported observer data) will follow in JSON format...
- eOBS will also cover data generated from E-Monitoring trials
- Development of a “JSON Schema” (XSD equivalent) ??

Example of iFIMS eLOG data submitted in JSON format adhering to ER draft standards



JSON Input

```
1 [{"PS_TRIP":{"TRIP_ID":6140,"VESSEL_IDENTIFIER":{"VESSELNAME":"BAE FU 103","COUNTRYREG":"TW","REGNO":"CT70438","FFAVID":"25437","WIN":"4013","IMO_UVI":null,"IRCS":"BZNF"},"CHARTER":null,"AGENT":"COASTAL SHIPPING","TRIPNO":"25","PORTDEPART":"PGRAB","PORTUNLOAD":"PGRAB","DATEDEPART":"2016-03-24Z","TIMEDEPART":"00:00Z","DATEARRIVAL":"2016-04-24Z","TIMEARRIVAL":"23:40Z","AMOUNTSTART":0,"AMOUNTEND":0},"LICENSE":{"TRIP_ID":6140,"0":[{"LICENSE_NO":"FM16-TW25437PS-01","LICENSE_NO":"NR16TWPS-25437-01"},{"LICENSE_NO":"PNG-541"},{"LICENSE_NO":"TV16-TW25437PS-026"}]}},{"PS_UNLOADING":{"TRIP_ID":6140,"STARTDATE":"2016-04-25T00:00Z","ENDDATE":"2016-04-28T03:00Z","VESSEL_IDENTIFIER":{"VESSELNAME":"TAI NING","COUNTRYREG":null,"REGNO":null,"WIN":null,"IMO_UVI":null,"IRCS":"BBQR"},"DESTINATION":null,"UNLOADYFT":"121","UNLOADBET":"10","UNLOADMIX":"","UNLOADOTH":"","ACTIVITY_ID":"128580","DATE_EVENT":"2016-03-25Z","TIME_EVENT":"00:00Z","LAT":"-4.206","LON":"152.1751","S_ACT_ID":"1"},{"ACTIVITY_ID":"128582","DATE_EVENT":"2016-03-26Z","TIME_EVENT":"00:00Z","LAT":"-3.341","LON":"156.381","S_ACT_ID":"1"},{"ACTIVITY_ID":"128587","DATE_EVENT":"2016-03-27Z","TIME_EVENT":"19:18Z","LAT":"156.539","S_ACT_ID":"1"},{"ACTIVITY_ID":"128589","DATE_EVENT":"2016-03-29Z","TIME_EVENT":"00:00Z","LAT":"156.713","S_ACT_ID":"2"},{"ACTIVITY_ID":"129545","DATE_EVENT":"2016-03-30Z","TIME_EVENT":"07:07Z","LAT":"-0.495","LON":"152.67","S_ACT_ID":"1"},{"ACTIVITY_ID":"129546","DATE_EVENT":"2016-03-31Z","TIME_EVENT":"21:00Z","LAT":"152.831","S_ACT_ID":"1"},{"ACTIVITY_ID":"129547","DATE_EVENT":"2016-04-01Z","TIME_EVENT":"00:00Z","LAT":"-1.077","LON":"152.831","S_ACT_ID":"1"},{"ACTIVITY_ID":"129548","DATE_EVENT":"2016-04-02Z","TIME_EVENT":"07:13Z","LAT":null,"LON":null,"S_ACT_ID":null}]}]}
```

Result : Tree Viewer

- root {1}
 - array [33]
 - 0 {1}
 - PS_TRIP {13}
 - TRIP_ID : 6140
 - VESSEL_IDENTIFIER {7}
 - VESSELNAME : BAE FU 103
 - COUNTRYREG : TW
 - REGNO : CT70438
 - FFAVID : 25437
 - WIN : 4013
 - IMO_UVI : null
 - IRCS : BZNF
 - CHARTER : null
 - AGENT : COASTAL SHIPPING
 - TRIPNO : 25
 - PORTDEPART : PGRAB
 - PORTUNLOAD : PGRAB
 - DATEDEPART : 2016-03-24Z

<http://codebeautify.org/jsonviewer#>

Version control in draft ER data standards



Western and Central Pacific Fisheries Commission (WCPFC)

E-REPORTING STANDARD DATA FIELDS

OPERATIONAL OBSERVER DATA

10th June 2015

CURRENT VERSION:	2.00
DATE:	22 nd February 2016
STATUS:	Draft – yet to be approved

Version Number	Date Approved	Approved by	Brief Description
1.00 (Draft)	July 2015	WCPFC ER and EM meeting (Nadi, Fiji)	First version draft accepted by the meeting
2.00	TBA		<ul style="list-style-type: none"> - Recommendations for update from WCPFC12 <ul style="list-style-type: none"> o New codes for species interaction in longline (Table A32) o Several bird mitigation fields collected at the SET LEVEL o Offal management field collected at SET level o Enhanced Sharkline information collected at SET level - Add fields for date-time and position for each catch event and each float retrieval which are automatically generated from EM systems - ... - ...

Where to from here ...



Draft list of work to do ...

- Need further feedback from CCMs...
- Further testing of draft standards
- Development of XSD and JSON schema (very important !)
- Development of data loaders (JSON, XML, others)
- Develop metadata database for data field standards
 - Easier to manage updates and dissemination ...
 - Links ER and EM standards with current data fields
 - Provide web access to users ...
 - [When time permits ...]

Main Issue:

Considerable work to do but not much available time !