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 …
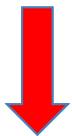
TEST standards - Progress to date...

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

http://codebeautify.org/jsonviewer#

Version control in draft ER data standards

Pacific Community
Communauté du Pacifique

Western and Central Pacific Fisheries Commission (WCPFC)

E-REPORTING STANDARD DATA FIELDS

OPERATIONAL OBSERVER DATA

10th June 2015

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

Version Number	Date Approved	Approved by	Brief Description
1.00 (Draft)	July 2015	WCPFC ERandEM meeting (Nadi, Fiji)	First version draft accepted by the meeting

2.00	TBA		– Recommendations for update from WCPFC12
			   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 !