Commission for the Conservation of
Southern Bluefin Tuna

みなみまぐろ保存委員会

Progress Update on the CCSBT's Online Data Submission/ Access and Trial eCDS Projects

Introduction
This paper provides updates on the progress of two projects:
1) Development of a web-based system for Online Data Submission/Data Access tools. The project proposal was presented to Members at the Thirteenth Meeting of the Compliance Committee (CC13) in paper CCSBT–CC/1810/22 and an update provided to Members at the Fourteenth Meeting of the Compliance Committee (CC14) in paper CCSBT–CC/1910/13.
2) Development of a trial eCDS. The indicative costs of developing a trial eCDS using the TUFMAN 2 platform were presented to Members at the First Meeting of the Technical Compliance Working Group (TCWG) in paper CCSBT-TCWG/1910/05. This was discussed further at CC13 and referred to the Extended Commission (EC). At the Twenty-Sixth Annual Meeting of the Commission (CCSBT26) Members supported developing a trial eCDS based on the current (2014) CDS Resolution. A budget of $150,000 was approved for 2020.

There is a considerable amount of overlap between these two projects. They both use the same core framework, based on SPC's TUFMAN 2, and are being developed by the same contractor. This has provided considerable efficiencies in development and will result in the eCDS system being integrated with project "1" above.

1. On-line Data Submission/Data Access tools

Progress
Table 1 shows the components of the system to be developed in 2020 together with the progress achieved so far. Progress has been good and within budget, with most of the planned work for 2020 having been completed. The system has been deployed to the cloud server for testing by the Secretariat and Members.

Table 1: Development progress against elements of the new system

Year	Component Description	Estimated Cost	Progress
2019	(PREREQUISITE FOR ALL OTHER ITEMS) 1. Coding of required TUFMAN 2 framework elements including: • User authentication • User authorisation • User administration • Enabling visibility rules • Enabling notifications • Documentation • Maintenance • Deployment (to in-house server)	$24,200	Completed

	2. Monthly catch reports: • Populate with all current and historical monthly catch data • Submit, display and edit	$9,350	Undergoing testing by Members
	3. Authorised validators: Submit, display and edit (no bulk upload)	$3,300	Undergoing testing by Members
	Subtotal (2019):	**$36,850**	
2020	4. Authorised vessels (FVs & CVs): Submit, display and edit (bulk upload is separate – see item 5)	$6,600	Completed – Secretariat to commence testing soon
	5. Authorised vessels (FVs & CVs): • Include a bulk upload facility	$5,500	In progress
	6. Automated reminder facility: • To provide system-wide automated data submission reminders	$6,050	In progress
	7. Maintenance/ bug fixes: • As required	$5,500	Ongoing
	8. Cloud hosting: • Move to cloud-hosting	$11,000	Completed
	Total (2020):	**$34,650**	

At the time of writing, the consultant had completed 273 hours of work out of 314 contracted hours, with 41 hours remaining. The remaining hours will be used to:
- Finalise the authorised vessels bulk upload facility;
- Finalise automated reminder facility;
- Provide support and maintenance for the rest of 2020.

Work remaining for 2020
The following work is planned to finalise the 2020 components of the project:
- Finalise components 5 and 6 in Table 1;
- Review of the system by Members, with feedback provided to the Secretariat;
- Plan for the deployment of production version in 2021

Planned work for 2021
The focus for 2021 is to finalise the system and have it deployed in production form.

Year	Component Description	Estimated Cost (rounded)
2021	9. Maintenance/Enhancements/bug fixes: • As required	$7,500
	Deploy final version for use by members	
	Total:	**$7,500**

2. Trial eCDS

Progress
Table 2 shows a summary of the eCDS progress as at the time of writing. The CDS online forms have been developed and are currently being trialled by the Secretariat, but are not yet ready to be trialled by Members. Sample screenshots are provided in Attachment A.

Current work is focussing on certification, validation, and the rules of data visibility. There are a number of considerations identified so far, such as:
- How certifiers and validators will access documents;
- What users will see when they login to the system;

- What forms are shared among users from the same company; and
- What information on forms is compulsory and what can be missing.

Some of these questions require input and agreement from Members. The Secretariat recommends that an online working group be formed to address these and other issues, such as defining a set of data quality rules for each form. The working group could correspond via email and meet by webinar if required. It is suggested that the Secretariat prepare a working document with the issues and rules for discussion, which could become part of the documentation for the eCDS.

The Secretariat seeks guidance from Members on the next steps, in particular how and when discussion and demonstration of the current version of the eCDS can take place. This could also be discussed and decided in the working group unless the Compliance Committee can provide guidance.

Table 2: Development progress of the eCDS

Component Description	Progress
Online form development: • Catch monitoring form (CMF) • Re-export/export after landing of domestic product (REEF) • Farm stocking form (FSF) • Farm transfer form (FTF)	Completed – Ready for testing by Secretariat once the work below is completed
Form validation / certification	In progress
Form data quality checks	In progress
User access rules	In progress
Printable forms (CMF, REEF)	To be done

At the time of writing, the consultant had completed 405 hours of work out of a maximum of 1363 contracted hours. This is equal to $44,550 of the maximum $150,000.

3. Recommendations

On-line Data Submission/Data Access tools
- Members to continue the trial and provide feedback to the Secretariat
- Project development to continue in 2020 for final testing and deployment in 2021

eCDS
- Continue the eCDS development during the remainder of 2020 and into 2021
- Form a working group to advise on the rules for data access and data quality checks
- The working group to provide guidance on further development of the eCDS

Prepared by the Secretariat

Trial eCDS screenshots

Contents

Catch Monitoring Forms (CMF)

CMF list

Catch / harvest section (wild)

Catch / harvest section (farm)

CMEU20F000101 EU Farm 1

Catch monitoring (CMF)

Catch/harvest

Document #	Farm name	Processing establishment					
CMEU20F000101	EU Farm 1	EU Company 1			Total weight		345 kg
					Total #		12

Product	Type	Month of harvest (mmyy)	Gear code	Statistical area of catch	Weight	Total # of whole fish	
F: Fresh	GGO: Gilled and gutted - tail on	Jan 2020	FARM	3	180	6	🗑
F: Fresh	GGO: Gilled and gutted - tail on	Feb 2020	FARM	3	165	6	🗑

Validation: Authority (not for transhipments)

-

Validation of catch / harvest section by validator

CMCCSBT200661101 EU Vessel 1A

Catch monitoring (CMF) | Tags (CTF) | Charts

Catch/harvest

Document #	Vessel name ℹ	Processing establishment					
CMCCSBT200661101	EU Vessel 1A	EU Company 1			Total weight		730 kg
					Total #		13

Product	Type	Month of harvest (mmyy)	Gear code	Statistical area of catch	Weight	Total # of whole fish
FR: Frozen	GGO: Gilled and gutted - tail on	Jan 2020	LL: Longline	8	250	5
FR: Frozen	GGO: Gilled and gutted - tail on	Jan 2020	LL: Longline	9	480	8

Validation: Authority (not for transhipments)

☑ I validate that the above information is complete, true and correct to the best of my knowledge and belief

Job title

Fishery officer

CMEU200661102 EU Vessel 1A
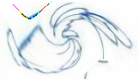
Catch monitoring (CMF) | Tags (CTF) | Charts

Catch/harvest

Document #	Vessel name ℹ	Processing establishment					
CMEU200661102	EU Vessel 1A	EU Company 1			Total weight		65 kg
					Total #		2

Product	Type	Month of harvest (mmyy)	Gear code	Statistical area of catch	Weight	Total # of whole fish
FR: Frozen	GGO: Gilled and gutted - tail on	Sep 2020	LL: Longline	8	65	2

Validation: Authority (not for transhipments)

EU_Validator1@ccsbt.org   20 Sep 2020 14:32   Signature   Seal
Name:
Job title: Fisheries Officer

Intermediate product destination section

Intermediate product destination				
Transhipment				
Certification: Master of fishing vessel				
EU_Vessel1Master@ccsbt.org	20 Sep 2020 14:35			
Receiving vessel	ℹ️			
EU Vessel 1A				
Certification: Master of receiving vessel				
EU_Vessel2Master@ccsbt.org	20 Sep 2020 14:36			
Certification: Observer (only for transhipments at sea)				
-				
Export				
Point of export				
Auckland, New Zealand				
Certification: Exporter				
EU_Company2Staff@ccsbt.org Licence #: AB12345	20 Sep 2020 14:43			
Validation: Authority (export)				
EU_Validator2@ccsbt.org Name: Je~~⌇⌇⌇~~ Job title: Fisheries Officer II	20 Sep 2020 15:50	Signature	Seal	

Final product destination section

Final product destination		
Import		
Final point of import	**Type**	**Weight (kg)**
Manila, Philippines	GGO: Gilled and gutted - tail on	65
Certification: Importer		
EU_Company3Owner@ccsbt.org Address (optional):	20 Sep 2020 16:04	

Re-Export/Export After Landing of Domestic product Form (REEF)

Re-export/export forms (REEF) / View

🔘 Re-export   ⚪ Export after landing of domestic product

🔘 Full shipment   ⚪ Partial shipment

Form # of preceding document

🔘 CMF
⚪ REEF   CM | EU200661101

Export section

REEU2000005						
Export						

○ Re-export ◉ Export after landing of domestic product   ◉ Full shipment ○ Partial shipment

| Preceding document #	Exporting state/fishing entity	Point of export	Processing establishment		Total weight	77 kg
CMEU200661201	PH: Philippines	Manila, Philippines	EU Company 1		Total #	3

Product	Type	Weight	Total # of whole fish	
FR: Frozen	GGO: Gilled and gutted - tail on	77	3	🗑
				🗑

Destination (state/fishing entity)

MU: Mauritius

Certification: Exporter

EU_Company1Owner@ccsbt.org   20 Sep 2020 16:19
Licence #: CD67890

Validation: Authority

EU_Validator2@ccsbt.org   20 Sep 2020 16:21   Signature   Seal
Name: J
Job title: Fisheries Officer

Import section

Import	
Final point of import	
Port Louis, Mauritius	
Certification: Importer	
EU_Company2Staff@ccsbt.org	20 Sep 2020 16:24

Catch Tagging Form (CTF)

CMCCSBT200661101 EU Vessel 1A

Catch monitoring (CMF)	**Tags (CTF)**	Charts

Tag #	Type	Weight	Fork length	Gear code	Statistical area of ca...	Month of harvest (mmyy)	View import batch #	
EU18000035	GGT: Gilled and gutted - tail off	60	140	LL: Longline	8	Jan 2020		🗑
EU18000036	GGT: Gilled and gutted - tail off	58	138	LL: Longline	8	Jan 2020		🗑
EU18000037	GGT: Gilled and gutted - tail off	62	146	LL: Longline	8	Jan 2020		🗑
EU18000038	GGT: Gilled and gutted - tail off	57	140	LL: Longline	8	Jan 2020		🗑
EU18000039	GGT: Gilled and gutted - tail off	57	135	LL: Longline	8	Jan 2020		🗑
EU18000040	GGT: Gilled and gutted - tail off	66	160	LL: Longline	8	Jan 2020		🗑
EU18000041	GGT: Gilled and gutted - tail off	61	141	LL: Longline	8	Jan 2020		🗑
EU18000042	GGT: Gilled and gutted - tail off	61	140	LL: Longline	8	Jan 2020		🗑

Farm Stocking Form (FSF)

Catching vessel and towing sections

Farm stocking forms (FSF) / View

FSEU200661201 EU Vessel 1B

Catching vessel section				
First fishing date	Last fishing date	Catching vessel	ℹ	Statistical area of catch
01 Aug 2020	31 Aug 2020	EU Vessel 1B		8

Towing section	
Date tow commenced	Vessel name
01 Sep 2020	EU Vessel 1B

Description of mortalities during towing				
# of tow cages	First tow date	Last tow date	# of mortalities	Weight of mortalities
3	01 Sep 2020	09 Sep 2020	10	200 kg

Farm transfer section, certification and validation

Farm transfer section						
		Date range of transfers					
Farm name	First	Last	Average weight of fish (kg)	Method of weight estimation	Total weight (kg)	# of fish
EU Farm 1	10 Sep 2020	12 Sep 2020	20	100FS: 100 fish samples	1000	50

Certification: Quota holder			
EU_Farm1Staff@ccsbt.org	20 Sep 2020 16:35		

Validation: Authority			
EU_Validator2@ccsbt.org	20 Sep 2020 16:36	Signature	Seal
Name:			Ministry of Food, Agriculture and Fisheries, Danish Veterinary and Food Administration, Stationsparken 31, 2600 Glostrup
Job title: Fisheries Officer			

Farm Transfer Form (FTF)

Transferring section
Transferring farm
EU Farm 1

Towing section			
Date of tow	Towing vessel	Estimated weight of fish	Estimated # of fish
01 Jan 2020	EU Vessel 1A	150	6

Certification: Transferring farm	
EU_Farm1Staff@ccsbt.org	18 Sep 2020 17:26

Receiving section
Receiving farm
EU Farm 2

Certification: Receiving farm
☐ I certify that the above information is complete, true and correct to the best of my knowledge and belief

User interface

Form buttons and information boxes

Save 💾
Save & exit 💾 ↪
Delete 🗑
Cancel ✖
Add another ➕➕
Drop attachment here 📄

▲ Actions
Print ⬇

▲ Info	
System source	CcsbtT2
Country code	EU
Entered by	EU_Vessel1Master@ccsbt.org
Last edit	20 Sep 2020 16:04 by
	EU_Company2Owner@ccsbt.org
Visible in	CCSBT,JP,KR,AU,TW,ZA,ID,EU,NZ
Valid in	CCSBT,JP,KR,AU,TW,ZA,ID,EU,NZ
Access key	334706

▲ Links (2)			
Type			View da...
REEF	EU	👍	⚡ Go to...
REEF	EU	👍	⚡ Go to...

👍 Thumbs up!

User management

Name ↑	Email	Roles	Enabled?	Last edited	
CMillar@ccsbt.org	CMillar@ccsbt.org	Data Manager	✓	24 Aug 2020 14:40	👁 View
EU_StaffAdmin@ccsbt.org	EU_StaffAdmin@ccsbt.org		✓	16 Sep 2020 14:25	👁 View
EU_StaffCompliance@ccsbt.org	EU_StaffCompliance@ccsbt.org	EU Staff	✓	16 Sep 2020 14:47	✏ Edit
EU_Validator1@ccsbt.org	EU_Validator1@ccsbt.org	EU Validator	✓	18 Sep 2020 11:11	✏ Edit
EU_Validator2@ccsbt.org	EU_Validator2@ccsbt.org	EU Validator	✓	18 Sep 2020 14:55	✏ Edit

Users / List   11 ⬇   + Create new user

Roles / View

Name
EU Staff

Description
EU eCDS Test

☑ EU_StaffCompliance@ccsbt.org   ☐ EU_Validator1@ccsbt.org   ☐ EU_Validator2@ccsbt.org

Module	View	Add	Edit	Delete
CDS	☑	☑	☑	☑
CatchReports	☐		☐	
RefTables		☑	☑	
Security	☐	☐	☐	☐
Transhipments	☐	☐	☐	☐
ValidatorsSeals	☑	☑	☑	
VesselAuthorisations	☑	☑	☑	☑

Save 💾
Save & exit 💾↗
Delete 🗑
Cancel ✖

Drop attachment here 📄

▼ Actions
▼ Info