UPDATE OF PRELIMINARY CONSIDERATION OF ANTICIPATED FORECAST OF SECRETARIAT WORK COMMITMENTS FOR TCC IN 2022/23

Secretariat

Purpose

1. This paper presents for the information of WCPFC18 participants, an update of the Secretariats initial internal planning to forecast the future work commitments of the Secretariat's MCS and Compliance programme in 2022/23.

Background

2. At TCC17 the Secretariat presented the paper **TCC17-2021-17** Preliminary consideration of anticipated forecast of Secretariat work commitments for TCC in 2022/23. The relevant recommendations from TCC17 stemming from the consideration of this paper were as follows…

   i) TCC17 noted the paper and expressed appreciation to the efforts of the Secretariat in mapping out the resource implications of future work commitments for the Secretariat's MCS and Compliance programme. (*draft TCC17 Summary Report para 188)*

   ii) TCC17 ==supported==, in principle and subject to resource availability, the Secretariat's intention to submit to FAC15 a proposed plan that identifies the necessary upgrades to IMS and securing supplementary dedicated analytical capacity for the Secretariat in 2022 and 2023. (*draft TCC17 Summary Report para 189)*

   iii) TCC17 noted the workload forecasted for the Secretariat to undertake in 2022 in support of the TCC workplan and ==recommended== that the Commission agree to require CCMs in 2022 to submit their Annual Report Part 2 at least 100 days prior to TCC18 (which is a date in mid-June instead of 1 July). (*draft TCC17 Summary Report para 190)*

3. The Secretariat has continued to keep under consideration the future work commitments for the MCS and Compliance programme in order to acquire the appropriate level of resources to support the implementation of the TCC workplan 2022 - 2024. This paper provides updated version of Table 1 from **TCC17-2021-17** paper, which considers the TCC17 outcomes, including the proposed TCC workplan 2022 - 2024 (*draft TCC17 Summary Report Attachment*

G), and proposals in WCPFC18 papers. The original TCC17 paper (**TCC17-2021-17**) is also included as **Annex A** to this paper.

Consideration of anticipated project activities and website/IMS related enhancement tasks in support of the TCC workplan that would require Secretariat work commitments in 2022/23

4. The following grouping of activities set out in **Table 1** below comprise current and proposed activities that the Secretariat would support or deliver from TCC17 outcomes, WCPFC18 meeting papers and relevant intersessional WCPFC processes. To assist CCMs, details for each activity are provided in the papers referenced by each item.

Table 1: Updated current and proposed activities listed in TCC17 papers/outcomes, WCPFC18 papers and CMM 2019-06 as at 24 November 2021

Activity	Status	Year and link to Annex A activity code		
		2021	**2022**	**2023**
A. Policy support to CMS IWG to progress the multi-year workplan of tasks (refer Annex 2 of TCC17-2021-17, WCPFC18-2021-29 and proposed TCC Workplan 2022 - 2024 priority task f) pages 4-6) *Risk Based Assessment framework - NZ-led activity (**TCC17-2021-13B**) *CMS Audit Points development - RMI-led activity *Further work to make future annual reporting processes more efficient and effective in supporting CMS (see suggestions in **TCC17-2021-10** pg 7-10) * Support development of process to consider aggregate summary tables from CCFS	**Incremental (Additional/New)** *In 2022/23 additional resources or budgetary support could be necessary to facilitate specific work*	2.1.1 2.1.3 2.1.7	2.1.1 2.1.3 2.1.7	2.1.4 2.1.3
2022+ leads to be confirmed * Develop corrective actions for compliance (anticipate completion in 2024)			2.1.1 2.1.3	2.1.4 2.1.3
* Guidelines for participation of observers in closed meetings that consider the CMR (anticipate completion in 2023) * **TCC17** recommended that the CMS-IWG, with assistance from the Secretariat, develop intersessionally a working paper aiming at: i) clarifying the nature of the information and data that populate the excel file supporting the dCMR, based on the WCPFC Rules for protection, access and dissemination of data held by the Commission, ii) identifying instances (categories in this excel file that supports the dCMR) that are likely to include data (*draft TCC17 Summary Report para 115)*		2.1.1 2.1.3	2.1.1 2.1.3	2.1.4 2.1.3

Activity	Status	Year and link to Annex A activity code		
		2021	**2022**	**2023**
B. Continued development of the Commission's Information Management System (IMS) to support implementation of the CMS with the aim of making it more efficient and effective by streamlining processes. **(proposed TCC Workplan 2022 - 2024 priority task i) page 7**) Proposed TCC workplan tasks 2022-2024 * Deliver new CCFS system that meets minimum requirements of the current CCFS in Jan 2022 * Implement any changes to AR/CMR online system considering new CMM on CMS and/or Commission approved outcomes from CMS-IWG (as adopted at WCPFC18, or subsequent years) * Support to the risk-based assessment framework and CMS Audit points trials (as approved at WCPFC18, or subsequent years) (see **WCPFC18-2021-29**) *Implement tasks to make future annual reporting processes more efficient and effective in supporting CMS (see **TCC17-2021-10** pgs 7 - 10) * Enhance Secretariat analytical capability and associated integrated-IMS tools to support the CMS (2022 - 2023), including aggregate summary tables and CMR outcomes (see **TCC17-2021-08A** Overview of CMS Matters for TCC17) * AR Pt 2 and CMR upgrade (IT-related system consolidation) in early 2023 (*see* **TCC17-2021-17** pg 9 *below*)	**Incremental (Additional/New)** *The Proposed 2022 and indicative 2023/24 budget currently provides modest amounts under "Information Management System" and "Enhance Secretariat Analytical Capacity" that are intended to support 2022 activities as are outlined in the proposed TCC workplan 2022-2024.*	2.1.5 3.2.1 3.2.3 3.1.2 3.2.1 3.2.2 3.2.3	2.1.5 3.2.1 3.2.3 2.1.3 2.1.4 2.1.7 3.1.2 3.1.3 3.2.1 3.1.2 3.2.1 3.2.2 3.2.3 2.1.3 2.1.4 3.2.1 3.2.3	 2.1.3 2.1.4 2.1.7 3.1.2 3.1.3 3.2.1 3.1.2 3.2.1 3.2.2 3.2.3 2.1.3 2.1.4 3.2.1
C. Enhancements to WCPFC CCFS: (see TCC17-2021-12 pages 6-7, and WCPFC18-2021-29, and proposed TCC Workplan 2022 - 2024 priority task f) page 5) Proposed TCC workplan tasks 2022-2024 * Complete delivery of WCPFC17 tasks to enhance CCFS to make it easier to use * Explore options for enhancing the CCFS through development of a messaging tool through	**Incremental** *The Proposed 2022 budget currently provides a modest amount for support to the completing the enhancements to the CCFS in 2022 as are outlined in the proposed TCC workplan 2022-2024.*	2.1.5 3.2.1	2.1.5 3.2.1	2.1.5

Activity	Status	Year and link to Annex A activity code		
		2021	**2022**	**2023**
which CCMs can request observer reports and ROP Providers can respond to requests * Consider further refinements to CCFS to create new CCFS lists for CMM 17-04 Marine Pollution and additional bycatch interactions (eg sea turtles), as well as to enhance Article 25(2) list * Implement refinements to aggregate summary tables				
D. Continued development of the Commission's IMS to support MCS activities, including exploration of IMS data submission and extraction tools. (proposed TCC Workplan 2022 - 2024 priority task o) page 10) Proposed TCC workplan tasks 2022-2024 * RFV upgrade (IT-related system consolidation in 2022/23 including consideration of the integration of FLUX protocol to support that work) (see **TCC17-2021-17** page 9)	**Incremental (Additional/New)** *The Proposed 2022 and indicative 2023/24 budget currently provides modest amounts under "Information Management System" and "Enhance Secretariat Analytical Capacity" that are intended to support most 2022 activities as are outlined in the proposed TCC workplan 2022-2024.*		2.1.2 2.1.6 3.2.1 3.2.3	2.1.2 2.1.6 3.2.1
* Develop automated extraction and provision IT tools to support the parameters of common data requests to support MCS activities in 2022/23 (see **TCC17-2021-RP08** Report admin of data rules pages 2-3)			2.1.2 3.1.6 3.2.3	2.1.2 2.1.6 3.1.6 3.2.1
* Enhance Secretariat analytical capability and associated integrated-IMS tools to support MCS activities and to enhance public access to WCPFC scientific data and information, and summary information from MCS programmes (2022 - 2023) (see **TCC17-2021-RP08** *Report admin of data rules* and **TCC17-2021-08A** *Overview of CMS Matters for TCC17*)	*In 2022/23 additional resources or budgetary support would be necessary to facilitate specific work related to FLUX protocol*	3.1.2 3.2.1	3.1.2 3.2.1	3.1.2 3.2.1
		3.2.2 3.2.3	3.2.2 3.2.3	3.2.2 3.2.3
E. Continued development of training resources and learning aids for the IMS (proposed TCC Workplan 2022 - 2024 page 11) * Extending helpdesk quick guide for typical member queries and for modified systems when streamlining is implemented.	**Incremental** *In 2022/23 this will be continued as time and resources permit*	2.1.4 2.1.5 2.1.6 3.2.1	2.1.4 2.1.5 2.1.6 3.2.1	2.1.4 2.1.5 2.1.6 3.2.1

Activity	Status	Year and link to Annex A activity code		
		2021	**2022**	**2023**
F. Support work by TCC to enhance how CCMs and Secretariats practices integrate to facilitate ongoing monitoring and compliance with CMM 2014-02 (VMS) (WCPFC18-2021-25 (_draft TCC17 Summary Report para 151)_ **and proposed TCC Workplan 2022 - 2024 priority task m) page 9)** * **TCC17** recommended that Secretariat to continue work, including with interested CCMs on a trial basis, to facilitate automatic integration of VMS manual reports into the Commission VMS within their existing budget. Report on their further progress to TCC18. * **TCC17** recommended that Secretariat to provide a report to TCC18 with suggested options and, if practical, an estimated timeline and costs to facilitate electronic (online) submission and processing of new and updated VTAFs. Any process shall track progress transparently with the relevant flag CCM that provides the VTAF. * **TCC17** recommended that Streamlined VMS reporting template to be used for AR Part 2 Report submissions until such time as the Commission's work developing Audit Points (including for VMS) may be completed * **TCC17** recommended that Secretariat to provide further information in the VMS Annual Report to TCC18 on the status of implementing VMS SWG recommendations * **TCC17** recommended that Secretariat to undertake technical work to expand VRST from 14-day view to be 31-day rolling view Proposed TCC workplan tasks 2022-2024 * Support work of TCC to provide advice on future work to enable direct/simultaneous VMS reporting by vessels/ALCs reporting to the WCPFC VMS (2022) *Support work of TCC to provide recommendations on 'VMS best practices' to minimize data gaps from VMS failures (2023)	**Incremental** _The Proposed 2022 budget currently provides modest amounts under "Information Management System" to support 2022 activities based on TCC17 Commission VMS recommendations_ _In 2023 additional resources or budgetary support could be necessary to facilitate specific work._	2.1.6 3.1.3	2.1.6 3.1.3	2.1.2
G. Support work of TCC related to the development, improvement and implementation of the Commission's	**Incremental (Additional/New)**		2.1.2 2.1.8	2.1.2 2.1.8

Activity	Status	Year and link to Annex A activity code		
		2021	**2022**	**2023**
measures for observer safety and related issues through proposed TCC Workplan 2022 - 2024 priority tasks l) page 9)	*In 2022/23 additional resources or budgetary support could be necessary to facilitate specific work*			
H. Support work of TCC to develop improved mechanisms for the flow of observer information from ROP Providers to CCMs needing such information for their investigations through proposed TCC Workplan 2022 - 2024 priority tasks n) page 9)	**Incremental (Additional/New)** *In 2022/23 additional resources or budgetary support could be necessary to facilitate specific work*		2.1.2 2.1.8	2.1.2 2.1.8
I. Support work to review and consider updates to improve the effectiveness of CMMs related to transhipment at sea and compliance with their provisions (proposed TCC Workplan 2022 - 2024 priority task q) page 11). Proposed TCC workplan tasks 2022-2024 * Review transhipment measure (CMM 2009-06) * TS-IWG is tasked to review CMM 2009-06 through analysis of transhipment data, and identify provisions that should be updated to address current practices. TS-IWG adopted scope of work (as at 17 March 2021) includes analyses of transhipment information that requires SPC-OFP and Secretariat support: * The Secretariat and SPC-OFP are to undertake Phase 1 data preparation in 2021 and Phase 2 : Data Compilation and Analysis will commence thereafter (in first quarter of 2022) *An in-kind contribution from the United States received in 2019 ($74,000) has been committed to consultancy costs for delivery of Phase 2 Data Compilation and Analysis.* * Phase 3: Qualitative Study, Literature Review, Policy Analysis (subject to available funds, aim for August 2022) (https://www.wcpfc.int/iwg-transhipment)	**Additional/New** *In 2022, additional consultancy funds are needed for Phase 3 to complete the scope of work within the proposed timeframes* *In 2022/23 additional resources or budgetary support could be necessary to facilitate specific work*	2.1.2 2.1.6	2.1.2 2.1.6	2.1.2

Activity	Status	Year and link to Annex A activity code		
		2021	**2022**	**2023**
Proposed TCC workplan tasks 2022-2024 * Support work of TCC to further develop protocols, observer data fields/forms including electronic data fields and databases, as needed, to better monitor transhipments at sea	**Additional/New** *In 2022/23 additional resources or budgetary support could be necessary to facilitate specific work*		*tbc*	*tbc*
* Secretariat-led study to identify and assess the high-level options and their potential costs and IT infrastructure for a WCPFC Secretariat role in receiving and managing Electronic Monitoring (EM) camera footage and data from an on-board camera system or data logger system (**WCPFC18-2021-IP10**). Transhipment monitoring was the focus for this work and Secretariat worked closely with ERandEM WG Chair and TS-IWG Co-Chairs.	**Incremental** *Completed in 2021 using part of an in-kind contribution from the United States received in 2020.*	2.1.7 3.1.3		
J. Support the intersessional work to develop and implement Commission measures for crew safety (proposed TCC Workplan 2022 - 2024 priority task e) page 4) At WCPFC17, "The Commission agreed to intersessional work to be led by Co-Leads Indonesia and an FFA Member through various means to promote discussion among members and enable the sharing of information, with initial discussion points to be developed in consultation with the Commission Chair and the Secretariat (**WCPFC18-2021-DP07**) Proposed TCC workplan tasks 2022-2024 * Support work of TCC to provide advice on intersessional work to improve crew safety, including advice on the development of a draft conservation and management measure (2022)	**Additional/New** *In 2022/23 additional resources or budgetary support could be necessary to facilitate specific work*	2.1.8	2.1.8	
K. Support work by TCC to review and provide advice improvements to the ROP data	**Incremental**	3.1.4	3.1.4	2.1.2

Activity	Status	Year and link to Annex A activity code		
		2021	**2022**	**2023**
fields, including those in ROP prenotifications, to allow for more useful consideration in the compliance case file system and compliance review process to explore refinements to ROP data fields to better support monitoring of current CMMs (see TCC17-2021-RP02_rev1 ROP Annual Report page 20 and proposed TCC Workplan 2022 - 2024 priority task j) page 8)) Proposed TCC workplan tasks 2022-2024 * Support TCC to review and provide advice on improvements to the ROP minimum standard data fields for whale sharks and cetaceans – to allow for a distinction between an interaction and a possible infraction in the compliance case file system (2022) * Support TCC to consider improvements to the Observer Trip Monitoring Summary data fields, which trigger prenotifications, to better align with the Commission's priorities in terms of compliance (2023) * Support TCC to review and provide advice on improvements to the ROP minimum standard data fields for sea turtles and seabirds to allow for use of ROP data in the compliance case file system, taking into account overall workloads of observers (2023)	*In 2022/23 additional resources or budgetary support could be necessary to facilitate specific work*			
L. Support work by TCC to further develop port-based initiatives as part of the suite of MCS tools and a summary of port state measures undertaken by members (proposed TCC Workplan 2022 - 2024 priority task k) page 9) Proposed TCC workplan tasks 2022-2024 * Support work by TCC to provide advice on any necessary modifications to CMM 2017-02	**Additional/New** *In 2023 additional resources or budgetary support could be necessary to facilitate specific work*		2.1.7 2.1.8 3.1.3	2.1.2

Activity	Status	Year and link to Annex A activity code		
		2021	2022	2023
M. Support work of TCC to develop and implement Commission measures for Electronic Reporting and Electronic Monitoring (proposed TCC Workplan 2022 - 2024 priority task r) page 12) * ER and EM WG tasked to continue the development of standards, specifications and procedures for e-technologies Proposed TCC workplan tasks 2022-2024 * Support work by TCC to consider and provide advice on outputs from the ER and EM Working Group, including those related to existing obligations, data gaps and the prioritization of ER and EM and draft minimum standards for electronic monitoring * Support work by TCC to consider and provide advice on outputs from the ER and EM Working Group, including a draft EMonitoring CMM	**Incremental (Additional/New)** *In 2022/23 additional resources or budgetary support could be necessary to facilitate specific work*		2.1.7 3.1.3	2.1.7 3.1.3
N. Support work of TCC to develop information and advice to promote compliance with the south Pacific albacore CMM (2015-02 and successor measures) and improve its effectiveness, including providing technical and compliance advice for the development and implementation of the south Pacific albacore roadmap (proposed TCC Workplan 2022 - 2024 priority task d) page 12) * SPA Roadmap IWG: tasked to develop the Roadmap for Effective Conservation and Management of South Pacific Albacore Proposed TCC workplan tasks 2022-2024 * Support work by TCC to provide advice on relevant analyses to inform the work of the SPA IWG (2022) * Support work by TCC to provide advice on key components of a new south Pacific albacore CMM (2023)	**Incremental (Additional/New)** *In 2022/23 additional resources or budgetary support could be necessary to facilitate specific work*	2.1.8	2.1.8	

Activity	Status	Year and link to Annex A activity code		
		2021	**2022**	**2023**
Additional IWG-led activities from proposed TCC workplan 2022-2024 (draft TCC17 Summary Report Attachment G) and proposed NC workplan 2022-2024 (NC17 report)				
O. Support work of CDS IWG: Develop and implement a Catch Documentation Scheme for WCPFC species (proposed TCC Workplan 2022 - 2024 and NC workplan)	**Additional/New** *In 2022/23 additional resources or budgetary support could be necessary to facilitate specific work*		2.1.8	2.1.8
Additional MCS-related provisions currently under consideration at WCPFC18				
P. Possible implementation of proposals for additional longline-monitoring-related elements (WCPFC18-2021-TTM-DP07) * High seas entry and exit reporting (to commence by 1 January 2023) * E-Reporting of logsheet data (relating to high seas fishing) to apply from 1 January 2023 * Bigeye catch verification via Catch Documentation Scheme to the first point of sale to be considered at TCC18 (2022) for adoption in 2023. * Commit to establish E-Monitoring Programme by 2023, through ERandEMWG * TCC18 to consider work of IWG-Transhipment with a view to adopt revision of Transhipment CMM in 2022.	**Additional/New/ Incremental** *In 2022/23 additional resources or budgetary support could be necessary to facilitate specific work*		2.1.7 3.1.3	2.1.2 2.1.8
Q. Possible implementation of proposal for Amending CMM 2019-07 WCPFC IUU Vessel List (WCPFC18-2021-DP03_rev1)	**Additional/New Incremental** *In 2022/23 additional resources or budgetary support could be necessary to facilitate specific work*	2.1.1 2.1.7	2.1.2 2.1.7 2.1.8	2.1.2 2.1.7

5. The areas of activity described in **Table 1** (above) do not reflect all the components of the TCC Workplan 2022-2024; they relate to those where there has already been some discussion and/or progress intersessionally in the lead-up to WCPFC18 that identifies the need and gives experience as to the potential scope for support from the Secretariat that needs to be considered in terms of resource planning for 2022/23. This analysis has also drawn off experience this year considering the Secretariat time that has been committed to date in 2021.

6. There is some interlinkage between some of the above activities and further discussions on the relative priorities amongst the list of items in **Table 1** are expected to occur through consideration WCPFC18 agenda.

7. However, there remains across all the above activities, a potentially significant incremental increase in resource commitment for the Secretariat to support over the next one to two years, that requires careful consideration and planning. The Secretariat intends to keep the proposed activities in **Table 1** under close consideration as WCPFC18 meeting progresses. Depending on the outcomes of WCPFC18, support through additional consultancies, secondment and in-kind assistance might be necessary for the Secretariat to successfully deliver on all tasked priority activities alongside the Compliance/MCS routine work tasks.

Recommendation

8. WCPFC18 is invited to note the paper and the efforts of the Secretariat to map out the resource implications of future work commitments for the Secretariat's MCS and Compliance Programme.

TECHNICAL AND COMPLIANCE COMMITTEE
Seventeenth Regular Session
Electronic Meeting 22 – 28 September 2021

PRELIMINARY CONSIDERATION OF ANTICIPATED FORECAST OF SECRETARIAT WORK COMMITMENTS FOR TCC IN 2022/23

WCPFC-TCC17-2021-17
17 September 2021

Paper by the Secretariat

Purpose

1.   The paper presents for the information of TCC participants, the outcomes of this year's initial internal planning to forecast the future work commitments of the Secretariat's MCS and Compliance programme in 2022/23 in alignment with the Secretariat's Corporate Plan 2020 – 2023 (specifically Corporate Plan *Objectives 2.1*, *3.1* and *3.2*). This paper updates the paper of the same title presented to TCC16 in 2020.

Introduction

2.   The stated Mission for the Secretariat from the Secretariats Corporate Plan 2020 – 2023 is "*to provide efficient and effective secretariat services to enable the WCPFC to fulfil its key mandate to ensure, through effective management, the long-term conservation and sustainable use of highly migratory fish stocks in the western and central Pacific Ocean.*"

3.   Specifically, in support of the Technical and Compliance Committee and its associated work plan, the Corporate Plan stipulates three objectives that are nested under two goals for Secretariat's service delivery. The relevant Goals and associated objectives are as follows:

> **Goal 2: To manage the provision of technical, scientific and compliance information and advice to the WCPFC**
> * *Objective 2.1: Effectively administer the WCPFC's MCS and Compliance Programmes and activities*
>
> **Goal 3: To manage the collection and dissemination of data and information related to the work of the WCPFC**
> * *Objective 3.1 Collect and disseminate relevant data and information to facilitate the work of the WCPFC and its CCMs in accordance with applicable rules.*
> * *Objective 3.2 Acquire and maintain reliable, cost-effective and secure IT systems and infrastructure to ensure the integrity of and access to WCPFC data and information.*

4.   **Annex 1** to this paper provides the list of Secretariat activities as contained in the Corporate Plan 2020 – 2023 which guides the Secretariat's work in support of the TCC workplan.

Consideration of routine work tasks for the Secretariat in supporting the WCPFC MCS and Compliance Programmes

5.   Following on from last year's approach, the Secretariat has in 2021, undertaken some initial internal planning based on the past five years' experience in managing the Secretariat's MCS and Compliance programme. The resulting preliminary forecast of anticipated routine work for the Secretariat in 2022 is provided in **Figure 1** below. The calendar forecasts the monthly spread of different activities for 2022. The shading within a month indicates the mix of activities the Secretariat typically needs to prioritize across the year to meet required deadlines set under CMMs and other decisions, e.g. in support of the CMS and routine tasks. Note that the shading of a day may not in all cases reflect a full-time work equivalent (FTE) by relevant staff.

6.   Drawing on the past five years' experience, it is clear to the Secretariat that there have been incremental increases over time in the level of support required for the TCC work programme. However, the staffing structure for the Secretariat in the MCS/Compliance area has not changed since 2012 when the Assistant Compliance Manager position was established (refer to **Annex 1** for the Secretariat organizational structure). Rather the MCS/Compliance work of the Secretariat has been successfully supplemented over several years through consultancy, secondment and in-kind assistance which has enabled the level of support required to deliver on priority activities.
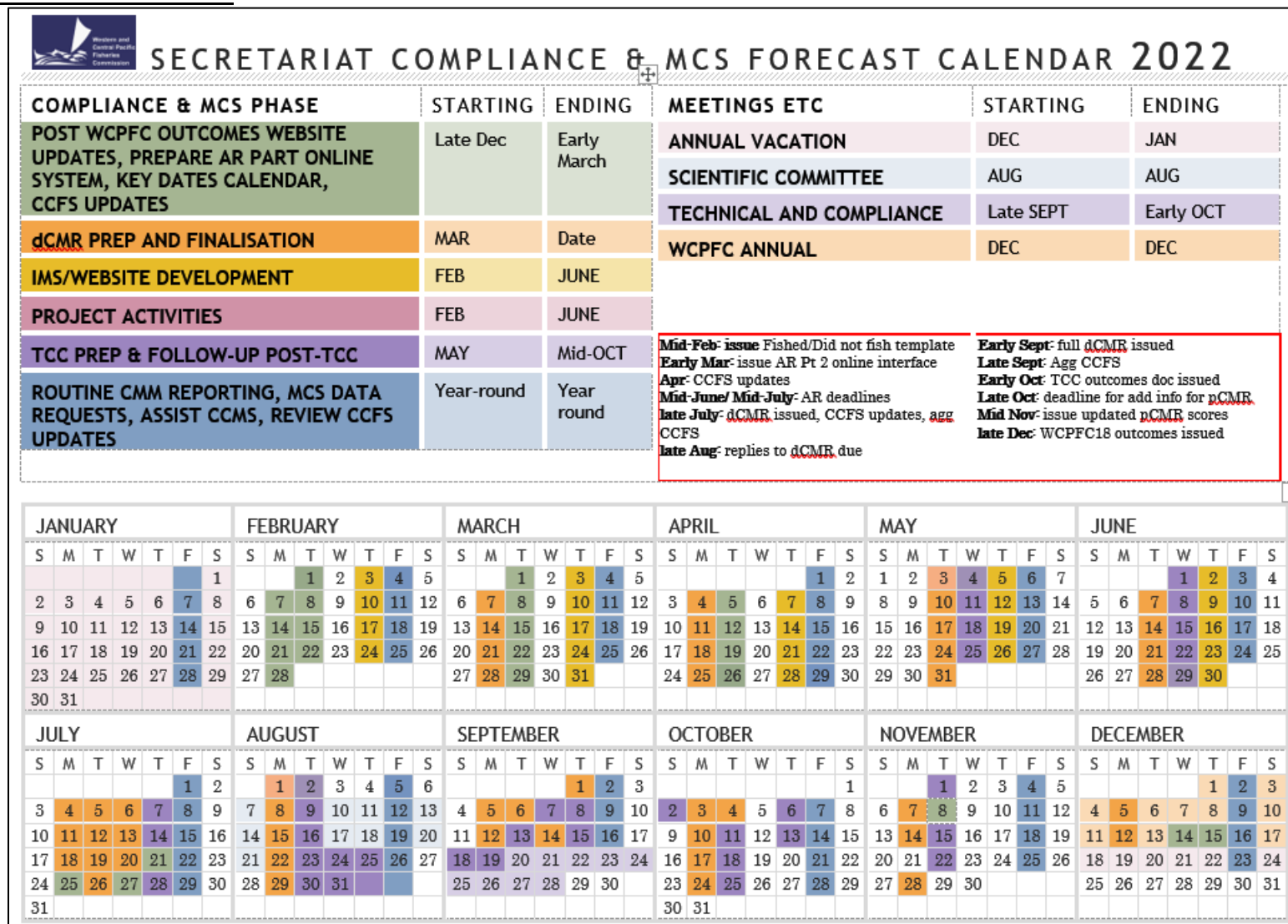
7.   **Figure 1** clearly shows that the busiest months of the year for the Secretariat MCS/Compliance staff are from June to October, where the deadlines for Annual Reporting, Compliance Monitoring Report (CMR)s and TCC Meeting Preparations occur (refer to pages 6 - 7 of **TCC17-2021-08A**). Usually, these are also the months where IWG/WG activities are gaining some momentum, so the Secretariat's strategy to managing the work to produce, on schedule, the draft CMR, has continued to include careful work planning. This includes early commencement of the preparation of online annual reporting systems and pre-population of CMR analyses including CMR supporting files in March. Figure 1 also shows the spread of routine tasks and CMR work throughout all months of the year.

8.   The Secretariat notes with appreciation the support of CCMs in responding to requests by providing reports earlier, allowing the phased work programme as is set out below. Additionally, in 2021, the Commission positively considered a request from the Secretariat outlining the significant work the Secretariat would have to undertake in 2021 much of which related to TCC and agreed that CCMs shall submit their Annual Report Part 2 at least 100 days prior to TCC17. This was an earlier date in mid-June compared to the usual date of 1 July. (WCPFC17 Summary Report, paragraph 373).

9.   Generally, February to June is a time the Secretariat MCS/Compliance team, with support from the IT Section and IT Contractors, work to incrementally build and enhance the WCPFC Information Management System (IMS) hosted databases for centralizing records of CMM reporting; and the development of integrated MCS analytical tools at the Secretariat (IMS/website enhancements).

10.   February to June is also the period where additional project activities would preferably be scheduled. For example, in 2021 the Secretariat commenced work in March, in anticipation of the expected outputs needed to support the WCPFC17-prioritised CMS-IWG future work tasks. This work involved exploring the use of thematic categories to support the analysis and presentation of final CMR outcomes and CCFS aggregated summaries across a wider range of levels to reflect systemic, groupings and individual measure level views. Ultimately this ensured that the necessary outputs from WCPFC databases were available in a timely manner, to support both the development by the TCC Chair of a proposed process for considering the aggregate tables at TCC17 (issued in mid-August) and the further development by the lead of the Risk Based Assessment Framework of a discussion paper for consideration at TCC17 (issued in mid-Sept). The background work also supported delivery to the April 2021 TT Workshop of a summary of the detailed final CMR outcomes using thematic categories (**TTMW1-2021-03_rev1**).

Figure 1: Preliminary forecast Calendar based on the past 5 years' experience to illustrate the Secretariat Compliance and MCS-related routine tasks for 2022

COMPLIANCE & MCS PHASE	STARTING	ENDING
POST WCPFC OUTCOMES WEBSITE UPDATES, PREPARE AR PART ONLINE SYSTEM, KEY DATES CALENDAR, CCFS UPDATES	Late Dec	Early March
dCMR PREP AND FINALISATION	MAR	Date
IMS/WEBSITE DEVELOPMENT	FEB	JUNE
PROJECT ACTIVITIES	FEB	JUNE
TCC PREP & FOLLOW-UP POST-TCC	MAY	Mid-OCT
ROUTINE CMM REPORTING, MCS DATA REQUESTS, ASSIST CCMS, REVIEW CCFS UPDATES	Year-round	Year round

MEETINGS ETC	STARTING	ENDING
ANNUAL VACATION	DEC	JAN
SCIENTIFIC COMMITTEE	AUG	AUG
TECHNICAL AND COMPLIANCE	Late SEPT	Early OCT
WCPFC ANNUAL	DEC	DEC

Mid-Feb: issue Fished/Did not fish template
Early Mar: issue AR Pt 2 online interface
Apr: CCFS updates
Mid-June/ Mid-July: AR deadlines
late July: dCMR issued, CCFS updates, agg CCFS
late Aug: replies to dCMR due

Early Sept: full dCMR issued
Late Sept: Agg CCFS
Early Oct: TCC outcomes doc issued
Late Oct: deadline for add info for pCMR
Mid Nov: issue updated pCMR scores
late Dec: WCPFC18 outcomes issued

Consideration of anticipated project activities and website/IMS related enhancement tasks in support of the TCC workplan that would require Secretariat work commitments in 2022/23

11.   The following grouping of activities set out in **Table 1** below comprise current and proposed activities that the Secretariat would support or deliver from TCC17 meeting papers and relevant intersessional WCPFC processes. To assist CCMs, details for each activity are provided in the papers referenced by each item.

Table 1: Current and proposed activities listed in TCC17 papers and CMM 2019-06 as at 15 September 2021

Activity	Status	Year and link to Figure 1 activity code		
		2021	**2022**	**2023**
A. Policy support to CMS IWG/CMS Future Work tasks (refer Annex 2) *Risk Based Assessment framework - NZ-led activity (**TCC17-2021-13B**) *CMS Audit Points development - RMI-led activity *Further work to make future annual reporting processes more efficient and effective in supporting CMS (*see suggestions in* **TCC17-2021-10** pg 7-10) * Support development of process to consider aggregate summary tables from CCFS	Incremental (Additional/New)	2.1.1 2.1.3 2.1.7	2.1.1 2.1.3 2.1.7	2.1.4 2.1.3
2022+ leads to be confirmed * Develop corrective actions for compliance * Guidelines for participation of observers in closed meetings that consider the CMR			2.1.1 2.1.3	2.1.4 2.1.3
B. Continued development of the Commission's Information Management System (IMS) to support implementation of the CMS with the aim of making it more efficient and effective by streamlining processes. * Deliver new CCFS system that meets minimum requirements of the current CCFS in Jan 2022	Incremental (Additional/New)	2.1.5 3.2.1 3.2.3	2.1.5 3.2.1	
* Implement any changes to AR/CMR online system considering new CMM on CMS and/or Commission approved outcomes from CMS-IWG (as adopted at WCPFC18, or subsequent years) * Support to the risk-based assessment framework and CMS Audit points trials (as approved at WCPFC18, or subsequent years) *Implement tasks to make future annual reporting processes more efficient and effective in supporting CMS (*see* **TCC17-2021-10** pgs 7 - 10)			2.1.3 2.1.4 2.1.7 3.1.2 3.1.3 3.2.1	2.1.3 2.1.4 2.1.7 3.1.2 3.1.3 3.2.1

Activity	Status	Year and link to Figure 1 activity code		
		2021	2022	2023
* Enhance Secretariat analytical capability and associated integrated-IMS tools to support the CMS (2022 - 2023), including aggregate summary tables and CMR outcomes (*see* **TCC17-2021-08A** *Overview of CMS Matters for TCC17*)		3.1.2 3.2.1 3.2.2 3.2.3	3.1.2 3.2.1 3.2.2 3.2.3	3.1.2 3.2.1 3.2.2 3.2.3
* AR Pt 2 and CMR upgrade (IT-related system consolidation) in early 2023 (*see* pg 9 *below*)			2.1.3 2.1.4 3.2.1 3.2.3	2.1.3 2.1.4 3.2.1
C. Enhancements to WCPFC CCFS: (see TCC17-2021-12 pages 6-7) * Complete delivery of WCPFC17 tasks to enhance CCFS to make it easier to use * Explore options for enhancing the CCFS through development of a messaging tool through which CCMs can request observer reports and ROP Providers can respond to requests * Consider further refinements to CCFS to create new CCFS lists for CMM 17-04 Marine Pollution and additional bycatch interactions (eg sea turtles), as well as to enhance Article 25(2) list * Implement refinements to aggregate summary tables	Incremental	2.1.5 3.2.1	2.1.5 3.2.1	2.1.5
D. Continued development of the Commission's IMS to support MCS activities, including exploration of IMS data submission and extraction tools. * RFV upgrade (IT-related system consolidation in 2022/23) (*see* pg 9 *below*)			2.1.2 2.1.6 3.2.1 3.2.3	2.1.2 2.1.6 3.2.1
* Develop automated extraction and provision IT tools to support the parameters of common data requests to support MCS activities in 2022/23 (see **TCC17-2021-RP08** *Report admin of data rules* pages 2-3)	Incremental (Additional/New)		2.1.2 3.1.6 3.2.3	2.1.2 2.1.6 3.1.6 3.2.1
* Enhance Secretariat analytical capability and associated integrated-IMS tools to support MCS activities and to enhance public access to WCPFC scientific data and information, and summary information from MCS programmes (2022 - 2023) (see **TCC17-2021-RP08** *Report admin of data rules* and **TCC17-2021-08A** *Overview of CMS Matters for TCC17*)		3.1.2 3.2.1 3.2.2 3.2.3	3.1.2 3.2.1 3.2.2 3.2.3	3.1.2 3.2.1 3.2.2 3.2.3

Activity	Status	Year and link to Figure 1 activity code		
		2021	**2022**	**2023**
E. Continued development of training resources and learning aids for the IMS * Extending helpdesk quick guide for typical member queries and for modified systems when streamlining is implemented.	Incremental	2.1.4 2.1.5 2.1.6 3.2.1	2.1.4 2.1.5 2.1.6 3.2.1	2.1.4 2.1.5 2.1.6 3.2.1
F. Implement recommendations of VMS Small Working Group (based on proposed recommendations included in VMS SWG paper TCC17-2021-15A/15B.) * Secretariat to continue work, including with interested CCMs on a trial basis, to facilitate automatic integration of VMS manual reports into the Commission VMS within their existing budget. Report on their further progress to TCC18. * Secretariat to provide a report to TCC18 with suggested options and, if practical, an estimated timeline and costs to facilitate electronic (online) submission and processing of new and updated VTAFs. Any process shall track progress transparently with the relevant flag CCM that provides the VTAF. * Streamlined VMS reporting template to be used for AR Part 2 Report submissions until such time as the Commission's work developing Audit Points (including for VMS) may be completed * Secretariat to provide further information in the VMS Annual Report to TCC18 on the status of implementing VMS SWG recommendations * Secretariat to undertake technical work to expand VRST from 14-day view to be 31-day rolling view	Incremental	2.1.6 3.1.3	2.1.6 3.1.3	2.1.2
G. Support work of TCC WG on flow of Observer Reports (TCC17-2021-18 / TCC17-2021-DP02 - U.S.)	Incremental		2.1.2 2.1.8	2.1.2 2.1.8
H. Support work of IWG – Transhipment (TCC17-2021-18 / TCC17-2021-DP01 - U.S.) Review transhipment measure (CMM 2009-06) TS-IWG adopted scope of work (as at 17 March 2021) includes analyses of transhipment information that requires SPC-OFP and Secretariat support: * The Secretariat and SPC-OFP are to undertake Phase 1 data preparation after SC17 (date tbc in 2021) * Phase 2 : Data Compilation and Analysis will commence thereafter (in first quarter of 2022) * Phase 3: Qualitative Study, Literature Review, Policy Analysis (subject to available funds, aim for August 2022) (https://www.wcpfc.int/iwg-transhipment)	Additional/New	2.1.2 2.1.6	2.1.2 2.1.6	2.1.2

Activity	Status	Year and link to Figure 1 activity code		
		2021	2022	2023
I. Support intersessional work on WCPFC Labour Standards for Crew (TCC17-2021-DP05)	Additional/New	2.1.8	2.1.8	
J. Possible implementation of proposal for Amending CMM 2019-07 WCPFC IUU Vessel List (TCC17-2021-DP03 - EU)	Incremental	2.1.1 2.1.7	2.1.2 2.1.7 2.1.8	2.1.2 2.1.7
K. Secretariat-led study to identify and assess the high-level options and their potential costs and IT infrastructure for a WCPFC Secretariat role in receiving and managing Electronic Monitoring (EM) camera footage and data from an on-board camera system or data logger system. *Transhipment monitoring was the focus for this work.* (*Consultancy was funded from a U.S. voluntary contribution, and Secretariat worked closely with ERandEM WG Chair and TS-IWG Co-Chairs*)	Incremental	2.1.7 3.1.3		
L. Support further work to explore refinements to ROP data fields to better support monitoring of current CMMs (see **TCC17-2021-RP02_rev1** *ROP Annual Report* page 20)	Incremental	3.1.4	3.1.4	2.1.2
Additional IWG-led activities from draft TCC workplan 2022-2024 (TCC17-2021-18)				
M. Support work of IWG – ER and EM (Continue the development of standards, specifications and procedures for e-technologies)	Incremental (Additional/New)		2.1.7 3.1.3	2.1.7 3.1.3
N. Support work of CDS IWG: Develop and implement a Catch Documentation Scheme for WCPFC species	Additional/New		2.1.8	2.1.8
O. Support work of SPA Roadmap IWG: work to develop the Roadmap for Effective Conservation and Management of South Pacific Albacore	Incremental (Additional/New)	2.1.8	2.1.8	
Additional MCS-related provisions currently under consideration through the TTM intersessional process				
P. Possible implementation of proposals for additional longline-monitoring-related elements (TTMW2-2021-DP02) * High seas entry and exit reporting * E-Reporting of logsheet data (relating to high seas fishing) to apply from 1 January 2023	Incremental (Additional/New)		2.1.7 3.1.3	2.1.2 2.1.8

Activity	Status	Year and link to Figure 1 activity code		
		2021	**2022**	**2023**
* Bigeye catch verification via Catch Documentation Scheme to the first point of sale to be referred to TCC. * Commitment to establish E-Monitoring requirement to supplement coverage by human observers * Transhipment reform				

12. The areas of activity described in **Table 1** (above) do not reflect all the components of the TCC Workplan 2019-2021; they relate to those where there has already been some discussion and/or progress intersessionally in the lead-up to TCC17 that identifies the need and gives experience as to the potential scope for support from the Secretariat that needs to be considered in terms of resource planning for 2022/23. This analysis has also drawn off experience this year considering the Secretariat time that has been committed to date in 2021.

13. There is some interlinkage between some of the above activities and further discussions on the relative priorities amongst the list of items in Table 1 are expected to occur through consideration of the draft TCC Workplan 2022-2024 (**TCC17-2021-18** *Draft TCC Workplan 2022-2024 for TCC participants comments*).

14. Two voluntary contributions have been received from the United States that could be used to directly support two activities in **Table 1**: in 2019 a voluntary contribution was provided to support in the transhipment study ($US74,000) and in 2020 some funds have been provided in support of advancing Electronic monitoring ($US47,500 of which ~$20,000 is remaining). The indicative budgets for 2022 and 2023 could be utilized to support some of these activities.

15. However, there remains across all the above activities, a potentially significant incremental increase in resource commitment for the Secretariat to support over the next one to two years, that requires careful consideration and planning. The Secretariat intends to keep the proposed activities in **Table 1** under close consideration as TCC17 meeting progresses. Depending on the outcomes of TCC17, support through additional consultancies, secondment and in-kind assistance might be necessary for the Secretariat to successfully deliver on all tasked priority activities alongside the Compliance/MCS routine work tasks.

16. At this juncture, there are two specific areas of forecasted work that the Secretariat would like to highlight for TCC participants further consideration.

Priority area 1. Necessary upgrades to IMS during 2021-2023

17. One of the larger and more significant activities that the Secretariat has identified for 2021-2023 relates to the SharePoint platform. As explained in **TCC17-2021-12** *Update on Progress to Implement the proposed WCPFC online compliance case file system enhancements* some of the customizations used to support the CCFS are no longer supported by the platform. Additionally, the upgrade path for SharePoint, as recommended by Microsoft, is expected to incur substantial cost both from licensing new tools and from the redevelopment effort. Furthermore, Microsoft have indicated their intent to move away from the on-premises version of SharePoint in favor of cloud hosted SharePoint services. As a result, the Secretariats assessment is that ongoing SharePoint development work is no longer feasible using the on-premises platform.

18. As was explained in **TCC17-2021-12** *Update on Progress to Implement the proposed WCPFC online compliance case file system enhancements* the SharePoint issue has affected the ability of the Secretariat to progress some of the required enhancements eg to the CCFS. In 2021, the Secretariat has commenced a workplan of activities to support and implement a redevelopment

of the WCPFC CCFS using the Drupal platform, aligning it with the main WCPFC website platform. This involves:

- Analysis of existing workflows, processing tasks and data interfaces
- Develop new system specification
- Build new system
- Review new system
- Implement any change to original spec arising from the review
- Create new systems documentation
- Update user documentation/helpdesk

19.   The workplan to upgrade the CCFS will utilize existing 2021 IMS-related budgetary resources and will aim to have delivery of a new CCFS system that meets minimum requirements of the current CCFS by January 2022 (see item listed under **B. Continued development of the Commissions IMS to support implementation of the CMS…**, *see* **Table 1** pg 4 *above*). Following the successful completion of the new CCFS system, the Secretariat intends to schedule the necessary work towards completing delivery of the remaining WCPFC17 tasks to enhance CCFS to make it easier to use (see the grouping of project and IMS activities under the heading of **C. Enhancements to WCPFC CCFS**, *see* **Table 1** pg 5 *above*).

20.   Although the issue was initially identified in the context of the tasked CCFS enhancements, the issue clearly has broader implications for the WCPFC ICT application portfolio than solely the CCFS. Since identifying this issue the Secretariat has been actively considering options and their feasibility to support the CCFS and other externally facing WCPFC ICT application systems that rely on SharePoint.

21.   The outcome of this assessment has been that the Drupal platform, which is already in full operational use by the Secretariat and by Members through the website, is a proven, reliable solution that can deliver the enhancements requested by members currently as well as potential enhancements that may be required through Commission workplans to the extent known. The use of an existing, proven system that appears to be fit-for-purpose offers an efficient solution. At the time of writing, the Secretariat is proposing that the upgrades of other key externally facing WCPFC ICT application systems that rely on SharePoint should be scheduled as follows:

a. RFV upgrade (IT-related system consolidation) in 2022/23 (see item listed under **D. Continued development of the Commission's IMS to support MCS activities…** *see* **Table 1** pg 5 *above*); and

b. AR Pt 2 and CMR upgrade (IT-related system consolidation) in early 2023 (see item listed under **B. Continued development of the Commissions IMS to support implementation of the CMS…** *see* **Table 1** pg 5 *above*)

Priority area 2. Enhancing the Secretariats analytical capability during 2022-2023

22.   For 2022/23 the Secretariat is also forecasting that there will be greater expectations for analytical work in support of the TCC workplan activities. The Secretariat has identified this expectation from at least three areas:

a. **To support the continued refinement of the CMS.** The CMS-IWG led activities have gained some momentum in 2021, and trials and implementation of the outputs such as the Risk Based Assessment Framework, continued refinement of the aggregated summary tables processes and potentially the trials and implementation of CMS Audit Points are being considered. Although some anticipated work early in 2021 meant that the Secretariat could successfully deliver the necessary outputs to support both the development by the TCC Chair of a proposed process for considering the aggregate tables and the lead in the development of a Risk-based Assessment

Framework (refer to **TCC17-2021-08A** *Overview of CMS Matters for TCC17*). Considering the experience from 2021, and the expected evolutionary nature of the CMS-IWG led activities over 2022/23, the Secretariat expects to be better placed to support these activities, and establish and refine supporting ongoing processes if it were able to receive supplementary dedicated analytical capacity support over 2022/23.

       b. **To develop automated extraction and provision IT tools to support the parameters of common data requests to support MCS activities**. 2020/21 was the highest level of data requests seen, which the effect of COVID-19 seems to have provided impetus for the use of alternative approaches to support monitoring of vessels activities. This has increased reliance on access to WCPC data sets and manual data extractions to support individual members different operational activity. As was explained in **TCC17-2021-RP08** *Report admin of data rules* despite some requests being standing requests for relevant WCPFC data, due to competing priorities in support of other pressing intersessional TCC-related tasks, the Secretariat has not been able to schedule the necessary work to develop automated extraction and provision IT tools to support the parameters of common data requests for WCPFC data other than WCPFC VMS and ROP data. The Secretariat expects that some supplementary dedicated analytical capacity over 2022/23 could ensure better prioritization could be given to these activities.

       c. **To further enhance public access to WCPFC scientific data and information, and summary information from MCS programmes.** The Secretariat expects that some supplementary dedicated analytical capacity over 2022/23 could ensure better prioritization is given to these activities. It is expected that this work would necessarily be complemented by website/IMS related enhancements. This has been a long-standing priority for IMS development in past ED reports to TCC. For example, as was explained in the **TCC17-2021-RP03** *Annual Report on WCPFC Transhipment Reporting* the work to incorporate IT solutions that verify high seas transhipment reporting through VMS analysis is still work in progress and remains a priority for the Secretariat to progress, however this has been constrained by competing priorities.

23.   The Secretariat estimates that, to efficiently develop the required analytical products, develop and integrate new processes into Secretariat workflows, and to refresh front-facing web screens and user guidance for members and, where relevant, the public, would require additional short-term resources for around 30-36 months from early 2022. This timing aligns the work with when Secretariat work planning (and the TCC Workplan) indicates increasing resource commitments for this purpose and provides for a period after the completion of the 'development' work programme and Commission decisions in 2023 to refine and embed new processes with members.

24.   The budgetary implications during 2022-2023 of these identified necessary upgrades to IMS and for the Secretariat to potentially receive supplementary dedicated analytical capacity during 2022-2023 will be further detailed by the Secretariat in papers that will be presented to the FAC15 meeting later this year. In preparing the papers for FAC15, the Secretariat will also consider additional anticipated development and enhancement project activities for the IMS that are also listed in **Table 1** and/or that evolves throughout the TCC17 meeting.

25.   The Secretariat will continue to assess the clear priority areas of need identified in this paper and will keep under consideration the future work commitments for the MCS and Compliance programme in order to acquire the appropriate level of resources to support the implementation of the TCC workplan 2022 - 2024. This will be considered with the backdrop that this is the second year of the COVID-19 global pandemic, with much of the Secretariat's work through 2020/21 in support of Commission being progressed electronically, and necessarily this has condensed the Commission meeting schedules and agendas. These considerations, along with the need to consider future effective platform and system changes to meet routine and future needs have resulted in the assessment of resource considerations in this paper.

Recommendation

26. TCC17 is invited to note the paper and the efforts of the Secretariat to map out the resource implications of future work commitments for the Secretariat's MCS and Compliance programme.

27. TCC17 is invited to support, in principle and subject to resource availability, the Secretariats intention to submit to FAC15 a proposed plan that identifies the necessary upgrades to IMS and securing supplementary dedicated analytical capacity for the Secretariat in 2022 and 2023.

28. TCC17 is also invited to note the workload forecasted for the Secretariat to undertake in 2022 in support of the TCC workplan and TCC17 is invited to recommend that the Commission agrees to require CCMs in 2022 to submit their Annual Report Part 2, at least 100 days prior to TCC18 (which is a date in mid-June instead of 1 July).

Background note and excerpts from the WCPFC Secretariat Corporate Plan 2020 – 2023 of goals, objectives and activities related to the Secretariat delivery in support of TCC workplan

The Commission at the WCPFC16 in Port Moresby, PNG accepted the Secretariats Corporate Plan 2020 – 2023 as a living document to guide the work of the Secretariat. The stated **Mission** for the Secretariat is "*to provide efficient and effective secretariat services to enable the WCPFC to fulfil its key mandate to ensure, through effective management, the long-term conservation and sustainable use of highly migratory fish stocks in the western and central Pacific Ocean.*" The intent of the Corporate Plan for the Secretariat is to describe the mission, goals and objectives of the Secretariat to guide the activities necessary to achieve those objectives over 2021 – 2023.

Specifically, in support of the Technical and Compliance Committee and its associated work plan, the Corporate Plan elaborates three objectives that are nested under two goals for Secretariats service delivery. The relevant Goals and associated objectives are as follows:

Goal 2: To manage the provision of technical, scientific and compliance information and advice to the WCPFC

Objective 2.1: Effectively administer the WCPFC's MCS and Compliance Programmes and activities	Figure 1 activity code	
2.1.1 Serve as the Secretariat to the TCC and its Working Groups, including providing support to the annual compliance monitoring scheme processes and discussion of MCS and Compliance related matters.		
2.1.2 Administer the technical operation of the Commission's agreed arrangements for monitoring, control and surveillance which include *inter alia* the Commission's Record of Fishing Vessels, Vessel Monitoring System, Regional Observer Programme, IUU Vessel List, High Seas Boarding and Inspection Scheme, Monitoring of high seas transhipment activities and administration of data access rules and procedures.		
2.1.3 Prepare a draft Compliance Monitoring Report concerning each CCM and collective obligations for review by the TCC, that incorporates information submitted by CCMs and records the final compliance assessments adopted by the Commission each year.		
2.1.4 Prepare and maintain online annual reporting and compliance monitoring reporting systems for use by CCMs to fulfil Commission reporting requirements.		
2.1.5 Maintain the WCPFC online compliance case file system as a secure, searchable system to store, manage and make available information to assist relevant CCMs with tracking alleged violations by vessels, and as decided by the Commission.		
2.1.6 Compile, analyse and disseminate MCS related data and information on CCMs compliance and fisheries management programs, and convey that advice to CCMs.		
2.1.7 Research new and emerging technologies and procedures that will enhance the Commission's MCS efforts and CCMs annual reporting to the Commission.		
2.1.8 Implement other approved TCC-related activities including provision of technical advice.		

Figure 1 activity code

	Post WCPFC outcomes and annual reporting preparations		IMS/website development		TCC prep and follow-up post TCC
	dCMR prep and finalisation		Project activities		Routine CMM reporting and MCS data requests

Goal 3: To manage the collection and dissemination of data and information related to the work of the WCPFC
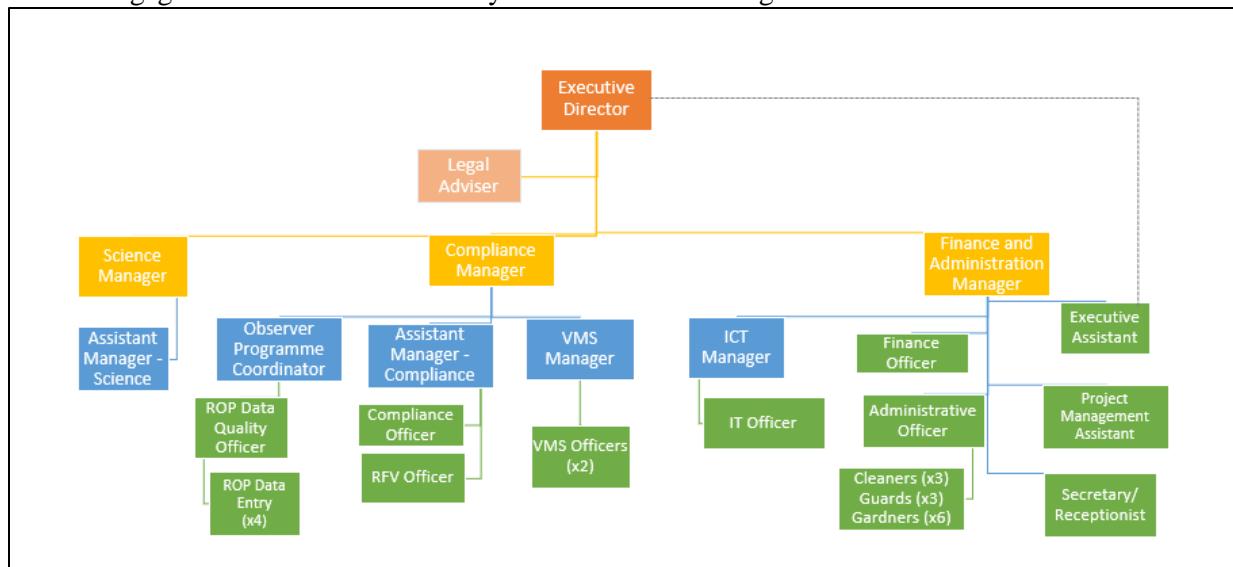
Objective 3.1 Collect and disseminate relevant data and information to facilitate the work of the WCPFC and its CCMs in accordance with applicable rules.

3.1.1 Collect data and maintain databases for resource assessments and other information needs to support the work of the Commission.	
3.1.2 Develop and manage IT tools and solutions to enhance access to data and information.	
3.1.3 Facilitate consideration by the Commission of emerging and more efficient and cost-effective technologies in data collection and analysis that meet the Commission needs.	
3.1.4 Administer the collection of quality data from contractors and CCMs as may be required.	
3.1.5 Administer the collection of compliance, stock assessment and other data from, and dissemination of such data upon request to, national programmes, scientists, compliance managers, other collaborating agencies and industry bodies.	
3.1.6 Administer the Commission's Rules and Procedures for the Protection, Access to, and Dissemination of Data.	

Objective 3.2 Acquire and maintain reliable, cost-effective and secure IT systems and infrastructure to ensure the integrity of and access to WCPFC data and information.

3.2.1 Develop and manage the Commission's information management systems, online compliance reporting tools and electronic reporting systems.	
3.2.2 Research new and emerging technologies and procedures to enhance the Commission's capacity in the dissemination and conveyance of data and information.	
3.2.3 Plan for, design, develop and manage the ICT requirements of the Secretariat.	
3.2.4 Provide ICT support to Commission meetings.	
3.1.5 Implement the Commission's Information Security Policy (ISP) and cyber security program in accordance with internationally recognized standards and best practices	

The Secretariat has a current staffing of 34 staff (9 professsional staff and 25 support staff), plus a Legal Adviser engaged on a retainer basis. They function under the organizational structure below:

Excerpt from CMM 2019-06, paragraph 46.

Section IX – Future Work	
46.The Commission hereby commits to a multi-year workplan of tasks to enhance the CMS, with the aim of making it more efficient and effective by streamlining processes. This workplan should include the development of guidelines and operating procedures to support the implementation of the Compliance Monitoring Scheme, and shall include inter alia:	
During 2020	
(i)	the development of audit points to clarify the Commission obligations assessed under the CMS, as well as the development of a checklist to be used by the proponents of any proposal to include a list of potential audit points for the consideration of the Commission;
(ii)	explore investment in technology solutions to facilitate improvements to the compliance case file system.
During 2020-2021	
(iii)	the development of a risk-based assessment framework to inform compliance assessments and ensure obligations are meeting the objectives of the Commission;
(iv)	the development of corrective actions to encourage and incentivise CCMs' compliance with the Commission's obligations, where non-compliance is identified;
(v)	the development of the guidelines for participation of observers in closed meetings of the Commission and its subsidiary bodies which consider the Compliance Monitoring Report.

Excerpt from WCPFC17 Summary Report, paragraphs 376 - 379

The Commission noted the progress on the Future Work of the CMS tasks, through the CMS IWG established by WCPFC16 under the leadership of the TCC Vice-Chair, and as set out in paragraph 4 of **WCPFC17-2020-25.**

The Commission noted in paragraph 129 of the TCC16 Summary Report that TCC16 had affirmed the importance of all the future work called for in section IX of CMM 2019-06 and supported the prioritisation of four streams of intersessional work for the CMS IWG in 2020/21 and recognised that some elements may extend until 2022:
1. the development of a risk-based assessment framework to inform compliance assessments and ensure obligations are meeting the objectives of the Commission;
2. the development of audit points to clarify the Commission obligations assessed under the CMS, as well as a checklist to be used by proponents of any proposal to include a list of potential audit points for the consideration of the Commission;
3. the development of a process for TCC to consider the aggregated tables alongside the draft CMR (paragraph 33 and 34 of CMM 2019-06); and
4. the development of guidance on the participation of observers in the CMS process as outlined in CMM 2019-06.

The Commission endorsed the TCC16 recommendation in paragraph 130 of the TCC16 Summary Report that Ms. Heather Ward from New Zealand would lead the risk-based assessment framework task and Ms. Rhea Moss-Christian from Marshall Islands would lead the development of audit points in support of the CMS IWG Chair.

WCPFC17 also noted the delay in advancing the work agreed at WCPFC16 concerning the aggregated tables and tasked the TCC Chair to lead work intersessionally prior to TCC17, with a view to providing guidance on how TCC17 would consider the aggregated tables alongside the draft CMR. This work will also benefit from the TCC16 recommended analytical work that the Secretariat will be undertaking related to the CCFS and approaches to present the data.