REPORT OF THE MEETING OF THE ONLINE REPORTING TECHNOLOGY WORKING GROUP (WG-ORT)

(Virtual, 7-8 February 2022)

1. Opening of the meeting

The ICCAT Executive Secretary (Mr. Camille Jean Pierre Manel) and the Chair, Ms. Terra Lederhouse welcomed the participants to the meeting of the *Online Reporting Technology Working Group (WG-ORT)*. The Chair reminded the WG of the importance of its work in guiding the development of the Integrated Online Management System (IOMS) and encouraged all the Working Group members in particular, and the ICCAT CPCs in general, to get IOMS accounts and become familiar with the IOMS functionalities. This familiarity will be essential to ensure that the new system meets the needs of CPCs, the Compliance Committee, the SCRS, and the Secretariat.

2. Appointment of Rapporteur

Jessica Kerwin (Canada) was appointed to act as Rapporteur.

3. Adoption of Agenda and meeting arrangements

The Agenda was adopted with two minor revisions and is attached as **Appendix 1**. The Secretariat informed the participants about the meeting arrangements and timetable. The List of participants is attached as **Appendix 2**.

4. Review of the Working Group's mandate (Recommendation by ICCAT to continue the development of an Integrated Online Reporting System, Rec. 21-20)

The Chair reviewed the mandate of the Working Group (WG) and provided an update on the Proceedings of the 27th Regular Meeting of the Commission held in 2021. The IOMS development was again included as a line item in the Commission's 2022-2023 regular budget. The Commission also adopted *Recommendation by ICCAT to continue the development of an Integrated Online Reporting System* [Rec. 21-20], which repealed and replaced Rec. 19-12 and continues to supplement Rec. 16-19. Recommendation 21-20 updates the language to allow the WG to continue beyond Phases 1 and 2 aiming to complete its current workplan. It also allows the WG to remain active to further refine the IOMS and expand its reporting capabilities until the Commission decides otherwise. Part of this work involves the removal of redundant reporting requirements and moving towards a single integrated online system where all the information is reported and managed. The Chair also reviewed elements that should be included in the IOMS, consistent with the concepts outlined in Rec. 16-19, including replacing the need to separately submit Annual Reports and other submissions to the Secretariat, providing an extract tool that would allow users to generate reports according to selected filtering criteria, streamlining support to the Compliance Committee and other ICCAT Sub-committees, and promoting transparency through access to these extracts.

5. Status update of the IOMS Phases 1 and 2

The Secretariat presented a historical review of the IOMS since its foundation in 2016, to the prototyping and testing in 2018, to the effective start date (Phase 1) in June 2019. The IOMS is currently in Phase 2 of development which runs from June 2020 to May 2022.

5.1 Review of current status and results of the first year in production

The Secretariat provided a review of the current status of IOMS and results from the first year in production. The details of Phase 1 development and the two initial modules, the IOMS core application and the annual Report manager (P1A1: Part I/Annex 1; P2S3: Part II/Section 3), were discussed. For new Working Group members, the Secretariat also described the meeting schedule of the WG-ORT and how COVID-19 delayed

the intersessional in March 2020. The 2021 meeting of the WG-ORT was also summarized, in addition to Phase 2 which included the adoption of additional tasks namely: the deployment of the IOMS system in production, bug corrections, mid/short term enhancements, source code quality assurance (adoption of sonarQube software); all of which have been completed. The Secretariat highlighted that the Vessel Manager, Dynamic Help System and Port Manager modules are still under development under Phase 2.

In review of CPC use of IOMS to submit Annual Reports, the Secretariat reported that the majority of the 2021 Annual Reports were integrated in the system by the Secretariat (only four CPCs used IOMS to submit 2021 Annual Reports). Integrating the Word version of Annual Reports manually is very time consuming and is ongoing with 13 CPCs yet to submit P1A1 and 11 CPCs yet to submit P2S3. The results of the 2021 Annual Report managed by the IOMS are presented in **Table 1** and **Table 2**. As more users adopt IOMS to submit Annual Reports, the work of the Secretariat will be reduced.

5.2 Potential enhancements based on the current knowledge

To improve the structure of the Annual Report a new template was proposed, in line with the IOMS internal structure, to complete each data requirement. It splits up the existing single "rationale/justification" field (variable response types) into four fields: "Applicable (yes/no)", "submission date", "response/reason" and "last update sent". This updated format would ensure that dates are not combined with the text explaining the response/reason in the same field, which would greatly improve the querying potential (extractions and statistics based on quantitative indicators) and simplify the IOMS database management. The Secretariat clarified that the Excel form used for offline completion and to upload Annual Report submissions into IOMS will require minor field adjustments, but these would ultimately improve the workability of IOMS. The proposed modification was approved by the Working Group. The Working Group also discussed a previously agreed functionality to automatically fill a draft Annual Report based on the previous year's submission. This was not considered a complex request as it could be developed in the next few months and the Secretariat clarified that until the data is submitted (action of submitting a preliminary editable version, resulting in the creation of a non-editable official version), all the information is considered draft. Some Working Group members were concerned that this process would allow for CPCs to submit an Annual Report without reviewing the IOMS submission, but this was approved by the Working Group with the understanding that CPCs would be required to confirm that each data field is still accurate. Other enhancements discussed amongst WG members included the Secretariat's efforts to integrate navigation capabilities and validation and quality control processes into IOMS. The Working Group agreed to address a potential new user role for ICCAT subsidiary body Chairs under Agenda item 7.

5.3 Review of the 2022 ICCAT data requirements for IOMS integration

Seven new reporting requirements (4 statistics and 3 compliance) were adopted at the 2021 Annual Meeting, which will take effect in mid-2022. The Secretariat informed the Working Group that IOMS has already been provisionally updated to reflect the new reporting requirements (a total of 168, some of which still in a preliminary status). ICCAT saw a steady increase in reporting requirements each year until 2020, which was followed by a small decrease in 2021 due to the elimination of redundant requirements. Reporting requirements increased again for 2022.

5.4 Dynamic help system financed by EU (1 year: April 2021-March 2022)

The Dynamic Help System development is running in parallel with the IOMS Phase 2 development with the help of a hired senior front-end developer (Mr. Dashiel Portel). This system is financed by the EU for 12 months (April 2021–March 2022) and aims to manage all help content in the three official languages (English, French and Spanish), manage the translation process, and standardize the user's support across all the IOMS functionalities (equal behaviour across all IOMS modules). Developers have completed the module development and are currently working on the help content in English which will then be translated into French and Spanish. All new modules will require the expansion of the dynamic help system in terms of help content (one help content per module in the three official languages of ICCAT).

6. Update and approval of workplan

6.1 Review of the current modules in development and planned

The Secretariat presented the current state of module development to the Working Group. For Phase 2, the Dynamic Help System was described to be in the final stages of development and Module 2, port authorization manager development has started. However, Module 1, vessel record manager was delayed for many months due to the prioritization of the IOMS version 1.0 release into production. Because it will be difficult to develop both Modules (vessel manager module, and port manager module) at the same time in Phase 2 due to time constraints, the Working Group agreed to move the port manager module to Phase 3. At the same time, the Statistical Document Programs for swordfish (SWO) and bigeye Tuna (BET) and the bluefin Tuna (BFT) weekly and monthly reports manager were moved to Phase 4 because it is expected that the Commission may adopt changes to these programs in the near future.

As last approved by the Working Group, Phase 2 includes the Dynamic Help System and ICCAT vessel manager and Phase 3 includes the port manager, Task 1 nominal catches manager and compliance table manager as well as vessel and port workshop sessions. These changes are reflected in the revised workplan presented in **Table 3**.

6.2 Required extensions/improvements on current modules (vessels, ports)

6.2.1 EU complementary support on the integration of UN/FLUX in the vessel manager (potentially 1 year)

The WG discussed the need for an extension on the planned completion of the vessel manager module. This module is highly complex with ~21 data requirements (vessel registration, 11 authorisation lists, carriers, chartering arrangements, transhipment authorizations, previous year activity, etc.). It will also require the integration of the UN/FLUX system (estimated costs of two additional Cloud servers for UN/FLUX only: ~€7,000/year). The incorporation of the UN/FLUX system into the module is pending on additional funding from EU. As such, once funding is approved, this module will take approximately nine months to develop. After much discussion to clarify the scope of the UN/FLUX component and to confirm the limited impact to CPCs that do not plan to use it (UN/FLUX, as well as standard online and offline completion facilities will be available to all CPCs), the WG agreed to prioritize completing the vessel manager, and to defer the development of the port authorization manager from Phase 2 to Phase 3.

6.3 Rescheduling the IOMS roadmap for Phases 2 and 3 and planning Phase 4 (module priorities)

The WG discussed further changes to the workplan (**Table 3**). The Working Group added the Shark and Billfish Check Sheets and Task 2 catch and effort (T2CE) to Phase 4 and moved the modules on the statistical document programs (SWO and BET) and BFT weekly and monthly catches to lower priorities in Phase 4 due to expected actions by the Commission on those programs in the coming year(s).

6.4 Planning the training for IOMS users (training courses, workshops)

The Secretariat is planning three IOMS training sessions to be held in three languages. The training is intended for all ICCAT CPC potential IOMS users with the goal of being interactive seminars. The WG agreed to:

- Session 1 (28 April 2022) will include the Annual report and User Management. The session will be a total of 4 hours (with a break of 30 minutes).
- Session 2 (September 1, 2022) will include a review of previous session, questions and resolving problems. The Session will be a total of 4 hours (with a break of 30 minutes).
- Session 3 (not yet scheduled, but planned for the beginning of 2023).

The Secretariat confirmed it will also be available for one-on-one short training sessions with CPCs, as needed. There was a request to record the two training sessions and have them available online. This was also agreed to as it allows CPCs to receive training when it is convenient for them.

7. Review of IOMS roles and user rights in data access

The Secretariat presented the current structure of user roles and rights when accessing data within the IOMS. The current roles were shown to lack sufficient flexibility to accommodate the required IOMS user profiles. As such, the Secretariat proposed potential modifications for discussion.

The Working Group agreed that all users should be able to view and extract all publicly available information, including relevant information from other CPCs. The Compliance Chair reiterated the importance of access to public data and the ability of IOMS to facilitate access to information reported in the Annual Reports and Shark and Billfish Check Sheets. Examples of the types of access that should be allowed included extracting information on a specific reporting requirement across all CPCs as well as extracting information on how an individual CPC has responded to the same reporting requirement over time.

The Group also extensively discussed how to allow access to public information for non-CPCs, including registered ICCAT observers. Options discussed included creating a new user role for observers or making public data viewable in IOMS without requiring an account to access. Some concerns were raised regarding data confidentiality and ensuring that IOMS is consistent with ICCAT's draft data confidentiality rules. It was also noted that, as a database designed for CPCs and the Secretariat to manage data, IOMS may not be the most appropriate or practical way for observers to access public information. Rather, the Secretariat suggested that observers and other Groups could continue to access publicly available information through the ICCAT website. The Working Group agreed to return to this discussion in the future after the IOMS is more fully operational.

The Working Group then discussed the IOMS functionalities available to each user type and decided that CPC Administrators could tailor roles for its individual users as needed. The structure agreed to by the Working Group is presented in **Table 4** (user roles) and **Table 5** (user rights and access levels). In addition to allowing reading rights to all users, one new user role was added for ICCAT Officers (Chairs, Vice-chairs, Rapporteurs, and other qualified officers of ICCAT subsidiary bodies), the terminology used for ICCAT Secretariat and CPC users was modified. These changes are expected to be made before the deadline for submitting Annual Reports (15 September). The Working Group also discussed the need to address roles and rights for users that may serve multiple roles (e.g., as an ICCAT Officer as well as a CPC User or Flag State User), and to accommodate the unique structures of the European Union and United Kingdom. The Secretariat will intersessionally coordinate with those CPCs to address specific user roles, their rights and access levels.

8. GEF-ABNJ II project to enhance, with extensions, the IOMS on data dissemination (4 years starting in 2022/23)

The ICCAT Secretariat applied for funding from the GEF/ABNJ Tuna II Project to enhance ICCAT IOMS through the development of extensions for automatic data interoperability with various projects from FAO, other tuna RFMOs, and other potential stakeholders. This funding would allow ICCAT to gain resources and expertise to expedite and improve IOMS utilization. In addition, the adoption by ICCAT of the open source model for the IOMS development (source code planned to be available in GitLab) would allow all tuna RFMOs to benefit from it (code reuse, functionality by-example, etc.). The Joint Tuna RFMO website is a central hub for consolidating scientific and management information of all RFMOs. Thus, building and sharing extensions (standard structures and API's) for data interoperability among the tuna RFMO online systems, can greatly benefit the joint tuna RFMO website. This work would run in parallel to existing work within the workplan and would not displace the ongoing IOMS development. If approved, the ICCAT would receive approximately €100,000/year for a period of four years.

9. Redundancy on data requirements

The increasing number of ICCAT reporting requirements over time has presented a significant challenge for CPCs, the Secretariat, the Compliance Committee, and the Commission. New reporting requirements sometimes duplicate existing requirements or overlap certain data elements already reported by CPCs. In addition, some reporting requirements may become obsolete over time. During the 2021 Compliance Committee meeting, several CPCs requested that the Working Group take urgent action to address this

growing problem. In order to improve reporting rates and reduce tasks, the Working Group had agreed in 2018 to identify redundant or repetitive data reporting requirements. Only the EU and Canada provided initial comments on the task at that time. The Working Group reviewed this task during its 2021 intersessional meeting and agreed that it could make recommendations for addressing redundant or obsolete reporting requirements, but that the Commission and its subsidiary bodies would be required to take action to repeal any identified redundancies. Due to the pandemic, no additional progress was made on this task.

The Working Group agreed to work intersessionally to develop a strategic plan to eliminate redundancies, according to these guidelines:

- 1. Define redundancy: "similar information required by different data requirements with slightly different structures";
- 2. For all 2022 data requirements, study all the data structures and identify similarities between them (structural level);
- 3. For similar groups, check if, with minor adjustments on data structures, the data requirements can be merged;
- 4. Analyse the implications on the existing "ICCAT regulations" (Recommendations, Resolutions, etc.);
- 5. Prepare a "consolidated response" to the Commission.

Many reporting redundancies occur because CPCs and/or ICCAT subsidiary bodies lack awareness of the information already being collected throughout the entire Commission. To proactively address this issue moving forward, the Working Group discussed questions that the ICCAT subsidiary bodies should consider when developing Recommendations, Resolutions, and/or establishing new reporting requirements. Working Group members should encourage their CPCs to consider these questions when drafting proposals, and potentially submit a request to the ICCAT subsidiary bodies to consider questions when adopting new measures. These include 1) What data is needed? 2) What will it be used for? 3) For how long will this data reporting be required to serve its purpose? and 4) What is the panel trying to evaluate with this data?

A Working Group member suggested that the Secretariat could prioritize developing a module for reporting Task 1 data in IOMS which could be used to populate required information in the Compliance tables, thereby avoiding duplication of reporting catch data in IOMS. The Secretariat agreed to look into this with caveat that the Commission generally aims to avoid using scientific information for compliance purposes. It was also suggested that the bluefin tuna weekly and monthly catches could be used to populate the Compliance tables.

10. Intersessional work required in 2022 (Group and Secretariat)

The Working Group will accomplish the following tasks intersessionally in 2022:

- 1. Confirm provisional user roles and rights (through adoption of the meeting report);
- 2. Adjust user roles/rights review as needed;
 - EU, UK, and Secretariat will work together to determine necessary user roles and rights.
- 3. Participate in training; communicate with others within CPC to encourage participation;
 - Secretariat will make recordings available on ICCAT / IOMS website.
- 4. Draft Guidelines for a "Strategic plan on redundancy elimination".

- 5. Continue socializing IOMS and increasing user acceptance.
 - WG members will continue to familiarize themselves with the current IOMS functionalities.
 - Secretariat will distribute Circular to encourage CPCs to use IOMS to submit relevant portions of the 2022 Annual Report.
 - CPCs should submit 2022 Annual Report in IOMS early in advance of September 15 deadline to allow corrections as needed.

11. Other matters

The Chair opened the floor to Working Group members to discuss any other matters not covered under the agenda. The United States requested that the Working Group consider how to ensure that the Annual Reports, Shark and Billfish Check-Sheets, and other documents could be translated into all three ICCAT languages within IOMS to further increase data accessibility and transparency. The United States noted the significant resources that would be required to accomplish this and requested that it remain under consideration for future IOMS enhancements. The Secretariat noted the need for a cost assessment.

The Working Group also discussed how to address incomplete Annual Reports and the point at which the Secretariat would no longer accept changes. Reporting deficiencies are included in the letters that the Compliance Committee sends to CPCs each year. Given that the same information is required to be reported in the following year, it was agreed that, after one year, no further changes would be made to Annual Reports. The Chair of the Sub-Committee on Statistics noted that unlike certain entries for compliance data that may be outdated after one-year, statistical data is often updated.

12. Adoption of report and adjournment

The Working Group agreed to adopt the report by correspondence. The Chair thanked the Working Group and the Secretariat for all their work to ensure a successful meeting and the continued development of the IOMS, and adjourned the meeting.

Table 1. Number of CPCs with 2021 annual reports (Statistics: Part 1/Annex 1; Compliance: Part 2/Section 3) uploaded into the IOMS, either completed by CPCs (directly online) or by the Secretariat (uploads based on CPC word templates), together with the completion rates (against a 2021 total of 161 data requirements: 119 compliance related + 42 statistics related). Only four CPCs have completed online the annual reports (information as of 2022-02-07).

Number of CPCs			Completed b	y:	
Group	Completion rate (%)	СРС	Secretariat	pending	TOTAL
Compliance (P2S3: Part 2/Section 3)	0%			13	13
, ,	90%	1			1
	92%	1			1
	98%		1		1
	99%		2		2
	100%	2	37		39
Sub-total		4	40	13	57
Statistics (P1A1: Part 1/Annex 1)	0%		2	11	13
	95%		1		1
	98%	1	2		3
	100%	2	38		40
Sub-total		3	43	11	57

Table 2. Number of 2021 data requirements (annual report groups: a) Statistics: Part 1/Annex 1; b) Compliance: Part 2/Section 3) stored in the IOMS by CPC, Group, and completion source. **Table 2a)** informs on CPCs with data in the IOMS. **Table 2b)** informs on CPCs without data in the IOMS.

2. a) With	data in the IOMS						T
		Group/Com	pletion				
			liance		stical	TOTAL	Remarks
CPC status	СРС	CPC	Secretariat	CPC	Secretariat		
CP	ALBANIA		119		42		Complete
	ALGERIA		119		42		Complete
	BARBADOS				42	42	
	BELIZE		119		42	161	Complete
	BRAZIL		118		33	151	Incomplete
	CANADA	119		42		161	Complete
	CAP-VERT		119		42	161	Complete
	CHINA PR.		119			119	Incomplete
	CURAÇAO		119		42	161	Complete
	EGYPT		119		42	161	Complete
	EL SALVADOR		119		42	161	Complete
	EUROPEAN UNION		119		42	161	Complete
	FRANCE (St-Pierre et Miquelon)		109		31	140	Incomplete
	GHANA		119		42	161	Complete
	GRENADA				42	42	Incomplete
	GUATEMALA		119		42	161	Complete
	GUINEA ECUATORIAL		119		42	161	Complete
	HONDURAS		119		42	161	Complete
	ICELAND		119		42	161	Complete
	JAPAN	119		42		161	Complete
	KOREA REP		119		42	161	Complete
	LIBERIA		119		42	161	Complete
	LIBYA		119		42	161	Complete
	MAROC		83		28	111	Incomplete
	MAURITANIA		119		42	161	Complete
	MEXICO		119		42		Complete
	NAMIBIA		119		42	161	Complete
	NIGERIA		119		42		Complete
	NORWAY	16	103	18	24		Complete
	PANAMA		119		42		Complete
	PHILIPPINES		119		42		Complete
	RUSSIA		119		42		Complete
	SENEGAL		119		42		Complete
	SOUTH AFRICA		119		42		Complete
	St VINCENT & GRENADINES		119		42		Complete
	SYRIA		119		42		Complete
	TRINIDAD & TOBAGO		119		42		Complete
	TUNISIE		119		42		Complete
	TURKEY		119		42		Complete
	UNITED KINGDOM		119		42		Complete
	UNITED STATES	119	113	3	39		Complete
	URUGUAY	113	119		42		Complete
	VENEZUELA		119		42		Complete
NCC	Bolivia		119		42		Complete
IVCC			119		42		
	Chinese Taipei Costa Rica		119		42		Complete Complete
	Suriname		119		42		
	Surmanne		119	l	42	161	Complete

2. b) Without data in the IOMS

	Annual reports not yet in IOMS							
CPC status	CPC	Received ?						
СР	ANGOLA	NO						
СР	CÔTE D'IVOIRE	YES (under revision)						
CP	GABON	YES (under revision)						
СР	GAMBIA	NO						
СР	GUINEA BISSAU	NO						
СР	GUINÉE REP.	NO						
СР	NICARAGUA	YES (under revision)						
CP	S. TOMÉ E PRINCIPE	NO						
СР	SIERRA LEONE	NO						
NCC	Colombia	NO						
NCC	Guyana	YES (under revision)						

Table 3. Revised IOMS workplan adopted by the Group, covering ongoing and future development phases.

			•	3 5 5		Date Start			
Phase	Priority	Module/Task	Description	Data requirements	Dev. Status	(*)	Date End (*)	Budget	Remarks
	1	1 Module	IOMS core/database	n/a	COMPLETE	2019-06-01	2021-08-01	COM-18	
	1	2 Module	IOMS annual report (Part II/Section 3, Part I/Annex 1)	S:GEN01, M:GEN01	COMPLETE	2019-06-01	2021-08-01	COM-18	
	1	3 Task	IOMS in production		COMPLETE	2019-06-01	2021-08-01	COM-18	
	1	1 Task	Training workshop sessions (Phase 1)		n/a	2022-04-28	2022-09-01	COM-18	4 hours per session
	1	1 Task	Improvements and error fixing		COMPLETE	2019-06-01		COM-18	An ongoing task
	2	1 Module	Dynamic Help system (module)	n/a	Ongoing	2021-03-31	2022-03-31		Translation needed (outsourcing)
	2	1 Task	Adjustments to the new roles definition	n/a	Ongoing	2022-02-15	2022-03-15	COM-19	Adopted by WG-ORT 2022
	2	1 Module	ICCAT Vessel Manager	Up to 21 data requirements (Vessel registration, 11 authorisation lists, carriers, chartering arrangements, transhipment authorizations, previous year activity, etc.)	Design / Implementation	2021-03-01	2023-05-01	COM-19	Restart Oct/2021 (6-month dev.) Will require additional time, depending on the functionalities prioritized (to be decided by the WG-ORT in 2022).
	2	1 Task	UN/FLUX integration into Vessel Manager	[same as for Vessel Manager module]	Design / Implementation	2022-04-01	2023-01-01	CPC	Imperative EU participation
	2	1 Task	Improvements and error fixing	n/a	Planned	2023-04-01		COM-19	An ongoing task
	2	1 Task	Vessels Workshop sessions	n/a	n/a		TBD	COM-19	Planned (for Vessel record in production)
	3	1 Module	Port Manager	M:BFT21, M:SWO10	Analysis	2023-03-01	2023-09-01	COM-21	
	3	1 Task	Port Workshop sessions		n/a		TBD	COM-21	
	3	2 Module	T1NC (nominal catches) manager	S:GEN03	Planned	2023-09-01	2023-12-01	COM-21	Start (pending study on time required)
	3	3 Module	Compliance tables manager	M:GEN03	Planned	2024-01-01	2024-04-01	COM-21	Start (pending study on time required)
	3	1 Task	Improvements and error fixing	n/a	Planned	2023-03-01		COM-21	An ongoing task
_	4	1 Module	Shark and billfishes check sheets		Planning		•	COM-23	
	4	2 Module	SDP programs (SWO, BET)	M:TR006, M:SW001	Planning			COM-23	
	4	3 Module	Bluefin tuna (BFT) weekly and monthly reports Manager	M:BFT22, M:BFT23, M:TRO14 weekly BET	Planning			COM-23	
	4	4 Module	Task 2 - Catch and effort	S:GEN04	Planning			COM-23	
	4	1 Task	Improvements and error fixing	n/a	Planning			COM-23	

^{*} Preliminary dates (tentative) for ongoing (Date End) and future (Date Start/Data End) activities.

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Table 4. Adopted changes in the IOMS users roles (inclusion of three additional roles).

Role (code)	Description	Description	Observation
ICCATSEC_ADMIN	Admin user in the ICCAT Secretariat	You will be able to register users of all roles and CPCs, add new roles, organizations, data requests, requirements, regulations, consult the audit table that collects the information of the webservices consumed by the user, edit the main menu and consult the api used for the IOMS web services.	Exists in IOMS
ICCATSEC_USER	Regular officer in the ICCAT Secretariat	You will have permissions to use all IOMS functionalities, except for administration tasks.	Exists in IOMS
ICCAT_CHAIR	Subsidiary bodies Chairs	ICCAT Chairs will be able to access with read permissions all the IOMS information	New
CPC_ADMIN	Admin user in a CPC	You can register CPC Officer users and Flag Admins as well as Flag officers	Exists in IOMS
CPC_OFFICER	Regular officer in a CPC	You will have permissions to use all the IOMS functionalities of your own CPC, except for administration tasks.	Exists in IOMS
CPC_FLAG_ADMIN	Admin user in a Flag-CPC	You can register Flag officers	New
CPC_FLAG_OFFICER	Regular officer in a Flag-CPC	You will have permissions to use all the IOMS functionalities of your own Flag-CPC, except for administration tasks.	New

Table 5. Adopted changes to the map of IOMS user's rights and access levels (descriptors in legend below). New additions shaded in blue.

	ICCATSE	C_ADMIN	ICCATSE	C_USER	ICCAT_	CHAIR	CPC_A	DMIN	CPC_OI	FICER	CPC_FLA	G_ADMIN	CPC_FLAG	_OFFICER
Module	Action	Level	Action	Level	Action	Level	Action	Level	Action	Level	Action	Level	Action	Level
Main dashboard	R	All	R	All	R	All	R	All	R	All	R	All	R	All
Data request	Е	All	E	All	R	All	R	All	R	All	R	All	R	All
Statistical Data Modules (Public)	Е	All	E	All	R	All	R	All	R	All	R	All	R	All
Statistical Data Modules (Confidential)	Е	All	E	All	R	All	E	CPC	E	CPC	E	Flag	E	Flag
Compliance data - Annual Report	Е	All	E	All	R	All	E	CPC	E	CPC	E	Flag	Е	Flag
Compliance data - Vessels Management	Е	All	E	All	R	All	E	CPC	E	CPC	E	Flag	Е	Flag
Compliance data - Ports Management	Е	All	Е	All	R	All	E	CPC	Е	CPC	E	Flag	Е	Flag
Messaging*	R	All	R	All	R	All	R	CPC	R	CPC	R	CPC	R	CPC
Administration - Users	Е	All	R	ICCAT	R	All	E	CPC	N	-	E	Flag	N	-
Administration - Feedback**	Е	All	E	All	Е	All	E	CPC	R	CPC	E	Flag	R	CPC
Administration - Rest	Е	All	N	-	N	-	N	-	N	-	N	-	N	-

^{*}Each user can edit their own messages

Legend: descriptors (Access levels /rights)

Access levels						
All	All CPCs					
CPC	Own CPC					
Flag	Own Flag					
ICCAT	ICCAT Secretariat					

	Rights
R	Reader
E	Editor (full control)
N	None

^{**}Each user can send their own feedback

Appendix 1

Agenda

- 1. Opening of the meeting
- 2. Appointment of Rapporteur
- 3. Adoption of the agenda and meeting arrangements
- 4. Review of the Working Group's mandate (*Recommendation by ICCAT to continue the development of an Integrated Online Reporting System* [Rec. 21-20])
- 5. Status update of the IOMS Phases 1 and 2
 - 5.1 Review of current status and results of the first year in production
 - 5.2 Potential enhancements based on the current knowledge
 - 5.3 Review of the 2022 ICCAT data requirements for IOMS integration
 - 5.4 Dynamic help system financed by EU (1 year: April 2021-March 2022)
- 6. Update and approval of the IOMS workplan
 - 6.1 Review of the current modules in development and planned
 - 6.2 Required extensions/improvements on current modules (vessels, ports)
 - 6.2.1 EU complementary support on the integration of UN/FLUX in the vessel manager (potentially 1 year)
 - 6.3 Rescheduling the IOMS roadmap for Phases 2 and 3 and planning Phase 4 (module priorities)
 - 6.4 Planning the training for IOMS users (training courses, workshops)
- 7. Review of IOMS roles and user rights in data access
- 8. GEF-ABNJ II project to enhance, with extensions, the IOMS on data dissemination (4 years starting in 2022/23)
- 9. Redundancy on data requirements
 - 9.1 Status update on "elimination of redundancy"
 - 9.2 Develop a strategic plan foreseeing the impact of eliminating redundancy (data structures, regulations, etc.)
- 10. Intersessional work required in 2022 (Group and Secretariat)
- 11. Other matters
- 12. Adoption of report and adjournment

Appendix 2

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