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COORDINATING WORKING PARTY ON FISHERY STATISTICS

Twenty-sixth Session

Sixth Meeting of the Aquaculture Subject Group and Twenty-seventh Meeting of the Fisheries Subject Group

Meeting Document for Endorsement: International Standard Statistical Classification of Fishery Vessels by Vessel Types

Rome, Italy, 15-18 May 2019

Author: CWP Secretariat

Document Summary

This document contains the proposed version of the 2005 ISSCFV revision, put forward for endorsement at the 26th session of the CWP.

This document contains the mapping tables between old and new classifications and the final long version of the classification.

During the last CWP intersessional meeting held in Copenhagen in June 2017, the CWP group agreed that FAO would prepare a mapping table for circulation with members for feedback towards eventual endorsement. As part of this process the inputs on the non-fishing vessels as provided by the Global Record Open-Ended Working Group, included here. The final feedback from the working group is expected May 14, 2019 and will be presented to the CWP members. The feedback from the questionnaire, and for the non-fishing vessels from ICCAT and the GR are presented in annexes 1-3. The remarks made by members have been considered for the category of fishing vessels and the proposed changes/additions to non-fishing vessels are highlighted in yellow in the tables (changes were not yet made in the mapping tables). The final consolidated classification will be presented for endorsement at CWP 26.

Timeline		
CWP Session	Date	Comments
CWP 12	1984	ISSCFV by Vessel Type approved

CWP 19	2001 July 10 -13	Presentation of proposal for revising the 1984 classification keeping in mind the need to streamline/simplify the document
CWP 20	2003 January 21-24	After extended discussions by CWP members, it was re-stated that the ISSCFV categories should be based on consideration of vessel structural characteristics, but with agreement that some category terms should be revised to better reflect vessel types currently used in fisheries. Local vessel types' (e.g. "bottom other trawler") may be added as required at the third level as examples of vessel types. The third level categories could be placed under either the category or sub-category, as appropriate.
CWP 21	2005 March 1-4	Revised ISSCFV by vessel type <u>accepted</u> and <u>approved</u> with a move to two-level classification hierarchy as well as the creation of a flexible third level that could be customized to allow for specific vessel types to be accommodated, as required in the individual CWP members' contexts.
CWP 22	2007 February 26 – March 2	Proposed amendment for the 2005 ISSCFV with the retention of a category for 'non-fishing' support vessels.
CWP 25	2016 February 25 - 27	Post-meeting decision to find agreement with members for completing the publication/release of the 2005 ISSCFV.
CWP Intersessional Meeting	2017 June 19 - 22	Agreement to circulate a feedback survey to CWP members in work to finalize the classification revision before CWP 26 for endorsement.
CWP Intersessional Period	April 2018 – April 2019	Deployment of questionnaire to CWP members and feedback request to Global Record member states and parties.

International Standard Statistical Classification of Fishery Vessels (*ISSCFV*) by vessel type

The International Standard Statistical Classification of Fishing Vessels (ISSCFV) by vessel types was first approved at the 12th Session of the Coordinating Working Party on Fishery Statistics Copenhagen, Denmark, 25 July-1 August 1984. The need for a revised classification was first raised at CWP 19 and this document contains the revised classification proposed for endorsement at CWP 26.

In April 2018 a questionnaire was sent to CWP members to collect their feedback on use of the classification, any anticipated impacts of changes as well as any other feedback they wished to share and that feedback is summarized in the document “CWP ISSCFV Feedback” attached as annex 1 here.

A second round of feedback was requested in September 2019 through the technical working group of the *Global Record of Fishing Vessels, Refrigerated Transport Vessels and Supply Vessels – Open-ended Working Group* (Global Record) in order to ensure relevant member states were consulted in addition to the first-round questionnaire distributed to CWP members. Initially, a total of 116 experts from 62 Member States, plus the European Union, were invited to provide their comments and changes to the list. Secondly, in addition to national experts, 33 compliance/data analyst experts from 29 Regional Fisheries Bodies (RFBs) were invited at a later stage to the GRCG-DR to enrich discussions with further comments and changes. The feedback from that consultation has not been finalized by the Global Record, however annex 2 contains the preliminary document which is scheduled for finalization on May 14, 2019. It will be shared with CWP 26 as it should be available in the course of that CWP session. Barring any unresolved discussion points from the CWP members it is anticipated that the revision to the classification will be endorsed during CWP 26.

Items identified for discussion

A consistent need was identified to keep a selection of sub-categories of different non-fishing vessels. It was also proposed that the supra-category distinction between fishing and non-fishing be removed. Specifically, it was proposed to maintain the distinctions between research and training vessels as well as other sub-categories under non-fishing vessels. This feedback has been compiled into proposed amendments for final discussion and endorsement and are highlighted in yellow in Tables 1 and 2 along with the final recommendations made by the Global Record Specialized Core Working Group on Data Requirements (GRCG-DR).

Note: Some members highlighted the fact that internally they will apply an extended ISSCFV classification to best meet their data needs, but no further action is required related to this revision.

Two tables are included in this document and these are followed by the annexes containing feedback:

Table 1 contains the ISSCFV 2005 (including 2007 amendment) revision. The classification contains both fishing vessels (defined as: “vessels engaged only in catching operations”) and non-fishing vessels (defined as: “vessels performing other functions related to fisheries, such as supplying, protecting, rendering assistance or conducting research or training”) These distinctions are shown to ease understanding of the categories, but are not part of the classification itself.

Table 2 contains correspondence table between the old and new classifications with the original classification listed on the left. The table is best read for the purposes of matching the old classifications with the new. For reference, descriptions of the vessel types are available here: <http://www.fao.org/fishery/vesseltype/search/en>



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Table 1. Full listing of the 2005 ISSCFV by Vessel Types (2007 revisions)

ISSCFV 2005 (including 2007 amendment) revision		ISSCFV Code	Standard Abbreviation
Category	Sub-Category		
Fishing vessels ¹	Trawlers	1	TO
		1.1	OT
		1.2	PT
		1.3	BT
		1.4	TS
		1.5	TT
		1.9	TOX
	Purse seiners	2	SP
		2.1	SPA
		2.2	SPE
		2.3	SPD
		2.9	SPX
	Seiners (other)	3	SO
		3.9	SOX
	Dredgers	4	DO
		4.9	DOX
	Lift netters	5	NO
		5.1	NS
		5.9	NOX
Gillnetters	6	GO	
	6.1	GD	
	6.2	GS	
	6.9	GOX	

¹ Fishing Vessel: vessels engaged only in catching operations.

ISSCFV 2005 (including 2007 amendment) revision		ISSCFV Code	Standard Abbreviation	
<i>Category</i>	<i>Sub-Category</i>			
Trap setters	Pot vessels	7.1	WP	
	Trap setters nei	7.9	WOX	
	Longliners	Bottom longliners	8.1	LL
		Midwater longliners	8.2	LM
		Longliners nei	8.9	LLX
		Line vessels (other)	Jigger vessels	9.1
Pole and Line vessels	9.2		LP	
Trollers	9.3		LT	
Hand liner vessels	9.4		LH	
Line vessels nei	9.9		LOX	
Multipurpose vessels	Purse seine/pelagic trawlers		10.1	MTS
	Multipurpose trawlers (in combination with longline, trap, gillnet, dredge)	10.2	MTW	
	Multipurpose non trawlers (longline, gillnet, trap)	10.3	MLG	
	Multipurpose vessels nei	10.9	MOX	
	Recreational fishing vessels	Recreational fishing vessels nei	18.9	ROX
Other fishing vessels		Other fishing vessels nei	19.9	FXS
	Motherships	Motherships nei	20.9	HOX
Fish carriers and reefers		Refrigerated transport vessels	21.1	FR
	Fish carriers and reefers nei	21.9	FOX	
	Support vessels	Bunkering tanker vessels	23.1	SB
Towing vessels		23.2	ST	
Support and auxiliary ships nei		23.9	SAX	
Fishery research and survey vessels		Fishery research and survey vessels nei	25.9	RTX

² It was considered by the GRWG that this terminology would be in line with international instruments such as the PSMA.

ISSCFV 2005 (including 2007 amendment) revision		ISSCFV Code	Standard Abbreviation
<i>Category</i>	<i>Sub-Category</i>		
Patrol vessels	Patrol vessels nei	26 26.9	PX PXX
	Fishery training vessels	27 27.9	CO COX
	Vessels supporting fishing related activities	29 29.1	VO VOM
	Vessels supporting fishing related activities, nei	29.9	VOX

Table 2. Correspondence table for the category-level of the ISSCFV by vessel types classification for the 1984 and the 2005 ISSCFV (2007 revision) versions.

ISSCFV 1984		ISSCFV Code	Standard Abbreviation		ISSCFV 2005 (including 2007 amendment) revision		ISSCFV Code	Standard Abbreviation
<i>Fishing Vessel Category</i>	<i>Fishing Vessel Sub-Category</i>				<i>Fishing Vessel Category</i>	<i>Fishing Vessel Sub-Category</i>		
Trawlers		01.0.0	TO		Trawlers		1	TO
Trawlers	Side trawlers	01.1.0	TS		Trawlers	Side trawlers	1.4	TS
Trawlers	Side trawlers wet-fish	01.1.1	TSW		Trawlers	Trawler nei	1.9	TOX
Trawlers	Side trawlers freezer	01.1.2	TSF		Trawlers	Trawler nei	1.9	TOX
Trawlers	Stern trawlers	01.2.0	TT		Trawlers	Stern trawlers	1.5	TT
Trawlers	Stern trawlers wet-fish	01.2.1	TTW		Trawlers	Trawler nei	1.9	TOX
Trawlers	Stern trawlers freezer	01.2.2	TTF		Trawlers	Trawler nei	1.9	TOX
Trawlers	Stern trawlers factory	01.2.3	TTP		Trawlers	Trawler nei	1.9	TOX
Trawlers	Outrigger trawlers	01.3.0	TU		Trawlers	Otter trawlers	1.1	OT
					Trawlers	Pair trawlers	1.2	PT
					Trawlers	Beam trawlers	1.3	BT
					Trawlers	Trawler nei	1.9	TOX
Trawlers	Trawler nei	01.9.0	TOX		Trawlers	Trawler nei	1.9	TOX
Seiners		02.0.0	SO		Seiners (other)		3	SO
Seiners	Purse seiners	02.1.0	SP		Purse seiners	Purse Seiners - American type	2.1	SPA
					Purse seiners	Purse Seiners - European type	2.2	SPE
					Purse seiners	Drum seiners	2.3	SPD
					Purse seiners	Purse seiners nei	2.9	SPX
Seiners	North American type	02.1.1	SPA		Purse seiners	Purse Seiners - American type	2.1	SPA
Seiners	European type	02.1.2	SPE		Purse seiners	Purse Seiners - European type	2.2	SPE

Seiners	Tuna purse seiners	02.1.3	SPT		Purse seiners	Purse Seiners - American type	2.1	SPA
					Purse seiners	Purse Seiners - European type	2.2	SPE
					Purse seiners	Purse seiners nei	2.9	SPX
Seiners	Seiner netters	02.2.0	SN		Purse seiners	Purse seiners nei	2.9	SPX
Seiners	Seiner nei	02.9.0	SOX		Purse seiners	Purse seiners nei	2.9	SPX
					Seiners (other)	Seiners nei	3.9	SOX
Dredgers		03.0.0	DO		Dredgers		4	DO
Dredgers	using boat dredge	03.1.0	DB		Dredgers	Dredgers nei	4.9	DOX
Dredgers	using mechanical dredge	03.2.0	DM		Dredgers	Dredgers nei	4.9	DOX
Dredgers	Dredgers nei	03.9.0	DOX		Dredgers	Dredgers nei	4.9	DOX
Lift netters		04.0.0	NO		Lift netters		5	NO
Lift netters	using boat operated net	04.1.0	NB		Lift netters	Lift netters nei	5.9	NOX
Lift netters	Lift netters nei	04.9.0	BOX		Lift netters	Lift netters nei	5.9	NOX
Gillnetters		05.0.0	GO		Gillnetters		6	GO
					Gillnetters	Drifters	6.1	GD
					Gillnetters	Set netters	6.2	GS
					Gillnetters	Gillnetters nei	6.9	GOX
Trap setters					Trap setters		7	WO
	Pot vessels	06.1.0	WOP			Pot vessels	7.1	WP
	Trap setters nei	06.9.0	WOX			Trap setters nei	7.9	WOX
Liners		07.0.0	LO		Longliners		8	LL
					Line vessels (other)		9	LO
Liners	Handliners	07.1.0	LH		Line vessels (other)	Line vessels nei	9.9	LOX
Liners	Longliners	07.2.0	LL		Longliners	Bottom longliners	8.1	LB
					Longliners	Midwater longliners	8.2	LM
					Longliners	Longliners nei	8.9	LLX
Liners	Tuna longliners	07.2.1	LLT		Longliners	Midwater longliners	8.2	LM
					Longliners	Longliners nei	8.9	LLX
Liners	Pole and line vessels	07.3.0	LP		Line vessels (other)	Line vessels nei	9.9	LOX
Liners	Japanese type	07.3.1	LPJ		Line vessels (other)	Line vessels nei	9.9	LOX
Liners	American type	07.3.2	LPA		Line vessels (other)	Line vessels nei	9.9	LOX
Liners	Trollers	07.4.0	LT		Line vessels (other)	Trollers	9.3	LT
Liners	Liners nei	07.9.0	LOX		Longliners	Bottom longliners	8.1	LB
					Longliners	Midwater longliners	8.2	LM
					Longliners	Longliners nei	8.9	LLX

				Line vessels (other)	Jigger vessels	9.1	LJ
				Line vessels (other)	Pole and Line vessels	9.2	LP
				Line vessels (other)	Trollers	9.3	LT
				Line vessels (other)	Hand liner vessels	9.4	LH
				Line vessels (other)	Line vessels nei	9.9	LOX
Vessels using pumps for fishing		08.0.0	PO	Multipurpose vessels		10	MO
Multipurpose vessels		09.0.0	MO	Multipurpose vessels		10	MO
Multipurpose vessels	Seiner-handliners	09.1.0	MSN	Multipurpose vessels	Multipurpose non trawlers (longline, gillnet, trap)	10.3	MLG
Multipurpose vessels	Trawler-purse seiners	09.2.0	MTS	Multipurpose vessels	Purse seine/pelagic trawlers	10.1	MTS
Multipurpose vessels	Trawler-drifters	09.3.0	MTG	Multipurpose vessels	Multipurpose trawlers (in combination with longline, trap, gillnet, dredge)	10.2	MTW
Multipurpose vessels	Multipurpose vessels nei	09.9.0	MOX	Multipurpose vessels	Multipurpose vessels nei	10.9	MOX
Recreational fishing vessels		10.0.0	RO	Recreational fishing vessels		18	RO
					Recreational fishing vessels nei	18.9	ROX
Fishing vessels not specified		49.0.0	FX	Other fishing vessels		19	FX
					Other fishing vessels nei	19.9	FXX
Motherships		11.0.0	HO	Motherships		20	HO
Motherships	Salted-fish motherships	11.1.0	HSS	Motherships	Motherships nei	20.9	HOX
Motherships	Factory motherships	11.2.0	HSF	Motherships	Motherships nei	20.9	HOX
Motherships	Tuna motherships	11.3.0	HST	Motherships	Motherships nei	20.9	HOX
Motherships	Motherships for two-boat	11.4.0	HSP	Motherships	Motherships nei	20.9	HOX
Motherships	Purse seining Motherships nei	11.9.0	HOX	Motherships	Motherships nei	20.9	HOX
Fish carriers		12.0.0	FO	Fish carriers and reefers		21	FO
					Refrigerated transport vessels	21.1	FR
					Fisher carriers and reefers nei	21.9	FOX
Hospital ships		13.0.0	KO	Non-fishing vessels nei		29	VOX
Protection and survey vessels		14.0.0	BO	Patrol vessels		26	PX
					Patrol vessels nei	26.9	PXX
Fishery research vessels		15.0.0	ZO	Fishery research and survey vessels		25	RT

					Fishery research and survey vessels nei	25.9	RTX
Fishery training vessels	16.0.0	CO		Fishery training vessels		27	CO
					Fishery training vessels	27.9	COX
Non-fishing vessels nei	99.0.0	VOX		Support vessels		23	SA
					Bunkering tanker vessels	23.1	SB
					Towing vessels	23.2	ST
					Support and auxiliary ships nei	23.9	SAX
Non-fishing vessels nei	99.0.0	VOX		Vessels supporting fishing related activities		29	VO
					Multipurpose vessels supporting fishing related activities	29.1	VOM
					Vessels supporting fishing related activities, nei	29.9	VOX



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Annex 1. CWP Member Feedback on ISSCFV revision

A two-part consultation exercise was conducted to collect feedback. In the first stage a questionnaire was deployed in April 2018 and 10 agencies provided responses. Of these ten exactly half reported using the ISSCFV classification in their organizations, but some feedback was still provided by members not using the classification.

Responses were provided by:

- . Network of Aquaculture Centres in Asia-Pacific (NACA)
- . Commission for the Conservation of Antarctic Marine Living Resources (CCAMLR)
- . South East Atlantic Fisheries Organisation (SEAFO)
- . Organization for Economic Cooperation and Development (OECD)
- . Indian Ocean Tuna Commission (IOTC)
- . Inter-American Tropical Tuna Commission (IATTC)
- . International Commission for the Conservation of Atlantic Tuna (ICCAT)
- . International Council for the Exploration of the Sea (ICES)
- . Northwest Atlantic Fisheries Organization (NAFO)
- . The South Pacific Regional Fisheries Management Organisation (SPRFMO)

The full questionnaire can be accessed, for reference, from the link <https://www.surveymonkey.com/r/R38GBWG> while only the non-administrative questions are listed here in the summary document. The organizational responses are provided in a tabular format with any relevant synthesis provided above the table.

These organizations all indicated the need to maintain distinctions within the category of vessels not directly engaged in fishing activities and specifically to maintain the distinctions about the research and training vessels. The term ‘non-fishing’ support vessels is not compatible with the definition of fishing in our Convention a better term would be “‘non-fishing’ and support vessels". The effect a wet-fish boat has on the ecosystem is very different from that of a factory vessel and vessel type is the only place these differences are effectively captured.

ICCAT -> caveat at the end of the feedback: It is sufficient for ICCAT to know that, all this Group (FAO/CWP partners) is aware of the ICCAT proposal (need to extend the ISSCFV).

In summary, the largest area of concern encountered from the CWP member feedback was in the category currently labelled 'Non-fishing vessels'.

Q3. DOES YOUR ORGANIZATION CURRENTLY USE THE ISSCFV BY VESSEL TYPES?

5 organizations currently use the ISSCFV while the remaining 5 do not.

Organization	Response
NACA	No
CCAMLR	No
SEAFO	Yes
OECD	No
IOTC	IOTC uses an internal classification for vessel types, reflecting the specific nature of fishing operations within the region. Nevertheless, in the context of the Consolidated List of Authorized Vessels (CLAV) (and for more general harmonization purposes) IOTC took care of providing mappings between IOTC vessel type codes and ISSCFV (1984)
IATTC	Yes
ICCAT	Yes
ICES	No
NAFO	Yes
SPRFMO	Yes

Q4. If yes, please indicate where your organization uses the ISSCFV (e.g. in a database or for statistical reporting)

All of the organizations utilizing the ISSCFV use the classification in a database form.

Organization	Response
NACA	NA
CCAMLR	NA
SEAFO	In Database for statistical reporting
OECD	NA
IOTC	NO - As anticipated (see question 3) IOTC doesn't directly use ISSCFV. In any case, vessel types are used in the Record of Authorized Vessels (RAV)
IATTC	Database
ICCAT	ICCAT vessel record
ICES	No
NAFO	In a database of NAFO-notified vessel

SPRFMO The SPRFMO Database containing our Record of Vessels and all our associated fishing activity, observer and landings data. Vessel type is also linked through to our SPRFMO VMS Database

Q5. If yes, do you use the alpha code, numeric code or both? Please tick the appropriate answer.

Of the organizations that currently use the ISSCFV, 3 use only Alpha codes while the other 2 use both Alpha and numeric codes. A note was provided from the IOTC that where the mapping is defined the Alpha code is used.

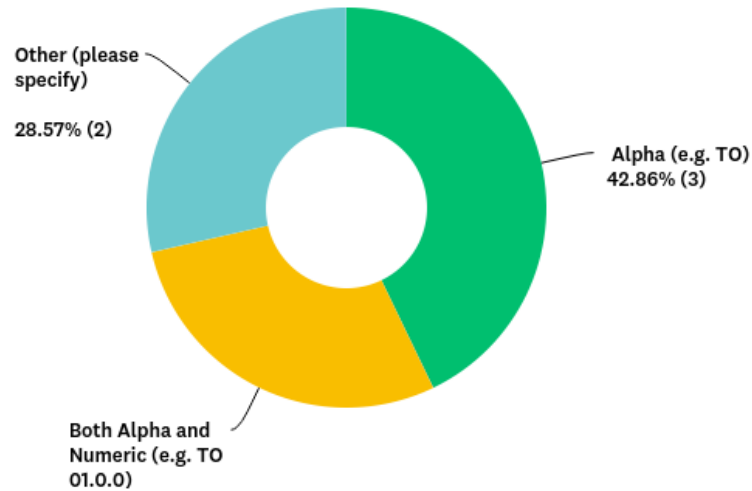


Figure 1. Graphical representation of the type of codes used by the responding CWP members.

Organization	Response
NACA	NA
CCAMLR	NA
SEAFO	Alpha (e.g. TO)
OECD	NA
IOTC	As anticipated (see question 3) IOTC doesn't directly use ISSCFV. In any case, where the IOTC vs. ISSCFV (1984) mapping is defined, it uses the Alpha code ("Standard Abbreviation")

IATTC	Alpha (e.g. TO)
ICCAT	Both Alpha and Numeric (e.g. TO 01.0.0)
ICES	No
NAFO	Alpha (e.g. TO)
SPRFMO	Both Alpha and Numeric

Q6. Please indicate the extent of disaggregation your organization uses for categories/sub/tertiary level categories

Of the organizations that currently use the ISSCFV (plus the response provided by IOTC), four use tertiary level categories while two use sub-categories and only one uses the category level.

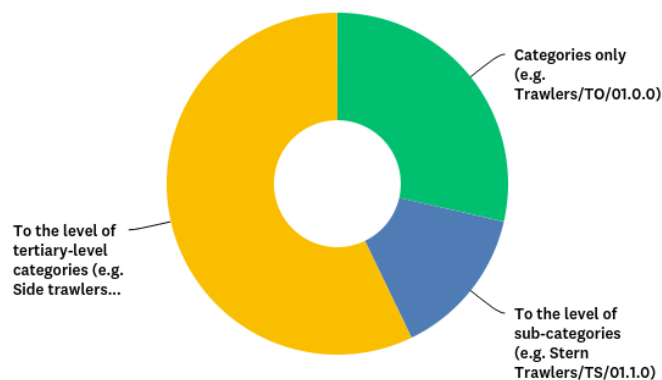


Figure 2. Graphical representation of the level of disaggregation of the ISSCFV used by the responding CWP members.

Organization	Response
NACA	NA
CCAMLR	NA
SEAFO	To the level of sub-categories (e.g. Stern Trawlers/TS/01.1.0)
OECD	NA
IOTC	To the level of tertiary-level categories (e.g. Side trawlers wet-fish/TSW/01.2.2)
IATTC	Categories only (e.g. Trawlers/TO/01.0.0)
ICCAT	To the level of tertiary-level categories (e.g. Side trawlers wet-fish/TSW/01.2.2)
ICES	No
NAFO	To the level of tertiary-level categories (e.g. Side trawlers wet-fish/TSW/01.2.2)

SPRFMO To the level of tertiary-level categories (e.g. Side trawlers wet-fish/TSW/01.2.2)

Q7. Please rate the degree of impact the following changes would have for your workflow (1-least -> 4 highest impact)

A high level of impact was reported by three organizations – in two cases this was about change in the alpha codes, while for the third case this level of impact was indicated for change in the numeric codes. Removal of the numeric codes was indicated to have a medium-high level of impact by two organizations while another indicated the same impact for a change in the alpha codes. Otherwise, change or removal of alpha codes was indicated as low or medium-low impact.

Organization	Response
NACA	NA
CCAMLR	NA
SEAFO	Change of alpha codes (e.g. move to standardized use of only 2 letter codes): 1 Removal of alpha codes: 2
OECD	NA
IOTC	Change of alpha codes (e.g. move to standardized use of only 2 letter codes): 1 Removal of alpha codes: 2
IATTC	Change of alpha codes (e.g. move to standardized use of only 2 letter codes) 3 Removal of alpha codes 4 Change of numeric codes 1 Removal of numeric codes 2
ICCAT	Change of alpha codes (e.g. move to standardized use of only 2 letter codes) 1 Removal of alpha codes 4 Change of numeric codes 2 Removal of numeric codes 3
ICES	NA (?)
NAFO	Change of alpha codes (e.g. move to standardized use of only 2 letter codes) 3 Removal of alpha codes 4 Change of numeric codes 1 Removal of numeric codes 2
SPRFMO	Change of alpha codes (e.g. move to standardized use of only 2 letter codes) 2 Removal of alpha codes 1 Change of numeric codes 4 Removal of numeric codes 3

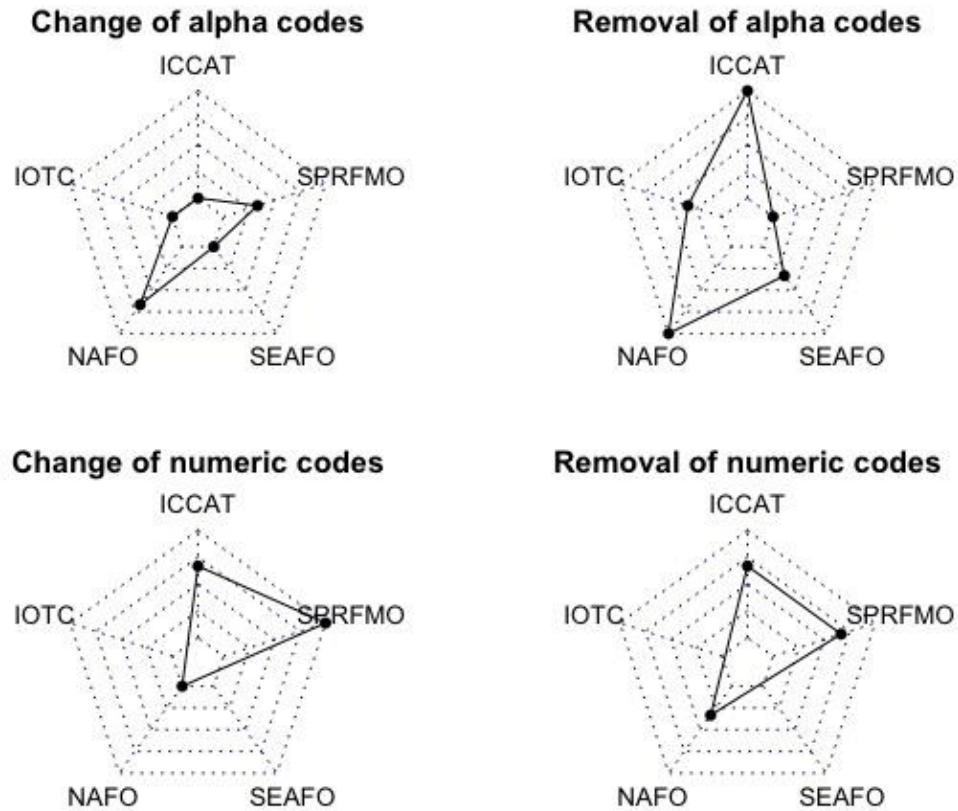


Figure 3. Graphical representation of the reported degree of impact made by changes in the ISSCFV by the responding CWP members.

Q8. Regarding the ISSCFV 2005 (including 2007 amendment) revision:

a) Do you feel that the proposed sub-categories presented under "[non-fishing] support vessels" meet the needs of your organization?

b) Are you in agreement that the three categories 'Fishery research vessels'; 'Fishery training vessels' and 'Recreational fishing vessels' formerly listed in ISSCFV (1984) no longer be represented in the proposed ISSCFV 2005 (including 2007 amendment) revision? They were excluded for the reason that they reflect vessel use/licensing rather than vessel structure. In other words, are you in agreement that vessels belonging to these

three former categories can be satisfactorily mapped or assigned to one of the existing categories of the ISSCFV 2005 (including 2007 amendment) revision?

Five of the respondents provide positive responses for both questions, however, pertinent feedback was provided on the classification by three of the organizations. These organizations all indicated the need to maintain distinctions within the category of vessels not directly engaged in fishing activities and specifically to maintain the distinctions about the research and training vessels.

Organization	Response
NACA	NA
CCAMLR	NA
SEAFO	Yes / Yes
OECD	NA
IOTC	Yes / Yes with caveats for both: Regardless of the fact that IOTC is not at present directly using ISSCFV classifications, we still keep track of "research and training" vessels within our Record of Authorized Vessels and we're currently mapping this vessel code to the old (ISSCFV 1984) "ZO" code (15.0.0). In any case, for historical reasons the IOTC Secretariat expects to clearly distinguish research and training vessels from other non-fishing vessels.
IATTC	Yes / Yes
ICCAT	No/No
ICES	I think it would be a mistake to remove the fishery research vessels category. It is not about licensing, but about special equipment on board. Masking this ship type under the non-fishing vessels category would be too broad and incorrect. Protection vessels probably also have special equipment, so it is not purely licensing issue. I'm not sure what the survey vessels are. Isn't it the same as research vessels? But all-in-all, I think there's a need to investigate more into these categories and their use before they are dismissed.
NAFO	Yes / Yes
SPRFMO	Yes / Yes however , the proposed sub categories for trawlers does not met the needs of our Org as it mixes methods (otter/pair) and loses valid types (such as wet-fish& factory).

Q9. Please provide any other feedback you have on the matter of publishing the 2005 version ISSCFV (including 2007 revisions)

Two specific points of feedback were provided – one to distinguish non-fishing and support vessels and the other, more detailed feedback from ICCAT.

Organization	Response
NACA	NA
CCAMLR	no issues with publishing a revised version
SEAFO	Na
OECD	NA
IOTC	Na
IATTC	NA
ICCAT	See below, Annex 1.
ICES	No
NAFO	None, so far.
SPRFMO	The term ‘non-fishing’ support vessels is not compatible with the definition of fishing in our Convention a better term would be "non-fishing and support vessels"

Q10. Please provide any other comments / feedback you feel relevant.

Three points of feedback were provided – one welcoming the streamlining while the other two pointed to concerns. The differentiation between wet-fish and factory boats was raised while the more detailed feedback provided by IATTC is contained in Annex 1.

Organization	Response
NACA	NA
CCAMLR	We welcome the simplification, and feel the changes are in the right direction, however we do not report on vessel types, consequently the standard gear classification is of most interest to CCAMLR
SEAFO	Na
OECD	NA
IOTC	NA
IATTC	See below, Annex 1.1
ICCAT	Na
ICES	No
NAFO	None, so far.
SPRFMO	The addition of jigging is very welcome but the proposed re-categorization of Trawlers mixes gear/method concepts with vessels types. The effect a wet-fish

boat has on the ecosystem is very different from that of a factory vessel and vessel type is the only place these differences are effectively captured.

Annex 2 ICCAT Feedback

Looking at the current ISSCFV status, ICCAT (**on the basis of its regulatory measures**) will have to:

Proposal: extend the ISSCFV with these elements:

a) (Fishing vessels):

- add to Description of element "9.2" (LP) the word "baitboat" (as "Pole and Line (baitboat) vessels"). ICCAT does not use "pole and line" but baitboat instead.
- include back "RO (Recreational vessels)". It would fit well inside group 19 (Other fishing vessels) as 19.1 (or similar)

b) (Support fishing vessel): add three new elements

SV SUPPORT VESSEL
TW TOWING VESSEL,
AU AUXILIARY VESSEL

(possibly as a new category, 11, which doesn't yet exist in ISSCFV: they don't fit well under multi-purpose category).

The main rationale (based on the ICCAT regulations, SCRS definition, etc.) explained:

- ICCAT definition of fishing vessel does not "totally" concur with the FAO/CWP definition (fishing = catching). **Fishing activity does not always imply catching** ("zero" catches!!!).
- Also, a fishing vessel can participate in fishing operations (support/auxiliary) without having implicit catches (but with a net [+] contribution to the **fishing mortality**: efficiency gains).

Two examples in ICCAT:

- :: Bluefin PS joint fishing operations (usually purse-seiners and/or other fishing vessel) with various vessels (some actively supporting the fishing operation).
- :: Baitboat vessels participating, as "school aggregators" on purse-seine tropical fishing operations

(NOTE: "fishing" definition becomes more complex adding the secondary effects of a fishing activity on a stock: dead releases as "not retained catches"; mortality related to live releases as "other biomass removals", etc.)

Final statements:

- If the proposed extensions (above) cannot (for any reason) be incorporated in the current ISSCFV, ICCAT will have to internally the ISSCFV extended version (detailed above).
- In any case (I've participated, partially, on the ISSCFV discussions since 2003) and to avoid more delays on the final ISSCFV adoption we support the current version as is (an improvement/simplification over the old ISSCFV version).

It is sufficient for ICCAT to know that, all this Group (FAO/CWP partners) is aware of the ICCAT proposal (need to extend the ISSCFV).

Global Record Specialized Core Working Group on Data Requirements (GRCG-DR)

Preliminary review of the proposed amendments to the ISSCFV list

PARTICIPATION

The GRCG-DR consultation on the amendments to the ISSCFV list, was carried out following a two-phase approach. Initially, a total of 116 experts from 62 Member States, plus the European Union, were invited to provide their comments and changes to the list. Secondly, in addition to national experts, 33 compliance/data analyst experts from 29 Regional Fisheries Bodies (RFBs) were invited at a later stage to the GRCG-DR to enrich discussions with further comments and changes.

COMMENTS RECEIVED

To effectively facilitate the development of the discussions, the ISSCFV table was split into its two existing vessel supra-categories.

1. FISHING VESSELS

In respect of the amendments proposed to the ISSCFV version of 1984, the experts suggested the following changes:

- seiners nei: to keep SOX code (instead of SPX);
- Pot vessels: to keep WOP code (instead of WP);
- Handliner vessels (LH): should be kept as separate category from Pole and Line vessels;
- Recreational vessels: should be kept as separate category (same in ISSCFG);
- Other fishing vessels: to keep FX code (instead of OV).

Response: The codification has been adjusted to follow a standardized format and meet with the requirements set out by the Office of the Chief Statistician in FAO. In particular the conventions around number of characters depending on the category level and use of 'X' endings have been followed.

New categories proposed:

- Need to differentiate between large vessels (with onboard factories/frozen/RSW decks) vs smaller artisanal type vessels (probably based on GT/LOA).

Response: The classification focuses only on the attribute of vessel characteristics, not size or type of equipment. GT or LOA are complementary classifications which apply to vessels to distinguish their size. The need for a complementary classification “Fish preservation mode” could be opened for discussion at CWP 26.

New subcategories proposed:

- Lift netters: to add a new subcategory entitled “Stick-held dip net”;
- Multipurpose category: to add a new subcategory entitled “Multipurpose non trawlers (jig, Stick-held dip net)”

Response: As proposed to other CWP members specific needs like these mentioned above can be described through tertiary level categories used by specific organizations and then mapped back, if needed, to the classification.

Other:

- Need to correctly define Fishing vessel;
- American type and European type purse seiners aren’t self-explanatory terms (same to previous Japanese and American type liners);
- Procedure on how to classify vessels authorized to fish with several gears:
 - o Input classification in accordance with the main gear of the vessel;
 - o Vessels fishing with different gears should be classified as Multipurpose vessels; or
 - o In accordance with the licence

Response: Definitions are listed on the CWP website/handbook and would not be included in the tables for the classification. The matter of gears is separate from the vessel type – ISSCFG contains these details.

2. NON-FISHING VESSELS

Regarding the amendments proposed to the ISSCFV version of 1984, the experts suggested the following changes:

- Inspection vessels: should be kept
 - o Proposed inclusion countered as it would not be relevant for the Global Record
- Research vessels: should be kept but as fishing vessel

Response: The matter of research vessels has been raised by other CWP members, along with that of non-fishing vessels and will be finalized at CWP 26.

New categories proposed:

- Bunkering vessels/tankers
- Support and auxiliary vessels
- Fish carriers/reefers (not containers)
- Towing vessels
- Suppliers/vendor Ships
- Multipurpose non-fishing vessels

Other:

- Given the broad definition of “fishing vessel” in use by many international instruments, for consistency, greater clarity and in order to facilitate the effective implementation of these instruments, some experts suggested to use just a unique super-category named “fishing vessels”

Response: The matter of research vessels has been raised by other CWP members, along with that of non-fishing vessels and will be finalized at CWP 26. The super categories are more for presentation purpose and do not alter the classification structure.

CONCLUSIONS

Main changes proposed by the expert group referred to the Non-fishing vessels super-category.

Within the “Fishing vessel” super-category, the expert group expressed the need of maintaining several codes and categories (such as recreational vessels and handliners) modified or simplified on the revised version. Moreover, some of the experts stressed the need of distinguishing between industrial vessels with processing/freezing capacity versus artisanal vessels. For fishing vessels, only two new non previously existing subcategories were proposed (“Stick-held dip net”).

Regarding the “Non-fishing vessel” super-category, some experts highlighted the need to consider other non-fishing vessel categories such as Bunkering or tanker vessels, reefers, auxiliary ships, towing vessels and suppliers. Furthermore, to simplify vessels used for transport, experts

suggested to add a common inclusive category for fish carriers and reefers. The lack of a comprehensive category for vessels conducting transport and supply activities was also noted. As result, a multipurpose non-fishing vessel category was suggested.

At last, to reduce confusion and increase consistency with existing international instruments such as the PSMA, it was highlighted the need to define what shall be understood as “fishing vessel”. As proposed, it was suggested to combine both super-categories under a unique one entitled “fishing vessels”, conducting fishing and fishing related activities.

PENDING ISSUES

- Container vessels: due to the upward trend on the use of refrigerated containers on board container vessels to transport fish products instead of the traditional transport vessels. The group should assess the appropriateness of including container vessels as a new vessel type category.
- Vessel definitions: the group reflected the non-existence of common understanding of different vessel categories such as supply, auxiliary or support vessels that were indistinctly use referring to the same category. However, it is clear from the discussions that common definitions of what these additional vessel types would be needed.

3a. ISSCFV Review Recomendations:

Fifth Meeting of the Global Record Working Group (GRWG5)

On the occasion of the revision by the Coordinating Working Party on Fishery Statistics (CWP) to the International Standard Statistical Classification of Fishery Vessels by Vessel Types (ISSCFV), the GRWG4 agreed on the necessity to broaden discussions for the revision of the ISSCFV list among a range of experts in fields beyond fisheries statistics and noted that specific classification categories for non-fishing vessels would be necessary to fulfil the objectives of the Global Record and other instruments, initiatives and tools to fight IUU fishing. In follow-up to these recommendations, the Secretariat initiated an online consultation through the Global Record Specialized Core Working Group on Data Requirements (GRCG-DR), the report of the consultation is presented in GRWG/5/2019/Inf.4. The CWP Secretariat reviewed the conclusions of the consultation and in consideration of these, further amended the ISSCFV, including the addition of specific classification categories for non-fishing vessel types. The final amended ISSCFV, as shown in appendix 1 of this document, along with the final feedback from the GRWG5, is to be presented to the 26th session of the CWP for endorsement on the 15-18 May 2019.

General comments:

- The amendments, in track change modality, and comments, as footnotes, to the table reflect the views of the participants to the GRWG5.
- Inputs gathered in this review includes the views of multiple States, RFMOs, IGOs and NGOs.

- The participants from Brazil noted that prior to give any response regarding the new terms proposed in this process, further time was needed in order to conduct internal consultation about the definition for each term.

Table 2. Final proposal from the Coordinating Working Party on Fisheries Statistics (CWP)

ISSCFV 2005 (including 2007 amendment) revision		ISSCFV Code	Standard Abbreviation
Category	Sub-Category		
Fishing vessels ³	Trawlers	1	TO
		1.1	OT
		1.2	PT
		1.3	BT
		1.4	TS
		1.5	TT
		1.9	TOX
	Purse seiners	2	SP
		2.1	SPA
		2.2	SPE
		2.3	SD
		2.9	SPX
	Seiners (other)	3	SO
		3.9	SOX
Dredgers	4	DO	
	4.9	DOX	
Lift netters	5	NO	
		NS	
	5.9	NOX	
Gillnetters	6	GO	
	6.1	GD	
	6.2	GS	

³ Fishing Vessel: vessels engaged only in catching operations.

⁴ In the case that Side trawlers and Stern trawlers were retained, it considers that Otter trawlers should be removed.

⁵ GRWG considers that stern and side trawlers are different vessel types. Also separated in various RFMOs and still in use today, therefore asks the CWP to consider keeping these as separate vessel types.

⁶ Asks to reconsider this vessel type, as recommended by GRCG-DR, as it requires a specific deck arrangement

ISSCFV 2005 (including 2007 amendment) revision		ISSCFV Code	Standard Abbreviation
Category	Sub-Category		
	Gillnetters nei	6.9	GOX
Trap setters		7	WO
	Pot vessels	7.1	WOP ⁷
	Trap setters nei	7.9	WOX
Longliners		8	LL
	Bottom longliners	8.1	LB
	Midwater longliners	8.2	LM
	Longliners nei	8.9	LLX
Line vessels (other)		9	LO
	Jigger vessels	9.1	LJ
	Pole and Line vessels	9.2	LP
	Hand liner vessels ⁸		LH
	Trollers	9.3	LT
	Line vessels nei	9.9	LOX
Multipurpose vessels		10	MO
	Purse seine/pelagic trawlers	10.1	MTS
	Multipurpose trawlers (in combination with longline, trap, gillnet, dredge)	10.2	MTW
	Multipurpose non trawlers (longline, gillnet, trap)	10.3	MLG
	Multipurpose vessels nei	10.9	MOX
Recreational fishing vessels			RO
	Recreational fishing vessels nei ⁹		ROX
Other fishing vessels		19	OV
	Other fishing vessels nei	19.9	OVX
Motherships		20	HO
Vessels supporting	Motherships nei	20.9	HOX
Fish carriers and reefers		21	FO

⁷ As requested by the GRCG-DR. The code is still in use, therefore it would create challenges if it were changed

⁸ Requested to keep as it is important for certain RFMO (tuna)

⁹ Was considered as an important category due to the increasing relevance of these vessel types within fisheries management of certain countries and its specific characteristics. Relevant to be compliant with ICCAT, due to reporting obligations. Recreational vessels possess different accommodation designs. Sport fishing vessels are included in this category.

ISSCFV 2005 (including 2007 amendment) revision		ISSCFV Code	Standard Abbreviation
Category	Sub-Category		
fishing related activities ¹⁰	Refrigerated transport vessels Fish carriers and reefers nei	21.9	FOX
	ii	22	
	i	22.9	
	Support vessels	23	SO SB
	Bunkering tanker vessels ¹² Towing vessels Support vessels nei	23.9	ST SOX
		24	TV
	¹³	24.9	TVX
	Fishery research and survey vessels	25	RT
	Fishery research and survey vessels nei	25.9	RTX
	Patrol vessels¹⁴	26	PX
Patrol vessels nei	26.9	PXX	
Fishery training vessels¹⁵	27	CO	
Fishery training vessels	27.9	COX	
Multipurpose vessels supporting fishing related activities¹⁶	28	NF	

¹⁰ It was considered by the GRWG that this terminology would be in line with international instruments such as the PSMA.

¹¹ Moved below

¹² To be consistent with IHS M&T vessel types

¹³ Moved above

¹⁴ To be consistent with IHS M&T vessel types and RFMOs.

¹⁵ It was considered that this related to the activity of the vessel rather than the vessel type.

¹⁶ Supports the inclusion of this vessel type as proposed by the GRCG-DR

ISSCFV 2005 (including 2007 amendment) revision		ISSCFV Code	Standard Abbreviation
Category	Sub-Category		
	Multipurpose vessels supporting fishing related activities nei	28	NFX
	Vessels supporting fishing related activities ¹⁷	29	VO
	Vessels supporting fishing related activities, nei	29.9	VOX

¹⁷ For the interest of consistency with the super category