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**UNITED STATES PROPOSAL: DRAFT STANDARDS, SPECIFICATIONS AND
PROCEDURES FOR THE WCPFC RECORD OF FISHING VESSELS**

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24 September 2013

Standards, Specifications and Procedures for the WCPFC Record of Fishing Vessels

Proposal by the United States of America to the Ninth Regular Session of the Technical and Compliance Committee

~~August 23~~September 20, 2013 (Rev 1)

Explanatory Note

Rev 1

This version replaces the version dated August 23, 2013, and incorporates changes based on input from the Secretariat. The changes are primarily technical in nature. All changes in both the explanatory note and the proposal are highlighted.

History

Under Article 24(7) of the Convention, the Western and Central Pacific Fisheries Commission (WCPFC) is to maintain a record, based on the information provided to by member flag States, of fishing vessels authorized to be used for fishing in the Convention Area beyond the respective areas of national jurisdiction of their flag States. The WCPFC has adopted conservation and management measures that further specify the procedures to be used in maintaining the WCPFC Record of Fishing Vessels (RFV).

Standards, Specifications and Procedures (SSPs) for the WCPFC Record of Fishing Vessels were first proposed in 2010, at TCC6 ([WCPFC-TCC6-2010-DP11](#)). After discussion of the proposal at TCC6, the United States agreed that it would serve as a focal point to continue development of the SSPs, with a view to presenting a proposal to TCC7. The United States also made available, as an information paper, a revised draft of the SSPs during WCPFC7 ([WCPFC7-2010-IP06](#)). In response to CCMs' comments on that draft, the United States made revisions and offered a new proposal to TCC7 ([WCPFC-TCC7-2011-DP09](#)). The TCC recommended that this proposal be adopted without change ([WCPFC8-2011-37](#)), but WCPFC8 declined to do so because of certain CCMs' reservations about there being requirements for minimum fields. The TCC discussed the topic again in 2012, and the United States offered to continue to lead intersessional consultations to revise the proposed SSPs.

In response to a draft proposed set of SSPs distributed to CCMs on July 22, 2013 (Circular 2013-57), the United States received comments from Chinese Taipei, the European Union, the Federated States of Micronesia, and the Pacific Islands Forum Fisheries Agency. This proposal includes several revisions based on those comments. The United States views some of the comments to be outside the scope of the SSPs but nonetheless pertinent to the RFV and how it is used. For the benefit of TCC9, all the comments from CCMs are summarized at the end of this note. Comments on the technical aspects of the proposal have been received from the WCPFC Secretariat, ~~but the United States has not had time to address those comments in the proposal.~~ The United States will attempt to do so in advance of TCC9 and addressed in this version of the proposal.

Objective of the proposal

The objective of this proposal is to ensure that the RFV is maintained in a manner that maximizes its utility as a management tool for the WCPFC and its CCMs. The SSPs proposed here are intended to ensure that the information in the WCPFC RFV is complete, up-to-date, accurate, unambiguous, and comparable across flag States, and to make the maintenance of the RFV as cost-effective as possible for CCMs and the Secretariat. The proposed SSPs establish a standardized structure and format for the RFV, specifications for certain of the required vessel information, procedures to be used by CCMs in submitting vessel information for the RFV, and procedures to be used by the WCPFC Secretariat in maintaining the RFV.

Outstanding issues

1. Minimum required fields

At the close of WCPFC8, the main outstanding issue was whether to specify certain “minimum required fields,” without which a vessel would not be included on the RFV. Some CCMs believed the specification of minimum required fields would place an unduly onerous burden on flag States. In contrast, other CCMs believed that all the fields specified in CMM 2009-01 are already required, so to make only some of them “minimum required fields” would weaken the incentive to provide all the required information, and compromise the utility of the RFV. This proposal for SSPs retains the concept of minimum required fields, for the reasons described below.

The RFV is not a “register;” that is, it is not a tool for granting fishing authorizations. Rather, it is a record that contains information about vessels authorized to fish by their respective flag States (and in some cases, by coastal States). In short, it was established as an information tool, not an authorization tool. It serves to make information about fishing vessels that are authorized to fish in areas beyond the jurisdiction of their flag States readily available to CCMs, the Secretariat, and the public. Thus, the SSPs should be developed with the goal of maximizing the RFV’s utility as an information tool.

The United States recognizes that the more information that is available for the vessels on the RFV, the more useful it will be. We also recognize that making placement on the RFV contingent on submission of every piece of required information would establish a strong incentive for flag States to submit all the required pieces of information for every vessel they authorize to fish. On the other hand, establishing such a condition would likely result in a substantial number of vessels that are in fact authorized to fish not being included on the RFV. Such an outcome would undermine the purpose of the RFV, which is to make information about authorized vessels readily available to all CCMs.

The United States believes that a reasonable balance can be found. Some pieces of information on the RFV are more useful than others, as described further below. If placement on the RFV is made contingent on submission of only the most useful pieces of information, the rate of successfully submitting all such information would hopefully be high enough that no active

vessels are “hidden” from the RFV. Although this might result in some pieces of information initially missing from the RFV, it would only be the less useful information. Furthermore, failure to provide the pieces of information that are not among the “minimum required fields” would still constitute non-compliance with the Convention and CMM 2009-01; the Commission can develop appropriate sanctions for such non-compliance as part of its compliance monitoring scheme.

The information included on the RFV can be grouped into two (perhaps overlapping) categories – information useful for enforcement and compliance-related purposes, and information useful for more general analytical purposes. The first category includes information needed to identify and communicate with the vessel and its owner and operator. Information in the second category has mostly to do with the characteristics of the vessel, its fishing gear, and its fish storage facilities. Although both types of information are useful, the United States believes that at this point the WCPFC should put higher priority on collecting information in the first category, and ensuring that it is available in near real time. That prioritization is also reflected in most of the comments from other CCMs received on previous versions of this proposal. Based in part on those comments, this proposal specifies that every field that appears important for enforcement and compliance-related purposes is a minimum required field.

No opposition to the proposed approach was expressed in response to the July 22, 2013, draft that was circulated intersessionally.

2. Specifications for batch uploading and web-based data entry

Attachments 3 and 4 of the proposed SSPs, which relate to methods for incorporating CCMs’ data into the Record, have been fully developed in this version, based on input from the Secretariat, need to be further developed. ~~The Secretariat has provided input needed to do so but it has not yet been incorporated. The United States will attempt to do so, in consultation with the Secretariat, in advance of TCC9.~~ Several comments were offered by CCMs on these aspects of the proposal, including a request that the WCPFC cooperate with the FFA in light of ongoing information management systems developments in FFA member countries and a recommendation that the means of data submission be based on the principles of efficiency and minimal administrative burden to CCMs.

3. Vessel photographs

At TCC8, it was commented that allowing vessel photographs to be as old as ten years was too lax. The proposal was subsequently revised to require that vessel photographs be no older than five years. In response, one CCM indicated that it would be problematic to meet the proposed photograph specifications for vessels that do not enter ports for months at a time. We have not been able to reconcile these two views completely, but as a compromise, this proposal includes a deferred implementation date – three years from the date of adoption – for the photo specifications only.

4. Chartered vessels

The proposed SSPs would specify how the information associated with chartered vessels, including the information called for under the charter notification scheme, CMM 2012-05, is to be treated in the RFV. The SSPs have been revised to more clearly distinguish between charters subject to CMM 2012-05 and charters of carriers and bunkers subject to paragraph 41 of CMM 2009-01. One CCM, as well as the Secretariat, commented that the procedures for including chartered vessels in the RFV might require further discussion.

Summary of comments on the July 22, 2013, draft proposal

1. In principle, we support the proposed document presented in Circular 2013/57 for it would ensure the information in the RFV being up-to-date, accurate and comparable across flag States. However, regarding the photo requirements of fishing vessels, in our standpoint, the scale of our fleet may possibly obstruct the efficiency of our implementation. Chinese Taipei owns a fleet of around 1,700 distant water fishing vessels. In practice, distant water fishing vessels usually spend months operating on deep seas and some of these vessels never return to Chinese Taipei. Such situation will obviously increase the difficulty in collecting the updated vessel photos. Frankly speaking, it is hard for us to fulfill the requirements of photograph no older than 5 years. In sum, we can support most parts of your proposal except for the photograph specifications.
2. The EU generally supports the concept of "minimum required fields" without which a vessel would not be included in the RFV. In addition:
 - a. To be useful, the WCPFC RFV should be capable of executing queries by Name of the fishing vessel, Flag, IMO, WIN or IRCS. This would be inserted in paragraph 1.
 - b. We would also advocate that fishing vessels listed in WCPFC IUU list or on the IUU list of any other RFMO, shall not be eligible to be listed in the WCPFC RFV for coherence with CMM 2009-01, para 1(f). Moreover, if a vessel becomes listed on the IUU list of the WCPFC or any other RFMO, it should automatically be withdrawn from the WCPFC RFV.
3. In general, FSM is ready to support the proposed RFV SSPs, with the following additional comments:
 - a. Agree that the RFV is a tool for information, not authorization, and support the SSPs as a tool for maximizing the RFV's utility
 - b. Agree that the RFV can provide information for both enforcement and compliance-related purposes and for general analytical purposes
 - c. On the specifications for batch uploading and web-based data entry, request WCPFC to work in close cooperation with FFA in light of ongoing IMS developments in FFA member countries
 - d. Support application of the SSPs to the RFV and implementation six months after WCPFC adoption

- e. The means for submission of data from the CCM to the RFV should be based on the principles of efficiency and minimal administrative burden to the CCM, i.e. if FSM stores its RFV data in the “cloud”, the WCPFC Secretariat should have the capability to extract relevant data automatically into their system
 - f. The addition of Chartering information on the RFV is specific to carriers and bunkers as per paragraph 41 of CMM 2009-01. The proposed SSPs also references paragraph 2 of CMM 2012-05 which relates to information CCMs must provide to the Executive Director in respect of vessels it charters. When a vessel is chartered, it typically does not change its flag and the placement of vessels on the RFV is a flag State responsibility. For example, if an FSM company charters a Japanese-flagged vessel, it would be the responsibility of Japan to place the vessel on the RFV along with the required information. FSM would only be responsible for notifying the ED under CMM 2012-05, but would not be able to alter Japan’s entry on the RFV. Nor would the FSM be able to enter a second (or duplicate) entry on the RFV in relation to the vessel being chartered. This perhaps requires further discussion on the practical implementation.
 - g. Consideration needs to be given to Article 30 and the special requirements of SIDS with respect to the need for additional resources and capacity assistance in meeting the additional burdens and requirements for the RFV, whether related to technological requirements or additional human resources.
4. Whilst I find the vast majority of the US letter to be heading in the right direction, I believe further work is required in the “name of fishing vessel” convention (specifically in Attachment 1). This was a particularly difficult area to work when comparing databases. Attempts to correlate/match vessels on the FFA Register of Good Standing with the WCPFC RFV are continually hampered by a lack of approved vessel naming format, including on the flag state registration papers. The number of variations possible from a vessel name (especially a two-part name) with a number is extensive and seemingly every variation is in use somewhere. Even within the WCPFC internal databases there are mismatches. I suggest a naming convention should be adopted to force flag states into abiding by a standard set of rules which should subsequently be adopted by the FFA. I see the US letter as a means of introducing this principal to CCMs, for further discussion at TCC.

Standards, Specifications and Procedures for the Western and Central Pacific Fisheries Commission Record of Fishing Vessels

Application

These SSPs shall apply to the record of fishing vessels established under Article 24(7) of the Convention and further specified in any conservation and management measures adopted in relation to such record.

These SSPs shall take effect six months after adoption by the WCPFC.

The WCPFC Record of Fishing Vessels

1. The WCPFC RFV shall consist of an electronic database that, at a minimum:
 - a. Is capable of depicting the current version of the RFV as a single table, in the structure and format shown in Attachment 1;
 - b. Is fully and readily searchable by public users, with the exception of any pieces of information deemed by the WCPFC to be non-public domain data and/or to be maintained only on the secure portion of the WCPFC web site;
 - c. Stores all historical data provided by CCMs and is capable of depicting the RFV as it was at any point in time in the past; and
 - d. Includes electronic versions of the photographs of the vessels on the RFV.

Responsibilities of CCMs

It shall be the responsibility of CCMs to:

2. Submit complete vessel record data to the WCPFC Secretariat that meet the structure and format specifications of Attachment 1, and submit vessel photographs that meet the specifications of Attachment 2; and
3. Submit vessel record data to the WCPFC Secretariat via one of the following modes:
 - a. Electronic transmission: Submittal via email or other electronic means of electronic data files that meet the electronic formatting specifications of Attachment 3; or
 - b. Manual transmission: Direct manual-RFV data entry via the web portal maintained by the WCPFC Secretariat for this purpose (Attachment 4).

Responsibilities of the WCPFC Secretariat

It shall be the responsibility of the WCPFC Secretariat to:

4. Maintain and utilize the RFV in a manner consistent with the Convention, the WCPFC's conservation and management measures, and the adopted standards, specifications and procedures relating to the RFV;
5. Provide a stable, reliable, fully maintained and supported RFV, including ensuring adequate redundancy and back-up systems to avoid data loss and provide timely data recovery;
6. Ensure that vessel data, once received from CCMs, are not altered, manipulated, or interfered with in any way, except as necessary to incorporate such data into the RFV in accordance with these SSPs;
7. Design and maintain the RFV so that it is capable of depicting the current RFV in the structure and format specified in Attachment 1;
8. Design and maintain the RFV so that numerical data can be displayed and downloaded using common units of measurement;
9. Ensure that the RFV is continuously publicly available via the WCPFC web site, with the exception of any pieces of information deemed by the WCPFC to be non-public domain data and/or to be maintained only on the secure portion of the WCPFC web site;
10. Develop and maintain the technical and administrative systems needed to receive vessel data from CCMs via any of the following modes:
 - a. Electronic transmission: Submittal via email or other electronic means of electronic data files that meet the electronic format specifications of Attachment 3;
 - b. Manual transmission: Direct manual data entry by a CCM via a web portal that meets the specifications of Attachment 4;
11. Within 24 hours of the next WCPFC official business day following receipt of vessel record data from a CCM, acknowledge receipt of the data and indicate to the CCM whether the data meet the minimum data requirements (i.e., they include data for all the fields with "√" in the "Min." column in Attachment 1) and structure and format specifications of Attachments 1 and 2 and, if applicable, whether they meet the electronic formatting specifications of Attachment 3;

12. Within ~~72-48~~ hours of the next WCPFC official business day following receipt from a CCM of vessel record data that meet the minimum data requirements (i.e., they include data for all the fields with “√” in the “Min.” column in Attachment 1) and structure and format specifications of Attachments 1 and 2, and, if applicable, the electronic formatting specifications of Attachment 3, incorporate such data into the RFV;¹
13. Provide for information on vessels’ “fished / did not fish” status for each year, as submitted by CCMs, to be integrated with the RFV insofar as being able to display, search, and analyze the information~~Annually, three weeks before the regular annual session of the Technical and Compliance Committee (TCC), change the entries in the field “Fishing activity in [year]” that is depicted in the single table version of the current record (see Attachment 1) to reflect fishing activity in the previous calendar year (e.g., change from Fishing activity in 2010 to Fishing activity in 2011); and~~
14. Monitor and report annually to the TCC the performance of the RFV and its application and, as necessary, make recommendations for improvements or modifications to the system, standards, specifications or procedures established to support it, in order to ensure the RFV continues to function as a stable, secure, reliable, cost-effective, efficient, fully maintained and supported system.

¹ Although vessels with only the minimum required data will be added to and maintained on the RFV, this does not relieve the responsible CCM of its obligations to provide all the data required under the WCPFC’s applicable conservation and management measures. The consequences of failing to provide such data will be specified outside of these SSPs, such as in the WCPFC’s compliance monitoring scheme.

Attachment 1. List of Fields in the WCPFC RFV and their Format and Content

| Min. ² | Field name | Field format | Field description/instructions | Example | Ref. in CMMs |
|-------------------|----------------------------|-------------------------|--|-------------------------|---|
| √ | <u>Submitted by CCM</u> | <u>Text</u> | <u>Country name – in two-letter ISO code format (ISO 3166; Attachment 7)</u> | <u>HR (for Croatia)</u> | <u>Implied in 2009-01: 5/6</u> |
| √ | <u>Data action code</u> | <u>Text</u> | <u>This field is not for inclusion in the RFV itself, but must be used by CCMs in their data submissions</u> <u>Enter “ADDITION” for vessels not currently on the RFV that are to be added to the RFV; enter “MODIFICATION” for vessels currently on the RFV the information for which is be modified; or enter “DELETION” for vessels currently on the RFV that are to be removed from the RFV</u> | <u>MODIFICATION</u> | <u>(Needed to instruct Secretariat/RFV of the changes to be made)</u> |
| √ | <u>VID</u> | <u>Number (integer)</u> | <u>This number, generated automatically by the RFV upon inclusion of a vessel, must be provided for vessels being deleted or modified; if the vessel is being added to the RFV (i.e., it is not currently on the RFV), enter “NONE”</u> | <u>10503</u> | <u>(Needed to match vessels)</u> |
| √ | Name of the fishing vessel | Text | Name of the fishing vessel as indicated on flag State registration | Sea Maple II | 2009-01: 6(a) |

² Fields marked “√” in this column together comprise the “minimum data requirements” for inclusion on the RFV, as described in paragraphs 11 and 12.

| Min. ² | Field name | Field format | Field description/instructions | Example | Ref. in CMMs |
|-------------------|-----------------------------------|--|--|---|-------------------------|
| √ | Flag of the fishing vessel | Text Enter the country name <u>exactly as written in two-letter ISO code format (ISO 3166; Attachment 7)</u> country list maintained by WCPFC Secretariat | Country name – <u>in two-letter ISO code format (ISO 3166; Attachment 7)</u> | <u>HR (for Croatia)</u> | Implied in 2009-01: 5/6 |
| √ | Registration number | Text | Alphanumeric registration identifier assigned by the flag State | XX123 | 2009-01: 6(a) |
| √ | WCPFC Identification Number (WIN) | Text | Vessel identifier assigned by flag State in accordance with CMM 2004-03 | ABC1234 | 2009-01: 6(a) |
| √ | Previous names (if known) | Text If multiple previous vessel names, separate entries with “;” | List of previous names of the vessel, if known by the CCM - If the CCM knows that the vessel has no previous names, enter “ <u>NONEnone</u> ” - If the CCM does not know if the vessel has any previous names, enter “ <u>none-knownNONE KNOWN</u> ” | Alpha Dragon Alpha Dragon; Sea Maple I | 2009-01: 6(a) |
| √ | Port of registry | Text | <u>Enter name of the city (port) of vessel registration</u> | Murmansk | 2009-01: 6(a) |
| √ | Name of the owner or owners | Text If multiple owners, separate entries with “;” If company, enter full name of the company | | Sea Maple LLC Doe, John; Gomez, Steven | 2009-01: 6(b) |

| Min. ² | Field name | Field format | Field description/instructions | Example | Ref. in CMMs |
|-------------------|--------------------------------|---|--|--|---------------|
| | | If personal name, enter last/family name, first/given name(s) (separated by a comma) | | | |
| √ | Address of the owner or owners | Text Separate components of each address with “;” If more than one address, separate addresses with “;” | | 1234 Ebony Ln, Honolulu, HI 12345, USA 1234 Ebony Ln, Honolulu, HI 12345, USA; 4321 Ynobe Rd, Honolulu, HI 54321, USA | 2009-01: 6(b) |
| √ | Name of the master | Text Enter last/family name, first/given name(s) (separated by a comma) If multiple masters, separate entries with “;” | | Doe, John Doe, John; Doe, Jill | 2009-01: 6(c) |
| | Nationality of the master | Text Enter the country name <u>exactly as written in two-letter ISO code format (ISO 3166; Attachment 7)</u> <u>country list maintained by WCPFC Secretariat</u> If multiple masters, separate entries with “;” | List the nationality of the master of the vessel | <u>HR (for Croatia)</u> <u>CroatiaHR; CroatiaHR</u> | 2009-01: 6(c) |
| √ | Previous flag (if any) | Text <u>Enter the country name in two-letter ISO code format (ISO 3166; Attachment 7)</u> | List previous flag(s) of the vessel, if any -If vessel has no previous flags, enter “ <u>noneNONE</u> ” | <u>NoneNONE</u> | 2009-01: 6(d) |

| Min. ² | Field name | Field format | Field description/instructions | Example | Ref. in CMMs |
|-------------------|---|---|---|---|---------------|
| | | If multiple previous flags, separate entries with “;” | | | |
| √ | International Radio Call Sign | Text Enter without any spaces or punctuation | - If the vessel has not been assigned an IRCS, enter “ none NONE” | ABC1234 | 2009-01: 6(e) |
| √ | Vessel communication types and numbers (Inmarsat A, B and C numbers and satellite telephone number) | Text Enter: communication type: x: number/address: x: service type: x. If multiple communication devices, separate entries with “;” | - Enter descriptions of each of any communication devices on board the vessel that use Inmarsat A, B or C or that have a satellite telephone number - If no such communication devices are on board, enter “ none NONE” | Voice Inmarsat mobile: 123456789: Inmarsat C: satellite telephone number: 123456789 | 2009-01: 6(f) |
| √ | Colour photograph of the vessel | Text Enter the name of the electronic data file, using the following format: [WIN]_[Vessel name]_[date of photograph: dd.mmm.yyyy].[extension] (jpg or tif) | File name of vessel photograph | XXX123_SEA MAPLE_01.Jul.2010.jpg | 2009-01: 6(g) |
| √ | Where the vessel was built | Text Enter the country name <u>exactly as written on list maintained by WCPFC Secretariat in two-letter ISO code format (ISO 3166; Attachment 7)</u> | Country where the vessel was built, as indicated on flag State registration or other appropriate documentation | <u>LT (for Lithuania)</u> | 2009-01: 6(h) |

| Min. ² | Field name | Field format | Field description/instructions | Example | Ref. in CMMs |
|-------------------|-----------------------------------|--|--|--------------------------|---------------|
| √ | When the vessel was built | Number <u>(four-digit integer)</u> | Year in which the vessel was built, as indicated on flag State registration or other appropriate documentation | 1994 | 2009-01: 6(h) |
| √ | Type of vessel | Text | - Enter the single most appropriate vessel type listed in the WCFPC List of Vessel Types (Attachment 5), exactly as written | Tuna longliner | 2009-01: 6(i) |
| | Normal crew complement | Number <u>(integer)</u> | The number of crew members normally on board the vessel, including officers | 6 | 2009-01: 6(j) |
| | Type of fishing method or methods | Text If multiple fishing methods, separate entries with “;” | The type(s) of fishing gear used by the vessel Enter all the fishing gears listed in the WCFPC List of Fishing Gears that are used, or intended to be used, to harvest HMS (Attachment 6), exactly as written, or if the vessel is not used to harvest fish, enter “not a fish harvester” | Longline | 2009-01: 6(k) |
| √ | Length | Number <u>(decimal)</u> | | 50 | 2009-01: 6(l) |
| √ | Type of length | Text | Description of type of length - If overall length, enter “overall” - If other type, enter the type | Overall Waterline | 2009-01: 6(1) |
| √ | Unit of length | Text | Enter “m” for meters or “ft” for feet | m | 2009-01: 6(1) |
| √ | Moulded depth | Number <u>(decimal)</u> | | 7 | 2009-01: 6(m) |
| √ | Unit of depth | Text | Enter “m” for meters or “ft” for feet | m | 2009-01: 6(m) |

| Min. ² | Field name | Field format | Field description/instructions | Example | Ref. in CMMs |
|-------------------|--|---|--|--|---------------|
| √ | Beam | Number (decimal) | | 7 | 2009-01: 6(n) |
| √ | Unit of beam | Text | Enter “m” for meters or “ft” for feet | m | |
| √ | Gross registered tonnage (GRT) or gross tonnage (GT) | Number (decimal) | | 138 | 2009-01: 6(o) |
| √ | Type of tonnage | Text | Enter “GRT” for gross registered tonnage or “GT” for gross tonnage | GT | 2009-01: 6(o) |
| | Power of main engine or engines | Number (decimal) | | 350 | 2009-01: 6(p) |
| | Unit of power of main engine or engines | Text | Enter “HP” for horsepower, “KW” for kilowatts, or “PS” for continental horsepower, also known as Pferdestärke | HP | 2009-01: 6(p) |
| | Freezer type(s) | Text If multiple freezer types, separate entries with “;” | The type(s) of devices used to freeze the catch on board the vessel Enter one or more of the following: Brine, Blast, Plate, Tunnel, RSW, Ice, Other: [specify type] | Brine Ice; Blast | 2009-01: 6(q) |
| | Freezing capacity | Text If multiple freezer types entered in Freezer type(s) field , separate corresponding multiple entries here with “;” and ensure that the entries are in | A measure of the capacity to freeze the catch, expressed in terms of the amount of fish frozen per unit time or the nominal freezing capacity of the freezer units If no freezing capacity, enter “0” | 100 2; 5 0 | 2009-01: 6(q) |

| Min. ² | Field name | Field format | Field description/instructions | Example | Ref. in CMMs |
|-------------------|-----------------------------|--|--|--|---------------|
| | | the same sequence as in the Freezer type(s) field | | | |
| | Units of freezing capacity | Text If multiple freezer types; entered in Freezer type(s) field , separate corresponding multiple entries here with “;” and ensure that the entries are in the same sequence as in the Freezer type(s) field | If no freezing capacity, enter “NA” | nominal mt mt/day; mt/day NA | 2009-01: 6(q) |
| | Number of freezer units | Text If multiple freezer types entered in Freezer type(s) field , separate corresponding multiple entries here with “;” and ensure that the entries are in the same sequence as in the Freezer type(s) field | The number of freezing units on board the vessel (e.g., the number of ice-making machines, brine chillers, or blast freezers) | 2 1; 2 0 | 2009-01: 6(q) |
| | Fish hold capacity | Number (decimal) | The total amount of fish capable of being stored on the vessel, excluding bait and fish kept for crew consumption, measured by either volume or weight | 100 | 2009-01: 6(q) |
| | Units of fish hold capacity | Text | Enter “CM” for cubic meters or “MT” for metric tonnes | CM | 2009-01: 6(q) |

| Min. ² | Field name | Field format | Field description/instructions | Example | Ref. in CMMs |
|-------------------|---|--------------|--|--------------------------|---------------|
| | Form of the authorization granted by the flag State | Text | <p>Enter the name or description of the license, permit or authorization, such as the name of the issuing authority</p> <p>Enter “not applicable” if the vessel is not authorized by its flag State to be used for fishing for HMS beyond areas of national jurisdiction (<u>i.e., not authorized to fish on the high seas</u>)</p> | High seas fishing permit | 2009-01: 6(r) |
| | Authorization number granted by the flag State | Text | <p>Enter the unique identifier assigned to the authorization, if any, and enter “noneNONE” if the authorization does not have a unique identifier</p> <p>Enter “not applicable” if the vessel is not authorized by its flag State to be used for fishing for HMS beyond areas of national jurisdiction</p> | XX123 | 2009-01: 6(r) |
| | Any specific areas in which authorized to fish | Text | <p>Enter a description of any specific areas in the WCPFC Area in which the authorization is limited</p> <p>Enter “No specific areas” if the authorization is not limited to any specific areas within the WCPFC Area</p> <p>Enter “not applicable” if the vessel is not authorized by its flag State to be used for fishing for HMS beyond areas of national jurisdiction</p> | No specific areas | 2009-01: 6(r) |

| Min.² | Field name | Field format | Field description/instructions | Example | Ref. in CMMs |
|-------------------------|---|---------------------|---|---|---------------------|
| | Any specific species for which authorized to fish | Text | <p>Enter a description of any specific HMS for which the authorization is limited</p> <p>Enter “No specific species” if the authorization is not limited to any specific HMS</p> <p>Enter “not applicable” if the vessel is not authorized by its flag State to be used for fishing for HMS beyond areas of national jurisdiction</p> | <p>No specific species</p> <p>All HMS except Pacific bluefin tuna</p> | 2009-01: 6(r) |
| | Start of period of validity of authorization | Date (dd-mm-yyyy) | Leave blank if the vessel is not authorized by its flag State to be used for fishing for HMS beyond areas of national jurisdiction | 01.Jul.2010 | 2009-01: 6(r) |
| | End of period of validity of authorization | Date (dd-mm-yyyy) | Leave blank if the vessel is not authorized by its flag State to be used for fishing for HMS beyond areas of national jurisdiction | 30.Jun.2011 | 2009-01: 6(r) |
| | Authorized to tranship on the high seas | Text | Enter “yes” if the responsible CCM has made an affirmative determination under para 37 of CMM 2009-06 and has authorized the vessel to be used for transhipping HMS on the high seas in the Convention Area, and the authorization is currently valid; otherwise, enter “no” | Yes | 2009-06: 34 |
| | Purse seine vessel authorized to tranship at sea | Text | Enter “yes” if the vessel is a purse seine vessel that has been granted an exemption by the WCPFC to engage in transhipping at sea in the WCPFC Area and has been authorized to do so by the responsible CCM, and the exemption and authorization are | No | 2009-06: 29-30 |

| Min. ² | Field name | Field format | Field description/instructions | Example | Ref. in CMMs |
|-------------------|---|-----------------|---|-------------------|---------------------------|
| | | | currently valid; enter “no” if the vessel is a purse seine vessel that has not been granted such exemption and authorization; or enter “not applicable” if the vessel is not a purse seine vessel | | |
| | Fishing activity in [year] | Text | To be incorporated into RFV by WCPFC Secretariat based on data provided annually by the responsible CCM (“fished” or “did not fish”) | Fished | 2009-01: 9, 12 |
| √ | Charter – CCM-flagged vessel | Text | Enter “charter”, “lease” or a descriptor of similar mechanism if paragraph 2 of CMM 2012-05 applies to the vessel; otherwise, enter “not applicable” Note: In the case of vessels to which paragraph 2 of CMM 2012-05 applies, the flag CCM is responsible for including the vessel on its record of fishing vessels and submitting the required information to the ED | Charter | 2012-05: 2 |
| √ | Charter – non-CCM-flagged carrier or bunker | Text | Enter “charter”, “lease” or a descriptor of similar mechanism if paragraph 41 of CMM 2009-01 (carrier or bunker flagged to non-CCM) applies to the vessel; otherwise, enter “not applicable” Note: In the case of vessels to which paragraph 41 of CMM 2009-01 applies (carriers and bunkers flagged to non-CCMs), the host CCM is responsible for | Charter | 2009-01: 41 |

| Min. ² | Field name | Field format | Field description/instructions | Example | Ref. in CMMs |
|-------------------|-----------------------|---|--|--|---------------------------|
| | | | including the vessel on its record of fishing vessels and submitting the required information to the ED | | |
| √ | Host CCM | Text | If the vessel is under charter, lease or a similar mechanism and paragraph 41 of CMM 2009-01 or paragraph 2 of CMM 2012-05 applies to it, enter the name of the chartering/host CCM; otherwise, enter “not applicable” | Austria | 2009-01: 41 2012-05: 2 |
| √ | Name of charterer | Text If multiple charterers, separate entries with “;” If company, enter full name of the company If personal name, enter last/family name, first/given name(s) (separated by a comma) | If vessel is under charter, lease or similar mechanism and paragraph 41 of CMM 2009-01 or paragraph 2 of CMM 2012-05 applies to it, enter the name of the charterer; otherwise, enter “not applicable” | Sea Maple LLC Doe, John; Gomez, Steven | 2009-01: 41 2012-05: 2 |
| √ | Address of charterer | Text Separate components of each address with “, ” If more than one address, separate addresses with “;” | If vessel is under charter, lease or similar mechanism and paragraph 41 of CMM 2009-01 or paragraph 2 of CMM 2012-05 applies to it, enter the <u>name-address</u> of the charterer; otherwise, enter “not applicable” | 1234 Ebony Ln, Honolulu, HI 12345, USA 1234 Ebony Ln, Honolulu, HI 12345, USA; 4321 Ynobe Rd, Honolulu, HI 54321, USA | 2009-01: 41 2012-05: 2 |
| | Start date of charter | Date (dd- <u>mm</u> - <u>yyyy</u>) | If vessel is under charter, lease or similar mechanism and paragraph 41 of CMM 2009-01 or paragraph 2 of CMM 2012-05 applies to it, insert the start date of the charter, | 30.Jun.2011 | 2009-01: 41 2012-05: 2 |

| Min. ² | Field name | Field format | Field description/instructions | Example | Ref. in CMMs |
|-------------------|----------------------------|-------------------|---|--|---------------------------|
| | | | lease or other mechanism; otherwise, leave blank | | |
| | Expiration date of charter | Date (dd-mm-yyyy) | If vessel is under charter, lease or similar mechanism and paragraph 41 of CMM 2009-01 or paragraph 2 of CMM 2012-05 applies to it, insert the date of expiration of the charter, lease or other mechanism; otherwise, leave blank | 30.Jun.2016 | 2009-01: 41 2012-05: 2 |
| | <u>Reason for deletion</u> | <u>Text</u> | <p><u>This field need not be included in the single-table depiction of the RFV, but must be used by CCMs in their data submissions</u></p> <p><u>Enter one of the following:</u> <u>“Voluntary relinquishment or non-renewal”,</u> <u>“Withdrawal”,</u> <u>“No longer entitled to fly flag”,</u> <u>“Scrapping, decommissioning or loss”,</u> <u>“Other: [specify reason]”, or</u> <u>“Not applicable” (if the vessel is not being deleted)</u></p> | <u>Voluntary relinquishment or non-renewal</u> | <u>2009-01: 7(c)</u> |

Attachment 2. Vessel Photograph Specifications

The photographs submitted to the WCFPC Secretariat for vessels on the RFV must meet all the specifications listed below. If the appearance of the vessel materially changes after a submission of a photograph (including, but not limited to, the vessel is painted another color, the vessel is renamed, or the vessel undergoes a structural modification) or if the photograph becomes more than five years old, a new photograph must be submitted.

The photograph must:³

1. be in full color
2. show the vessel in its current form and appearance
3. show a stem-to-stern side view of the vessel
4. clearly and legibly display the vessel name and WIN
5. be no older than five years
6. be in the form of a single electronic file with the following attributes:
 - a. in jpg or tiff file format;
 - b. a resolution of at least 150 pixels per inch at a size of 6 by 8 inches;
 - c. a size no greater than 2-500 megakilobytes (MkB); and
 - d. named using the following naming convention: [WIN]_[vessel name]_[date of photograph (dd.mmm.yyyy)].jpg/tif (e.g., XXX123_SEA MAPLE_01.Jul.2010.jpg).

Attachment 3. Electronic Formatting Specifications

These specifications describe the electronic files that CCMs must provide if they choose to submit information via the electronic transmission mode (paragraph 3.a).

A) File type

The information must be provided in one of the following formats:

- Microsoft Excel file, or
- Microsoft Access database file

B) File name

The name of the file must be: XX RFV UPDATES DDMMYYYY.ssss

where:

- XX – two letter ISO country code (Attachment 7) of the CCM providing the file
- DDMMYYYY – the date of the provision of the file
- sssss – the standard file suffix (xls or xlsx if Excel file; mdb or accdb if Access file)

³ These photograph specifications, with the exception of items 1 and 6.d, do not have to be met until 1 January 2017.

For example:

AU_RFV_UPDATES_11082013.xlsx (Excel file provided by Australia, on 11 August 2013)

C) File content

The RFV update file must contain only the vessels to be added to or deleted from the RFV, or whose details are being updated (i.e., the file must not include vessels for which no changes are being made). The type of change required for a particular vessel must be indicated by the “Data Action Code” (text) field, which must consist of one of the following values: “ADDITION” (for a vessel not currently on the RFV, to be added to the RFV), “MODIFICATION” (for a vessel currently on the RFV and to remain on the RFV), or “DELETION” (for a vessel to be removed from the RFV). For a modification, all the fields for the vessel must be completed in the record so that the fields to be updated can be clearly identified. For a deletion, at a minimum, the following fields must be completed in the record: VID, name of the fishing vessel, flag of the fishing vessel, registration number, WCPFC Identification Number, and reason for deletion.

D) File structure

Each record in the electronic file represents a single vessel. Each record must have the structure specified in Attachment 1, including the same sequence of fields.

Sample MS Excel and MS Access files with the proper formats are available from the Secretariat. This section will be developed with the WCPFC Secretariat.

Attachment 4. Web Portal Specifications

These specifications provides details on the web portal interface that the WCPFC Secretariat will maintain to support CCMs’ submission of information via the manual transmission mode (paragraph 3.b).

The WCPFC Secretariat will provide a web portal interface for authorised RFV personnel of CCMs to directly enter and provide updates to RFV data for their vessels, and where applicable chartered vessels. Access to the web portal will be secure, and will require authorised RFV personnel to log in using a CCM-specific user name and password.

The web portal will be hosted on: <https://intra.wcpfc.int/Lists/Vessels/Stats.aspx>

This web portal will be designed to meet the standards and specifications of Attachment 1 and the SSPs, and where data relate to a specific list of alternative categories that is determined by the WCPFC Secretariat, this will be provided where possible as a drop-down menu option. In other instances, the option of numerical entries or text entries will be possible. There will be a capability for photos to be uploaded and updated.

After submission of a change or entry to the RFV via the web portal, each change or entry will be checked by the WCFPC Secretariat for consistency with the SSPs before being incorporated into the RFV. The CCM user will be promptly notified as to whether a given entry or change was incorporated into the RFV, and if not, the nature of the problem.
~~This section will be developed with the WCFPC Secretariat.~~

Attachment 5. WCFPC List of Vessel Types (based on the FAO ISSCFV)

Vessel Types

Trawlers
Side trawlers
Side trawlers wet-fish
Side trawlers freezer
Stern trawlers
Stern trawlers wet-fish
Stern trawlers factory
Outrigger trawlers
Trawler nei
Seiners
Purse seiners
North American type
European type
Tuna purse seiners
Seiner netters
Seiner nei
Dredgers
Using boat dredge
Using mechanical dredge
Dredgers nei
Lift netters
Using boat operated net
Lift netters net
Gillnetters
Trap setters
Pot vessels
Trap setters nei
Liners
Handliners
Longliners
Tuna longliners
Pole and line vessels
Japanese type
American type
Trollers
Liners nei

Squid jigging line vessel
Vessels using pumps for fishing
Multipurpose vessels
Seiner-handliners
Trawler-purse seiners
Trawler-drifters
Multipurpose vessels nei
Recreational fishing vessels
Fishing vessels not specified
Motherships
Salted-fish Motherships
Factory Motherships
Tuna Motherships
Motherships for two-boat purse seining
Motherships nei
Factory longliner
Freezer longliner
Fish carriers
Hospital ships
Protection and survey vessels
Fishery research vessels
Fishery training vessels
Non-fishing vessels nei
Bunker vessels

Attachment 6. WCPFC List of Fishing Gears (based on the FAO ISSCFG)

Fishing Gears

With purse lines (purse seine)
- one boat operated purse seines
- two boat operated purse seines
Without purse lines (lampara)

Beach seines
Boat or vessel seines
- Danish seines
- Scottish seines
- Pair seines
Seine nets (not specified)

Portable lift nets
Boat-operated lift nets
Shore-operated stationary lift nets
Lift nets (not specified)

Set gillnets (anchored)
Driftnets

Encircling gillnets
 Fixed gillnets (on stakes)
 Trammel nets
 Combined gillnets-trammel nets
 Gillnets and entangling nets (not specified)
 Gillnets (not specified)

 Handlines and pole-lines (hand operated)
 Handlines and pole-lines (mechanized)
 Set longlines
 Drifting longlines
 Longlines (not specified)
 Trolling lines
 Hooks and lines (not specified)

 Harpoons

 Miscellaneous gear

 Recreational fishing gear

Attachment 7. Country Codes (ISO 3166)

| <u>Country Name</u> | <u>Code</u> |
|----------------------------|-------------|
| <u>Afghanistan</u> | <u>AF</u> |
| <u>Albania</u> | <u>AL</u> |
| <u>Algeria</u> | <u>DZ</u> |
| <u>American Samoa</u> | <u>AS</u> |
| <u>Andorra</u> | <u>AD</u> |
| <u>Angola</u> | <u>AO</u> |
| <u>Anguilla</u> | <u>AI</u> |
| <u>Antarctica</u> | <u>AQ</u> |
| <u>Antigua and Barbuda</u> | <u>AG</u> |
| <u>Argentina</u> | <u>AR</u> |
| <u>Armenia</u> | <u>AM</u> |
| <u>Aruba</u> | <u>AW</u> |
| <u>Australia</u> | <u>AU</u> |
| <u>Austria</u> | <u>AT</u> |
| <u>Azerbaijan</u> | <u>AZ</u> |
| <u>Bahamas</u> | <u>BS</u> |
| <u>Bahrain</u> | <u>BH</u> |
| <u>Bangladesh</u> | <u>BD</u> |
| <u>Barbados</u> | <u>BB</u> |
| <u>Belarus</u> | <u>BY</u> |
| <u>Belgium</u> | <u>BE</u> |

| <u>Country Name</u> | <u>Code</u> |
|---------------------------------------|-------------|
| <u>Belize</u> | <u>BZ</u> |
| <u>Benin</u> | <u>BJ</u> |
| <u>Bermuda</u> | <u>BM</u> |
| <u>Bhutan</u> | <u>BT</u> |
| <u>Bolivia</u> | <u>BO</u> |
| <u>Bosnia and Herzegovina</u> | <u>BA</u> |
| <u>Botswana</u> | <u>BW</u> |
| <u>Bouvet Island</u> | <u>BV</u> |
| <u>Brazil</u> | <u>BR</u> |
| <u>British Indian Ocean Territory</u> | <u>IO</u> |
| <u>Brunei Darussalam</u> | <u>BN</u> |
| <u>Bulgaria</u> | <u>BG</u> |
| <u>Burkina Faso</u> | <u>BF</u> |
| <u>Burundi</u> | <u>BI</u> |
| <u>Cambodia</u> | <u>KH</u> |
| <u>Cameroon</u> | <u>CM</u> |
| <u>Canada</u> | <u>CA</u> |
| <u>Cape Verde</u> | <u>CV</u> |
| <u>Cayman Islands</u> | <u>KY</u> |
| <u>Central African Republic</u> | <u>CF</u> |
| <u>Chad</u> | <u>TD</u> |

| | |
|---|---------------------------|
| <u>Chile</u> | <u>CL</u> |
| <u>China</u> | <u>CN</u> |
| <u>Chinese Taipei</u> | <u>TW</u> |
| <u>Christmas Island</u> | <u>CX</u> |
| <u>Cocos (Keeling) Islands</u> | <u>CC</u> |
| <u>Colombia</u> | <u>CO</u> |
| <u>Commonwealth of the Northern Mariana Islands</u> | <u>MP</u> |
| <u>Comoros</u> | <u>KM</u> |
| <u>Congo</u> | <u>CG</u> |
| <u>Congo, The Democratic Republic of the</u> | <u>CD</u> |
| <u>Cook Islands</u> | <u>CK</u> |
| <u>Costa Rica</u> | <u>CR</u> |
| <u>Cote D'ivoire</u> | <u>CI</u> |
| <u>Croatia</u> | <u>HR</u> |
| <u>Cuba</u> | <u>CU</u> |
| <u>Cyprus</u> | <u>CY</u> |
| <u>Czech Republic</u> | <u>CZ</u> |
| <u>Denmark</u> | <u>DK</u> |
| <u>Djibouti</u> | <u>DJ</u> |
| <u>Dominica</u> | <u>DM</u> |
| <u>Dominican Republic</u> | <u>DO</u> |
| <u>East Timor</u> | <u>TP</u> |
| <u>Ecuador</u> | <u>EC</u> |
| <u>Egypt</u> | <u>EG</u> |
| <u>El Salvador</u> | <u>SV</u> |
| <u>Equatorial Guinea</u> | <u>GQ</u> |
| <u>Eritrea</u> | <u>ER</u> |
| <u>Estonia</u> | <u>EE</u> |
| <u>Ethiopia</u> | <u>ET</u> |
| <u>European Union</u> | <u>EU</u> |
| <u>Falkland Islands (Malvinas)</u> | <u>FK</u> |
| <u>Faroe Islands</u> | <u>FO</u> |
| <u>Federated States of Micronesia</u> | <u>FM</u> |
| <u>Fiji</u> | <u>FJ</u> |
| <u>Finland</u> | <u>FI</u> |
| <u>France</u> | <u>FR</u> |
| <u>French Guiana</u> | <u>GF</u> |
| <u>French Polynesia</u> | <u>PF</u> |
| <u>French Southern Territories</u> | <u>TF</u> |
| <u>Gabon</u> | <u>GA</u> |
| <u>Gambia</u> | <u>GM</u> |

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|---|---------------------------|
| <u>Georgia</u> | <u>GE</u> |
| <u>Germany</u> | <u>DE</u> |
| <u>Ghana</u> | <u>GH</u> |
| <u>Gibraltar</u> | <u>GI</u> |
| <u>Greece</u> | <u>GR</u> |
| <u>Greenland</u> | <u>GL</u> |
| <u>Grenada</u> | <u>GD</u> |
| <u>Guadeloupe</u> | <u>GP</u> |
| <u>Guam</u> | <u>GU</u> |
| <u>Guatemala</u> | <u>GT</u> |
| <u>Guinea</u> | <u>GN</u> |
| <u>Guinea-Bissau</u> | <u>GW</u> |
| <u>Guyana</u> | <u>GY</u> |
| <u>Haiti</u> | <u>HT</u> |
| <u>Heard and Mc Donald Islands</u> | <u>HM</u> |
| <u>Honduras</u> | <u>HN</u> |
| <u>Hong Kong</u> | <u>HK</u> |
| <u>Hungary</u> | <u>HU</u> |
| <u>Iceland</u> | <u>IS</u> |
| <u>India</u> | <u>IN</u> |
| <u>Indonesia</u> | <u>ID</u> |
| <u>Iran (Islamic Republic of)</u> | <u>IR</u> |
| <u>Iraq</u> | <u>IQ</u> |
| <u>Ireland</u> | <u>IE</u> |
| <u>Israel</u> | <u>IL</u> |
| <u>Italy</u> | <u>IT</u> |
| <u>Jamaica</u> | <u>JM</u> |
| <u>Japan</u> | <u>JP</u> |
| <u>Jordan</u> | <u>JO</u> |
| <u>Kazakhstan</u> | <u>KZ</u> |
| <u>Kenya</u> | <u>KE</u> |
| <u>Kiribati</u> | <u>KI</u> |
| <u>Korea (Democratic Republic of)</u> | <u>KP</u> |
| <u>Korea (Republic of)</u> | <u>KR</u> |
| <u>Kuwait</u> | <u>KW</u> |
| <u>Kyrgyzstan</u> | <u>KG</u> |
| <u>Lao People's Democratic Republic</u> | <u>LA</u> |
| <u>Latvia</u> | <u>LV</u> |
| <u>Lebanon</u> | <u>LB</u> |
| <u>Lesotho</u> | <u>LS</u> |
| <u>Liberia</u> | <u>LR</u> |

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|--|---------------------------|
| <u>Libyan Arab Jamahiriya</u> | <u>LY</u> |
| <u>Liechtenstein</u> | <u>LI</u> |
| <u>Lithuania</u> | <u>LT</u> |
| <u>Luxembourg</u> | <u>LU</u> |
| <u>Macau</u> | <u>MO</u> |
| <u>Macedonia (the Former Yugoslav Republic of)</u> | <u>MK</u> |
| <u>Madagascar</u> | <u>MG</u> |
| <u>Malawi</u> | <u>MW</u> |
| <u>Malaysia</u> | <u>MY</u> |
| <u>Maldives</u> | <u>MV</u> |
| <u>Mali</u> | <u>ML</u> |
| <u>Malta</u> | <u>MT</u> |
| <u>Marshall Islands</u> | <u>MH</u> |
| <u>Martinique</u> | <u>MQ</u> |
| <u>Mauritania</u> | <u>MR</u> |
| <u>Mauritius</u> | <u>MU</u> |
| <u>Mayotte</u> | <u>YT</u> |
| <u>Mexico</u> | <u>MX</u> |
| <u>Moldova (Republic of)</u> | <u>MD</u> |
| <u>Monaco</u> | <u>MC</u> |
| <u>Mongolia</u> | <u>MN</u> |
| <u>Montserrat</u> | <u>MS</u> |
| <u>Morocco</u> | <u>MA</u> |
| <u>Mozambique</u> | <u>MZ</u> |
| <u>Myanmar</u> | <u>MM</u> |
| <u>Namibia</u> | <u>NA</u> |
| <u>Nauru</u> | <u>NR</u> |
| <u>Nepal</u> | <u>NP</u> |
| <u>Netherlands</u> | <u>NL</u> |
| <u>Netherlands Antilles</u> | <u>AN</u> |
| <u>New Caledonia</u> | <u>NC</u> |
| <u>New Zealand</u> | <u>NZ</u> |
| <u>Nicaragua</u> | <u>NI</u> |
| <u>Niger</u> | <u>NE</u> |
| <u>Nigeria</u> | <u>NG</u> |
| <u>Niue</u> | <u>NU</u> |
| <u>Norfolk Island</u> | <u>NF</u> |
| <u>Norway</u> | <u>NO</u> |
| <u>Oman</u> | <u>OM</u> |
| <u>Pakistan</u> | <u>PK</u> |
| <u>Palau</u> | <u>PW</u> |

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|---|---------------------------|
| <u>Panama</u> | <u>PA</u> |
| <u>Papua New Guinea</u> | <u>PG</u> |
| <u>Paraguay</u> | <u>PY</u> |
| <u>Peru</u> | <u>PE</u> |
| <u>Philippines</u> | <u>PH</u> |
| <u>Pitcairn</u> | <u>PN</u> |
| <u>Poland</u> | <u>PL</u> |
| <u>Portugal</u> | <u>PT</u> |
| <u>Puerto Rico</u> | <u>PR</u> |
| <u>Qatar</u> | <u>QA</u> |
| <u>Reunion</u> | <u>RE</u> |
| <u>Romania</u> | <u>RO</u> |
| <u>Russian Federation</u> | <u>RU</u> |
| <u>Rwanda</u> | <u>RW</u> |
| <u>Saint Kitts And Nevis</u> | <u>KN</u> |
| <u>Saint Lucia</u> | <u>LC</u> |
| <u>Saint Vincent and the Grenadines</u> | <u>VC</u> |
| <u>Samoa</u> | <u>WS</u> |
| <u>San Marino</u> | <u>SM</u> |
| <u>Sao Tome and Principe</u> | <u>ST</u> |
| <u>Saudi Arabia</u> | <u>SA</u> |
| <u>Senegal</u> | <u>SN</u> |
| <u>Serbia</u> | <u>RS</u> |
| <u>Seychelles</u> | <u>SC</u> |
| <u>Sierra Leone</u> | <u>SL</u> |
| <u>Singapore</u> | <u>SG</u> |
| <u>Slovakia (Slovak Republic)</u> | <u>SK</u> |
| <u>Slovenia</u> | <u>SI</u> |
| <u>Solomon Islands</u> | <u>SB</u> |
| <u>Somalia</u> | <u>SO</u> |
| <u>South Africa</u> | <u>ZA</u> |
| <u>South Georgia and the South Sandwich Islands</u> | <u>GS</u> |
| <u>Spain</u> | <u>ES</u> |
| <u>Sri Lanka</u> | <u>LK</u> |
| <u>St. Helena</u> | <u>SH</u> |
| <u>St. Pierre and Miquelon</u> | <u>PM</u> |
| <u>Sudan</u> | <u>SD</u> |
| <u>Suriname</u> | <u>SR</u> |
| <u>Svalbard and Jan Mayen Islands</u> | <u>SJ</u> |
| <u>Swaziland</u> | <u>SZ</u> |
| <u>Sweden</u> | <u>SE</u> |

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|---|---------------------------|
| <u>Switzerland</u> | <u>CH</u> |
| <u>Syrian Arab Republic</u> | <u>SY</u> |
| <u>Tajikistan</u> | <u>TJ</u> |
| <u>Tanzania (United Republic of)</u> | <u>TZ</u> |
| <u>Thailand</u> | <u>TH</u> |
| <u>Timor-Leste</u> | <u>TL</u> |
| <u>Togo</u> | <u>TG</u> |
| <u>Tokelau</u> | <u>TK</u> |
| <u>Tonga</u> | <u>TO</u> |
| <u>Trinidad and Tobago</u> | <u>TT</u> |
| <u>Tunisia</u> | <u>TN</u> |
| <u>Turkey</u> | <u>TR</u> |
| <u>Turkmenistan</u> | <u>TM</u> |
| <u>Turks and Caicos Islands</u> | <u>TC</u> |
| <u>Tuvalu</u> | <u>TV</u> |
| <u>Uganda</u> | <u>UG</u> |
| <u>Ukraine</u> | <u>UA</u> |
| <u>United Arab Emirates</u> | <u>AE</u> |
| <u>United Kingdom</u> | <u>GB</u> |
| <u>United States Minor Outlying Islands</u> | <u>UM</u> |
| <u>United States of America</u> | <u>US</u> |
| <u>Uruguay</u> | <u>UY</u> |
| <u>Uzbekistan</u> | <u>UZ</u> |
| <u>Vanuatu</u> | <u>VU</u> |
| <u>Vatican City State (Holy See)</u> | <u>VA</u> |
| <u>Venezuela</u> | <u>VE</u> |
| <u>Vietnam</u> | <u>VN</u> |
| <u>Virgin Islands (British)</u> | <u>VG</u> |
| <u>Virgin Islands (U.S.)</u> | <u>VI</u> |
| <u>Wallis and Futuna</u> | <u>WF</u> |
| <u>Western Sahara</u> | <u>EH</u> |
| <u>Yemen</u> | <u>YE</u> |
| <u>Zaire</u> | <u>ZR</u> |
| <u>Zambia</u> | <u>ZM</u> |
| <u>Zimbabwe</u> | <u>ZW</u> |