

North Pacific Fisheries Commission
1st Meeting of the Technical and Compliance Committee

22-23 August 2016

Tokyo, Japan

REPORT

Agenda Item 1. Opening of Meeting

1. The 1st meeting of the Technical and Compliance Committee (TCC) took place in Tokyo, Japan during 22nd and 23rd August 2016, and was attended by Members from Canada, China, Japan, the Republic of Korea, the Russian Federation, Chinese Taipei, United States of America, Vanuatu, and NPAFC attended as observers.

Agenda Item 2. Election of Chair, Vice Chair, and Rapporteur

2. The Interim Chair proceeded with the selection of the Chair, Vice Chair, and Rapporteur. Mr. Robert Day (Canada) was elected to Chair TCC, and Mr. Jeongseok Park (Republic of Korea) was elected as the Vice Chair unanimously. Mr. Alexander Meyer was selected as Rapporteur.

Agenda Item 3. Admission of Observers

3. The Chair listed approved observers present, namely the United States, Vanuatu, and NPAFC. The Chair also noted that DSCC had registered as an observer but was not present, and that Ukraine was invited to attend as an observer but was not present. The observers were admitted without objection.

Agenda Item 4. Adoption of Agenda

4. A presentation by Japan on Vessels Sighted in the Convention Area by Japan's Fisheries Enforcement Vessels (paper NPFC-2016-TCC01-IP05) was added under agenda item 5.1 (Overview of North Pacific Fisheries).
5. Presentations by Canada on TCC Terms of Reference and TCC framework (papers NPFC-2016-TCC01-WP02 and NPFC-2016-TCC01-WP03, respectively), were added under agenda item 8 (Ongoing MCS Issues).

6. Information from Russia on fishing vessels sighted by Russia was added under agenda item 5.1 (Overview of North Pacific Fisheries).
7. The revised agenda was adopted.

Agenda Item 5. Progress Report from the Secretariat

5.1 Overview of North Pacific Fisheries.

8. The Secretariat presented an overview of key North Pacific Fisheries, namely, bottom fisheries, squid fisheries, Pacific saury fisheries, and mackerel fisheries, referring to paper NPFC-2016-TCC01-IP03 Overview of Fisheries 2015. The Secretariat also provided considerations for a monitoring, control and surveillance work plan for the NPFC.
9. Japan presented on Vessels Sighted in the Convention Area by Japan's Fisheries Enforcement Vessels, referring to paper NPFC-2016-TCC01-IP05. Japan expressed its concern that almost 200 foreign vessels were sighted just outside of Japan's EEZ and its adverse impact to chub mackerel stock. It further expressed that this rapid increase of the vessels was in contradiction of Article 3h of the NPFC Convention. Russia also expressed its concern with respect to the high concentration of fishing vessels close to the Russian EEZ. The ensuing discussion focused on addressing fishing vessels with falsified or concealed names, and the idea of introducing gear restrictions, such as banning the use of tiger nets in the NPFC Convention Area.
10. Russia informed on fishing activities by vessels sighted by Russia. Following this, the Members discussed establishing a mechanism for sharing information about IUU fishing.
11. The Member concerned in the reports welcomed receipt of the information, and informed Members that an investigation had been taken and clarified the incidents accordingly, pursuant to relevant provisions of the NPFC Convention.

Agenda Item 6. Review of MCS related issues from the Scientific Committee (SC)

12. The Secretariat summarized the MCS related issues arising from SC. The main issue to arise was a proposed CMM on bottom fisheries. It was proposed that more

detailed discussion on this matter would be held under agenda item 9.2 (CMM Bottom Fisheries – SC Corresponding Group).

Agenda Item 7. Review of Current MCS-related CMMs

7.1 CMM 15-01 – Vessel Registry

13. The Secretariat presented an update on NPFC Authorized Fishing Vessel Registration, and noted that in the future, Members would be responsible for updating their own vessel registry information. The Secretariat also noted the possibility of amending the NPFC Authorized Fishing Vessel Registration scheme to include the International Maritime Organization (IMO) vessel number as a mandatory data requirement to enable it to merge with the FAO Global Record of Fishing Vessels and other global schemes, as well as to include non-Member carrier vessels under the NPFC scheme. Discussions referred to papers NPFC-2016-TCC01-IP01 from the Secretariat and NPFC-2016-TCC01-WP07 from Chinese Taipei.
14. Japan informed the meeting that almost all of its registered vessels are very small, coastal vessels, which can spontaneously appear in the Convention Area, depending upon the fishery conditions, but normally fish inside their EEZ, and stressed the necessity to take into account this fishing characteristic (vessel size / fishing pattern) when considering the development of new CMMs.
15. A revised CMM was developed under agenda item 9.4.

7.2 CMM 15-02 – Pacific saury

16. The Committee discussed the CMM on Pacific saury. Japan expressed its concern that the number of vessels registered to the NPFC vessel registry was still increasing and requested Members to stop their authorization. The discussion focused on the need to clarify how to interpret and implement the CMM while the stock assessment was being undertaken pursuant to Article 3h of the Convention, and the use of VMS on each vessel.
17. It was recommended that each Member provide a report on how it implements this CMM within its annual report by the end of February every year.

Agenda Item 8. Ongoing MCS Issues

18. The Secretariat provided an overview of ongoing MCS issues, paper NPFC-2016-TCC01-IP04 MCS Requirements of the Convention, highlighting the need to assess the MCS tools specified by the Convention, to further assess MCS tools available for effective monitoring of fishing operations in the Convention Area, and to seek priorities and time lines for implementation.

19. The Committee discussed areas of priority, highlighting methods for Members to review their compliance with CMMs, and IUU-related measures and recognized that the previous presentations set the stage for developing the compliance framework and work plan to input into the Commission work plan.

8.1 Transshipment

20. There was discussion on the paper submitted by the Chair (initially prepared by the United States [NPFC-2016-TCC01-WP04]) on Interim Transshipment Procedures for the NPFC. Based on this discussion the Committee recommended that the Commission adopt the interim procedures, pursuant to the addition of a contact list to be provided by the Secretariat on its website for use by all Members and the Non-Member carriers to allow them to submit the relevant information to the flag Member.

8.2 High Seas Boarding and Inspection Procedures

21. There was discussion on the paper submitted by the Chair prepared by the United States (NPFC-2016-TCC01-WP05) on High Seas Boarding and Inspection Procedures. Significant progress was made but the Committee noted that further direction would be required from the Commission to finalize this proposal, recognizing two key points:
 - a. Some Commission Members voiced the opinion that there were fundamental issues that would prevent early adoption of this CMM; and
 - b. Recognition that if the Commission did not develop its own CMM for high seas boarding and inspection (HSBI) within three years that Articles 21 and 22 of the UNFSA would automatically apply and become effective as the HSBI CMM for NPFC.

8.3 Interim and Voluntary Measures for Bottom Fisheries – Annual Reports

22. Discussion was deferred to agenda item 9.

8.4 Other MCS Issues

23. The Secretariat list of MCS requirements outlined in the Convention was noted as extensive and requiring further discussion. The Commission was asked to consider providing direction to TCC on priority areas to consider.
24. The Committee discussed a paper submitted by Canada (NPFC-2016-TCC01-WP02) on TCC Terms of Reference. Based on this discussion the Committee recommended that the Commission adopt the TCC Terms of Reference, while also requesting the guidance of the Commission on the outstanding matter of the process for the selection of the Chair and Vice-Chair.
25. The Committee discussed a paper submitted by Canada (NPFC-2016-TCC01-WP03) on a TCC Framework. Based on this discussion the Committee recommended that the Commission consider adoption of the TCC Framework which would be used to help coordinate the work of TCC, under the direction of the Commission.

Agenda Item 9. Review of new MCS-related CMMs

9.1 CMM IUU Fishing – Japan

26. The Committee discussed a proposal submitted by Japan (NPFC-2016-TCC01-WP01) on a CMM to Establish a List of Vessels Presumed to Have Carried out IUU Fishing Activities in the Convention Area of the NPFC. Members identified the importance of addressing IUU issues through the Commission. Based on this discussion, the Committee recommended that the Commission adopt the CMM, pursuant to the review of the use of the term “Flag State” throughout and report to the 2016 Annual Meeting of the Commission.

9.2 CMM Bottom Fisheries & CMM VMEs – SC Corresponding Group

27. The Committee discussed a paper prepared by the SC Corresponding Group (NPFC-2016-TCC01-WP08) on a CMM for Bottom Fisheries and Protection of VMEs in the Western and Eastern Part of the Convention Area based on the interim measures. Based on this discussion the Committee recommended that the Commission consider adoption of the CMMs on Bottom Fisheries and on VME Protection.

9.3 CMM Vessels without Nationality – Korea

28. The Committee discussed a proposal submitted by Korea (NPFC-2016-TCC01-WP06) to consider a CMM on Vessels without Nationality. Based on this discussion the Committee recommended that the Commission consider adoption of the CMM.

9.4 CMM Proposal to amend CMM 15-01 Vessel Registry – Chinese Taipei

29. The Committee discussed a proposal submitted by Chinese Taipei (NPFC-2016-TCC01-WP07(Rev2)) to create a new CMM including an interim mechanism to allow Members or Cooperating non-Contracting Parties to submit a list of carrier vessels of non-Members which are allowed to conduct transshipments with fishing vessels of Members or Cooperating non-Contracting Parties. Based on this discussion the Committee recommended that the Commission consider adoption of the CMM.

Agenda Item 10. Liaison Regional Fisheries Bodies

30. The Secretariat gave a presentation on plans for creating a list of RFOs/RFMOs with which to establish liaison, and to initiate discussions on the types of liaison that would be appropriate. In the ensuing discussion, it was noted that given the recent establishment of the NPFC, for the time being, priority should be given to the establishment of CMMs and MCS measures, and that the type of liaison should currently be limited to observer attendance.

Agenda Item 11. Other Matters

31. No other matters were discussed.

Agenda Item 12. Next Meeting

32. Canada proposed the hosting of an intersessional TCC meeting in the spring of 2017 so as to be able to address the various issues faced by the Committee in more technical detail. The Committee recommended that the Commission consider Canada's proposal and potential timing.

Agenda Item 13. Adoption of the report

33. The First Technical and Compliance Committee Final Report was adopted.

Agenda Item 14. Close of Meeting

34. The TCC01 Meeting closed at 19:49 on 23 August 2016.

ANNEXES

Annex A	Agenda
Annex B	Annotated Agenda
Annex C	List of Documents
Annex D	Participants List
Annex E	Framework for the Technical and Compliance Committee

North Pacific Fisheries Commission
1st Meeting of the Technical and Compliance Committee
22-23 August 2016
Tokyo, Japan

Agenda

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- Agenda Item 3. Admission of Observers
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 - 5.1 Overview of North Pacific Fisheries
- Agenda Item 6. Review of MCS related issues from SC
- Agenda Item 7. Review of Current MCS-related CMMs
 - 7.1 CMM 2015-01 - Vessel Registry
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- Agenda Item 8. Ongoing MCS Issues
 - 8.1 Transshipment
 - 8.2 High Seas Boarding and Inspection Procedures
 - 8.3 Interim and Voluntary Measures for Bottom Fisheries - Annual Reports
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- Agenda Item 9. Review of new MCS-related CMMs

9.1 CMM IUU Fishing - Japan

9.2 CMM Bottom Fisheries – SC Corresponding Group

Agenda Item 10. Liaison Regional Fisheries Bodies

Agenda Item 11. Other Matters

11.1 TCC Terms of Reference – Canada

11.2 TCC Framework - Canada

Agenda Item 12. Next Meeting

Agenda Item 13. Adoption of the Report

Agenda Item 14. Close of the Meeting

North Pacific Fisheries Commission
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Annotated Agenda

Agenda Item 1. Opening of the Meeting

*The Interim Chair or Executive Secretary shall call the meeting to order.
If there is a special speaker to open the meeting they shall proceed here.*

Agenda Item 2. Selection of Chair, Vice Chair and Rapporteur

The Committee shall elect a Chair to the TCC. The Chair shall then oversee the election of Vice Chair and the nomination of a Rapporteur

Agenda Item 3. Admission of Observers

The Chair shall introduce the list of approved observers present according to Rule 9.1 and 9.3 of the NPFC Rules of Procedure and details of new NGOs regarding their request to be observers for appropriate comment and adoption by the Committee.

Agenda Item 4. Adoption of Agenda

The Provisional Agenda shall be reviewed and adopted

Agenda Item 5. Progress Report from the Secretariat

5.1 Overview of North Pacific Fisheries

The Secretariat shall present an overview of the North Pacific Fisheries addressing each fishery – target fisheries, areas of fishing, catches, number, size and gear utilized by Country

Agenda Item 6. Review of MCS related issues from SC

The Chair of the SC, or in lieu of the Chair, the Secretariat, shall present the MCS related issues arising for the Scientific Committee Meeting

Agenda Item 7. Review of Current MCS-related CMMs

7.1 CMM 2015-01 - Vessel Registry

7.2 CMM 2015-02 - Pacific saury

The Secretariat shall present the information available on the compliance by Members to the active CMMs according to information available.

Members shall be asked to review the current CMMs with the objective to confirm their adequacy or revise accordingly to clarify their intent.

Agenda Item 8. Ongoing MCS Issues

With the permission of the Committee, the Secretariat shall provide a short overview of the intent of this exercise, namely to assess the MCS tools: a) required for implementation by the Convention; b) MCS tools available for best monitoring of fishing operations in the Convention Area; and c) seek priorities and time lines for implementation to enable the Secretariat to prepare a multi-year Compliance Work Plan and Budget for the Commission in the intersessional period between TCC meetings.

8.1 Transshipment

Members shall be directed to Art 7 Paragraph 2 (a) of the NPFC Convention for this requirement and it is suggested there be a review of current submissions for a transshipment CMM including:

“the procedures for the regulation and monitoring of transshipment of fishery resources and products of fisheries resources taken in the Convention Area, including notification to the Commission of the location and quantity of any transshipment”.

Linked to the above will be the need for Members to identify a mechanism for registration, identification of responsible parties,

monitoring and reporting requirements to authorize carrier, fisheries transport/transshipment vessels for such operations, noting that often these vessels are flagged to non-members.

8.2 High Seas Boarding and Inspection Procedures

Members shall be directed to Article 7 Paragraph 2 (c) of the NPFC Convention for this requirement and it is suggested there be a review of current submissions for a CMM for a high seas boarding and inspection scheme accordingly.

8.3 Interim and Voluntary Measures for Bottom Fisheries – Annual Reports

Members are invited to review the proposed CMM on Bottom Fisheries submitted by the SC Corresponding Group to assess the MCS requirements and develop MCS procedures for its implementation.

8.4 Other MCS Issues

8.4.1 Members are invited to review the additional MCS tools to be implemented as required by the Convention –

- *Observer programme – Article 7, Paragraph 2(b) to “develop and implement a North Pacific Ocean Fisheries Observer Program (‘Observer Program’), taking into account relevant international standards and guidelines”*
- *Procedures to monitor, control, surveil and ensure enforcement of CMMs adopted to prevent, deter and eliminate IUU fishing - Article 7, Paragraph 2(d) –*

Note: IUU section may be deferred to Agenda Item 9, however, other mechanisms (logbook compliance, PSMA, etc. may require further discussion

- *VMS - Article 7, Paragraph 2(e) to: “develop standards, specifications and procedures for members to report movements and activities using real-time satellite position fixing transmitters for vessels engaged in fishing activities in the Convention Area”*
- *Entry/Exit reports; - Article 7 Paragraph 2 (f) to: “ establish procedures by which entry into and exit from the*

Convention Area of Fishing Vessels catching or planning to catch fisheries resources in the Convention Area are notified to the Commission in a timely manner”

- *Non-Discriminatory market-related measures - Article 7, Paragraph 2(g) to:
“establish, where appropriate, non-discriminatory market-related measures consistent with international law to prevent, deter and eliminate IUU fishing” e.g. reference to implementation of the PSMA – in force 5 June 2016”*
- *Compliance with CMMs - Article 7, Paragraph 2(h) to:
“establish procedures for reviewing compliance with provisions of this Convention and measures adopted pursuant to this Convention”.*

8.4.2 Other MCS tools:

Members are invited to consider, and where appropriate to prioritize other MCS tools for compliance operations including the use of Radar Satellite (RADSAT) data; Satellite Imagery; Automatic Identification System (AIS – IMO’s Ship Safety system for tracking vessels); electronic monitoring to replace or supplement observer programmes for smaller vessels; mechanisms for the implementation of the FAO Port State Measures Agreement; and other MCS tools such as: closed areas, times, and gear restrictions.

Agenda Item 9. Review of new MCS-related CMMs

9.1 CMM IUU Fishing – Japan

9.2 CMM Bottom Fisheries – SC Corresponding Group

9.3 CMM Vessels Without Nationality – Korea

9.4 CMM Proposal to amend CMM 15/01 Vessel Registry – Chinese Taipei

Members are invited to consider new MCS-Related CMMs submitted for consideration

Agenda Item 10. Liaison Regional Fisheries Bodies

Members are invited to discuss which regional bodies would be appropriate to establish such liaison, the mechanisms for identifying the level of liaison and cooperation, e.g., attend each other's meetings, Memoranda of Understanding, etc.

Agenda Item 11. Other Matters

11.1 TCC Terms of Reference - Canada

11.2 TCC Framework - Canada

Members are invited to discuss other matters identified under Agenda Item 4.

Agenda Item 12. Next Meeting

Participants will decide the date and place of the next meeting.

Agenda Item 13. Adoption of the Report

The record of the 1st TCC meeting will be adopted

Agenda Item 14. Close of the Meeting

The meeting will close at 1800 hrs on 23 August 2016.

North Pacific Fisheries Commission
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LIST OF DOCUMENTS

MEETING INFORMATION PAPERS

Symbol	Title
NPFC01-2016-MIP01 Rev 1	Meeting notice and information
NPFC01-2016-TCC01-MIP02	Provisional agenda
NPFC01-2016-TCC01-MIP03 Rev 1	Provisional annotated agenda
NPFC01-2016-TCC01-MIP04 Rev 2	Indicative schedule
NPFC01-2016-TCC01-MIP05 Rev 3	Provisional List of Documents

REFERENCE DOCUMENTS - NPFC Website

Symbol	Title
	Convention on the Conservation and Management of High Seas Fisheries Resources in the North Pacific Ocean
	NPFC Rules of Procedure
	Compendium of Active Conservation and Management Measures for the NPFC

WORKING PAPERS

Symbol	Title
NPFC-2016-TCC01-WP01	CMM to Establish NPFC IUU Vessel List (Japan)
NPFC-2016-TCC01-WP02	Technical Compliance Committee Terms of Reference
NPFC-2016-TCC01-WP03	Technical Compliance Committee Framework
NPFC-2016-TCC01-WP04	CMM 2016-XX NPFC Transshipment Procedures
NPFC-2016-TCC01-WP05	CMM 2016-XX NPFC High Seas Boarding and Inspection Procedures
NPFC-2016-TCC01-WP06	CMM 2016-XX Vessels Without Nationality (Korea)
NPFC-2016-TCC01-WP07 (Rev 1)	Amendment to CMM15/01 (Chinese Taipei)
NPFC-2016-TCC01-WP08	CMMs 2016-XX Bottom Fisheries (<i>Two Separate CMMs</i>)

INFORMATION PAPERS (IP)

Symbol	Title
NPFC01-2016-TCC01-IP01	Consideration to amend CMM 15-01 Vessel Register
NPFC01-2016-TCC01-IP02	CMM Compendium
NPFC01-2016-TCC01-IP03	Agenda Item 5 Presentation Overview of Fisheries 2015
NPFC01-2016-TCC01-IP04	Agenda Item 8 – Presentation MCS Requirements of the Convention
NPFC01-2016-TCC01-IP05	Vessels Sighted in CA by Japan

VESSEL REGISTRATIONS (VR) – NPFC Website

Symbol	Title
NPFC01-2016-TCC-VR	CANADA
NPFC01-2016-TCC-VR	PEOPLE’S REPUBLIC OF CHINA
NPFC01-2016-TCC-VR	JAPAN
NPFC01-2016-TCC-VR	REPUBLIC OF KOREA
NPFC01-2016-TCC-VR	RUSSIAN FEDERATION
NPFC01-2016-TCC-VR	CHINESE TAIPEI

ANNUAL REPORTS (AR) - NPFC Website

Symbol	MEMBER
NPFC01-2016-AR (Rev 4) Canada	Canada
NPFC01-2016-AR China	China
NPFC01-2016-AR Japan (Rev 1)	Japan
NPFC01-2016-AR (Rev 1) Korea	Republic of Korea
NPFC01-2016-AR Russia	Russian Federation
NPFC01-2016-AR Chinese Taipei (Rev 1)	Chinese Taipei
NPFC01-2016-AR-Annual Summary Footprint - Bottom Fisheries	Secretariat
NPFC01-2016-AR-Annual Summary Table - Pacific Saury	Secretariat
NPFC01-2016-AR-Annual Summary Table - Squid	Secretariat

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DRAFT PROPOSAL BY CANADA: 22 July 2016

TECHNICAL AND COMPLIANCE COMMITTEE FRAMEWORK

Holding the Interim Chair position of the TCC, Canada has taken upon itself the task of drafting a Framework for the TCC. The purpose of this Framework would be to give direction and prioritization to the work of the TCC over the coming 5 years. Other RFMOs have used similar frameworks to help guide the development of conservation and management measures, and Canada believes the practice may be useful in the context of NPFC.

The proposed Framework would provide direction to both the TCC and the Commission on the establishment of Conservation and Management Measures (CMM) to guide the operations of the Commission in its mandate for the sustainable management of fisheries resources and the protection of Vulnerable Marine Ecosystems in the North Pacific Ocean.

To that end, the draft as provided seeks to highlight general thematic areas for CMMs that the Commission could then work towards developing and adopting as appropriate.

TECHNICAL AND COMPLIANCE COMMITTEE FRAMEWORK

Rationale: The Framework is designed to map out the measures that could, with time, come into force in the NPFC and identify areas of focus for the Commission and its subsidiary bodies. In order to shape work for the TCC, and to agree on what modules might need to be developed in the future, Canada proposes that the TCC adopts a framework that would shape the work of TCC over the course of the next 5 years.

This proposed framework is divided into three main sections, including:

1. CMMs for Priority Species;
2. CMMs for Vulnerable Marine Ecosystems (VMEs) or other ecosystem elements; and,
3. CMMs for Science and Monitoring, Control And Surveillance (MCS) measures

The draft framework includes general titles of CMMs which could then be subsequently developed and adopted by the Commission.

PART 1 - CMMs FOR PRIORITY SPECIES

This section includes dedicated CMMs for both species that have been identified as priority species by the Commission, as well as others that could be developed for species that are both the target of directed fisheries managed by the Commission, as well as others that are taken as bycatch (e.g. sharks, seabirds, sea turtles) in NPFC Fisheries:

- i. North Pacific armorhead *Pseudopentaceros wheeleri*,
- ii. Splendid alfonsino *Beryx splendens*,
- iii. Pacific saury *Cololabis saira*, [CMM in force]
- iv. Neon flying squid *Ommastrephes bartramii*,
- v. Japanese flying squid *Todarodes pacificus*,
- vi. Chub mackerel *Scomber japonicus*,
- vii. Spotted mackerel *Scomber australasicus*,
- viii. Japanese sardine *Sardinops melanostictus*.
- ix. CMMs for other species (target and non-target)

Each CMM could set out the measures through which fisheries are to be managed (e.g. effort-based, TAC/quota controls, season, gear, etc...) for the species which it covers.

PART 2 - CMMs FOR VMES

As above with species, this section of the framework would include CMMs that have been adopted by the Commission on the protection of VMES. The work that is underway on the CMMs for the interim measures for both the Northwest and Northeast Pacific Ocean would be the first of a series of CMMs that could be looked at to populate this section of the framework:

- i. CMM for measures to protect VMES in the Northwest Pacific Ocean [*CMM in drafting*]
- ii. CMM for measures to protect VMES in the Northeast Pacific Ocean [*CMM in drafting*]
- iii. CMMs on encounter protocols
- iv. CMMs on other measures to protect VMES (not covered in the above)

These CMMs provide for measures designed to protect VMES and other ecologically and biologically sensitive areas in the NPFC Convention Area.

PART 3: CMMs FOR SCIENCE/MCS MEASURES

Lastly, this section of the framework includes CMMs designed to set out the governance framework for both science and enforcement-based activities. The NPFC's Scientific and Technical and Compliance Committees respectively would develop and take direction from CMMs included within this section. Some areas for which CMMs could be developed include:

Science

- i. Observer programs (science, data collection)
- ii. Catch monitoring and reporting
- iii. Management of Data
- iv. Stock assessments for priority species
- v. Science assessments on location, structure of VMES
- vi. Science assessments of impacts on VMES
- vii. Exploratory Fisheries Protocol

Enforcement

- i. Vessel Monitoring Systems (VMS)
- ii. Vessel Registration Requirements [*CMM in force*]
- iii. Observer Programs (compliance)
- iv. Boarding and Inspection Scheme
- v. Transshipment Scheme
- vi. IUU Vessel lists
- vii. Non-contracting Parties
- viii. Port State Controls, Inspection
- ix. Chartering Arrangements
- x. Compliance Monitoring Scheme

Other CMMs as deemed appropriate could be developed and included to assist the Commission in both its scientific and compliance/enforcement activities.