



REPORT

Technical Panel on Forest Quarantine

**Virtual meeting
13 June 2017**

IPPC Secretariat

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1. Opening of the meeting

The International Plant Protection Convention (IPPC) Secretariat (hereafter referred to as “Secretariat”) support for Technical Panel for Forest Quarantine (TPFQ) chaired the meeting and welcomed the TPFQ members. The following participants were in attendance:

1. Ms Marina ZLOTINA (Steward for the TPFQ (2004-004))
2. Mr Zong SHIXIANG (China)
3. Mr Victor AGYEMAN (Ghana)
4. Mr Lucio MONTECCHIO (Italy)
5. Mr Mamoru MATSUI (Japan)
6. Mr Krzysztof SUPRUNIUK (Poland)
7. Mr John Tyrone JONES (USA)
8. Mr Eric ALLEN (IFQRG)
9. Mr Michael ORMSBY (IPPC Secretariat)
10. Mr Piotr WLODARCZYK (IPPC Secretariat support)

The full list of TPFQ members and their contact details can be found on the International Phytosanitary Portal (IPP)¹.

The Secretariat introduced the agenda and it was adopted as presented in Appendix 1 to this report.

2. Election of rapporteur

Mr Mamoru MATSUI was elected as the rapporteur.

3. Secretariat Update

3.1 CPM-12 (5-11 April 2017)²

The CPM-12 (2017) discussed the treatments for wood and for wood packaging material that were under consideration for adoption.

Dielectric Heating

One contracting party (CP) provided an objection to the adoption of the draft phytosanitary treatment on *Heat treatment of wood using dielectric heating* (2007-114), noting they had further research that questioned the efficacy of the treatment and agreed to provide their data to the Standards Committee (SC). The objection noted that China has developed industrial microwave dielectric heating equipment (560 kW, 915 MHz high-energy microwaves) for quarantine treatments in Dalian City, Liaoning Province. This facility is currently being tested. The volume of each treatment chamber is 15 m × 4 m × 3 m, and the facility has been used to assess the pine wood nematode (PWN) survival in wood following treatments. Preliminary tests on blocks of round pine wood (85 cm long, 30-40 cm in diameter, 30-50% moisture content) found low levels of PWN survivors after a 1 minute treatment at 60°C, indicating a potential treatment failure. Further verification testing is currently underway.

The data were provided too late for the SC to consider at their May 2017 meeting, and the SC requested the TPPT to consider the data and recommend a response.

Sulphuryl Fluoride

Some CPs noted differences in advice given for the application of sulphuryl fluoride treatments in draft annex to ISPM 15 (*Regulation of wood packaging material in international trade*) and in draft annexes

¹ TPFQ membership list: <https://www.ippc.int/en/publications/1191/>

² Report of CPM-12: <https://www.ippc.int/en/publications/84387/>

to ISPM 28 (*Phytosanitary treatments for regulated pests*) and recommended to align them in the future. The draft revision of ISPM 15 annexes is going to be discussed at the SC-7.

Adoption of Standards

Of relevant to the TPFQ, the CPM:

- adopted ISPM 38 (*International movement of seeds*) (2009-003)
- adopted ISPM 39 (*International movement of wood*) (2006-029)
- adopted the PT 22 Sulfuryl Fluoride fumigation treatment for insects in debarked wood (2007-101A) as Annex 22 to ISPM 28
- adopted the PT 23 Sulfuryl Fluoride fumigation treatment for nematodes and insects in debarked wood (2007-101B) as Annex 23 to ISPM 28
- noted that the SC adopted on behalf of CPM ten diagnostic protocols (DPs) as Annexes to ISPM 27 (*Diagnostic protocols for regulated pests*), the following of which are relevant to the TPFQ:
 - DP 20: *Dendroctonus ponderosae* (2006-019)
 - DP 22: *Fusarium circinatum* (2006-021)

Acknowledgement the contributions

The CPM acknowledged the contributions of the members of the Technical Panel on Forest Quarantine who have left in 2016:

- Brazil, Mr Edson Tadeu IEDE
- Chile, Mr Marcos Beéche CISTERNAS
- Germany, Mr Thomas SCHRÖDER
- Norway, Mr Sven Christer MAGNUSSON

TPFQ members also acknowledged the contributions of those members over their membership in the panel.

The CPM acknowledged the contributions of individual experts for their efforts (specific roles are noted) in the development of the ISPMs adopted at CPM-12 (2017).

New topics and adjustments to the List of topics for IPPC standards

CPM-12 (2017) added the following topic, with the indicated priorities and IPPC Strategic Objectives, to the List of Topics for IPPC standards:

- 2015-004: Use of systems approaches in managing risks associated with the movement of wood commodities (priority 3, strategic objectives B and C).

Certificates of Compliance

At CPM-12 (2017) the Secretariat informed the CPM that the SC had discussed the concept of compliance certification schemes and the use of a certificates of compliance by national plant protection organizations (NPPOs) and situations where such a concept could apply (e.g. as an alternative to a phytosanitary certificate). During the CPM, a small group was formed to discuss the issue and in reporting back, it was noted that some CPs were concerned that the introduction of an additional certification system could create confusion and problems in trade. Furthermore, a new system of certification could cause difficulties and add complexity to newly developed national ePhyto systems. The CPM decided not to approve further work on the concept on the use of certificates of compliance in ISPMs at this time.

3.2 CPM Bureau meeting³ (3-4 and 11 April 2017)

The Bureau requested the Secretariat to further explore the possibility of a CPM side session on research coordination in cooperation with International Forestry Quarantine Research Group (IFQRG) as well as a European and Mediterranean Plant Protection Organization (EPPO) side session, potentially including gene sequencing and molecular technology (e.g. next generation sequencing (NGS)) to raise awareness of these emerging technologies and regulatory challenges. The Secretariat's Implementation Facilitation Unit will take the lead for the organization of the session and seek assistance as needed.

The EPPO *Workshop on the use of Next Generation Sequencing technologies for plant pest diagnostics* to be held in Bari, Italy in November was proposed as the starting point for interested participants.

3.3 SC May 2017⁴ (8-12 May 2017)

Certificates of compliance

The SC noted that CPM-12 (2017) discussed the concept of certificates of compliance and agreed that further work on this concept should not be carried out at this moment, just as the CPM requested that this concept not be included in any draft ISPM at this time. The Secretariat noted that this affected the development of the draft ISPM on the *International movement of wood products and handicrafts made from wood* (2008-008). The SC discussed how to progress this draft ISPM and agreed it should be redrafted and a call for new experts made. It was agreed by the SC the past EWG members could resubmit their nominations for consideration by the SC and participate. The SC also agreed that the existing specification would not be modified.

Mr Rajesh RAMARATHNAM (Canada) was assigned steward for this topic.

New Generation Sequencing (NGS)

The SC in May discussed the paper by the Technical Panel on Diagnostic Protocols (TPDP) about Next Generation Sequencing (NGS) and supported the CPM Bureau to hold a side session on the topic during CPM-13 (2018), particularly in relation to the regulations, because this topic touched upon important concepts, i.e. pest free areas, pest reporting, etc.

Review of technical panels (from May 2016 to April 2017)

The SC thanked the TPs for the great amount of work that all members and stewards do and the significant results produced. The SC also thanked organizations and contracting parties that provide in-kind support, fund TP meetings and support their experts to participate in this work.

Technical Panel on Forest Quarantine (TPFQ)

The Secretariat presented an overview of TPFQ activities carried out since May 2016.

The TPFQ Steward thanked the TPFQ members and the Secretariat, especially the leads, for their work.

In 2017, TPFQ hopes to present the draft annex to ISPM 15 on *Criteria for treatments for wood packaging material in international trade* (2006-010) to the SC. However, the TPFQ is waiting for the publication of a peer-reviewed paper authored by an IFQRG member, which will provide the scientific basis for this draft. The TPFQ had proposed to the SC that the title be changed to *Process for testing new treatments for ISPM 15*, but the SC decided it was more appropriate to agree to a title change when the draft was presented to them.

The SC:

- noted the following TPFQ meeting reports: 2016-06 face-to-face and 2016-09 virtual

³ Report of the CPM Bureau: <https://www.ippc.int/en/publications/84239/>

⁴ Report of the May SC Meeting: <https://www.ippc.int/en/publications/84388/>

- noted the work performed by the TPFQ over the last year
- noted the tentative TPFQ work plan for the period May 2017 – April 2018.

Adjustments to the List of Topics for IPPC Standards and the Stewards

The SC agreed that the Secretariat work with a small SC group (steward, assistant steward, Mr Nico HORN and Mr Rajesh RAMARATHNAM) to revise the draft specification for the topic *Use of systems approaches in managing risks associated with the movement of wood commodities* (2015-004) and that the OCS be used to collect comments from SC members before submitting the draft specification for approval via SC e-decision.

The SC approved the draft ISPM on *Requirements for the use of fumigation treatments as a phytosanitary measure* (2014-004) as modified in the meeting for submission to the first consultation.

The SC assigned Mr Jesulindo Nery DE SOUZA JUNIOR (Brazil) as steward and Mr HERMAWAN (Indonesia) as assistant steward for the topic *Use of systems approaches in managing risks associated with the movement of wood commodities* (2015-004).

3.4 SC-7 May 2017 (15-19 May 2017)

Draft ISPMs approved by the SC-7 May 2017 for second consultation (01 July – 30 September 2017) included the draft revision of ISPM 15 (*Regulation of wood packaging material in international trade*) - Annex 1 and 2 for inclusion of the phytosanitary treatment *Sulphuryl fluoride fumigation of wood packaging material* (2006-010A) and revision of the dielectric heating section (2006-010B).

Two other items of interest to the TPFQ include that a second consultation was agreed for removal of the term ‘kiln drying’ from ISPM 5 (*Glossary of phytosanitary terms*), and for the draft ISPM on *Requirements for the use of temperature treatments as a phytosanitary measure* (2014-005).

4. Update on IFQRG work program for 2017

IFQRG 14 will be held in Rotorua, New Zealand, in the first week (2nd-6th) of October 2017. Key issues to be discussed is the development of treatments for wood packaging material and for wood commodities as well as science support for the draft ISPM on *International movement of wood products and handicrafts made from wood* (2008-008).

The scientific background for the implementation of the North American Plant Protection Organization’s (NAPPO) standard on the *Use of systems approaches in managing pest risks associated with the movement of forest products*⁵, for which the specification is currently under consultation, has been foreseen as a discussion point for the meeting.

Details on the meeting can be found on the IFQRG’s web page on the IPP: <https://www.ippc.int/en/external-cooperation/organizations-page-in-ipp/internationalforestryquarantineresearchgroup/>.

5. Discussion/status of the revision of ISPM 15: *Criteria for treatments for wood packaging material in international trade* (2006-010)

The update on the status of the revision of ISPM 15 (*Regulation of wood packaging material in international trade*) on *Criteria for treatments for wood packaging material in international trade* (2006-010) will be presented at the next TPFQ virtual meeting.

⁵ https://www.nappo.org/files/9114/4043/4083/Forestry_systems_approaches2015-01-e.pdf

6. Work program for 2017

Currently the only items on the 2017 work program for TPFQ are the drafting of the revision of ISPM 15 (*Regulation of wood packaging material in international trade*): *Criteria for treatments for wood packaging material in international trade* (2006-010), and the collaborative work program with IFQRG.

A further virtual meeting is planned for TPFQ in September or early October 2017 to discuss any items going to the SC meeting in November 2017.

7. Other business

A TPFQ member raised emerging issues associated with ornamental trees moving as plants for planting. These trees may be moving international as ornamental plants rather than the forest trees. The member raised particular concerns regarding the movement of growing medium/soil which may be contaminated with forest pests. It was clarified that ISPM 36 (*Integrated measures for plants for planting*) and ISPM 40 (*International movement of growing media in association with plants for planting*) were adopted by CPM and provide relevant guidance for NPPOs.

A member raised the issue that many NPPOs are spending unnecessary effort regulating organisms that are contaminants of wood packaging material, and are not controllable by ISPM 15 treatments. Guidance on what organisms are contaminants of wood packaging material could be a valuable resource for NPPOs to support the cost-effective implementation of ISPM 15. The TPFQ agreed to accept the issue for further consideration.

8. Close of the meeting

The Secretariat thanked all panel members for their participation and closed the meeting.

Appendix 1: Agenda**2017 JUNE VIRTUAL MEETING
OF THE TECHNICAL PANEL FOR FOREST QUARANTINE****13 June 2017****Time: 12:00-14:00 (GMT +1)****Adobe Connect****AGENDA**

AGENDA ITEM	DOCUMENT NO.	PRESENTER
1. Opening of the meeting		
1.1 Orientation Refresher for Adobe Connect	https://www.ippc.int/core-activities/standards-setting/virtual-tools	
1.2 Welcome by the IPPC Secretariat	01_TPFQ_2017_Jun_Agenda	ORMSBY
1.3 Introductions	https://www.ippc.int/publications/membership-tpfq	ORMSBY
1.4 Report of last meetings		ORMSBY
2. Secretariat Maintenance and Updates from relevant Bodies (incl. Standards Committee)	02_TPFQ_2017_Jun_Secretariat Update	ZLOTINA/ ORMSBY
3. Update on IFQRG/IPPC work programme 2017	-	ALLEN
4. Discussion/status on ISPM 15 Treatment Criteria (2006-010)	-	ORMSBY
5. Work Programme for 2017		ALL
5.1 ISPM 15 (2009) explanatory document	https://www.ippc.int/publications/ispm-15-explanatory-document-shane-sela-lead-author-thomas-schroeder-matsui-mamoru-and	
5.2 Annex 1&2 SF schedule for ISPM15 (2006-010A)	-	ZLOTINA
5.3 Annex 1 DH schedule for ISPM15 (2006-010B)	-	ZLOTINA
5.4 Emerging Phytosanitary Issues in Forestry	-	ALL (TPFQ)
6. Recommendations to the SC (if applicable)		ORMSBY
7. Other business	-	ORMSBY
8. Follow-up Actions for next TPFQ Virtual Meeting		ORMSBY
9. Close of the meeting		ORMSBY