



REPORT

Recife, Brazil
22-26 August 2011

Technical Panel on Pest Free Areas and Systems Approaches for Fruit Flies August 2011



Food and Agriculture Organization of the United Nations

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1. Opening of the meeting

1.1 Welcome by the IPPC Secretariat and Host

Mr Cosam de Carvalho Cutinho (Director of Plant Protection in Brazil) and Ms Erivania Camelo (Director of the Agência de Defesa e Fiscalização Agropecuária (ADAGRO) de Pernambuco, Brazil) welcomed the participants to the meeting and hoped for fruitful discussions that would result in the development of high quality draft standards for presentation to the Standards Committee (SC). The IPPC Secretariat and the Joint Food and Agriculture Organization of the United Nations (FAO) and the International Atomic Energy Agency (IAEA) Programme representative welcomed the participants to the meeting and thanked the National Plant Protection Organization (NPPO) of Brazil and the state of Pernambuco for their collaboration and Moscamed Brazil for hosting and organizing the meeting.

1.2 Introductions

The meeting participants introduced themselves.

1.3 Roles of the Participants

The IPPC Secretariat reviewed Specification TP 2 rev. 2 *Technical panel on pest free areas and systems approaches for fruit flies* and reviewed the roles of the participants, panel members, host country and organization representatives, steward and chair.

1.4 Selection of the Chair

The panel selected Mr Jose Luis Zavala Lopez (Mexico) as the Chair for the meeting.

1.5 Selection of the Rapporteur

The panel selected Mr Jan Hendrik Venter (South Africa) as the Rapporteur for the meeting.

1.6 Adoption of the Agenda¹

The panel reviewed and adopted the Agenda (see Appendix 1 to this report).

2. Administrative Matters

2.1 Documents List

The panel reviewed and adopted the Documents List² (see Appendix 2 to this report).

2.2 Participants List³

The meeting participants noted and provided updates to their contact information as necessary (see Appendix 3 to this report).

2.3 Local Information⁴

The meeting organizer, Mr Aldo Malavasi (Moscamed Brazil), presented the local information document and answered any additional questions from the group.

3. Operation of the TPFF

The panel noted that much of this would be covered in Section 8 *Develop the TPFF 2011-2012 work programme* so the discussion was deferred to the end of the meeting (see section 8 of this report).

¹ 2011_TPFF_Aug_01

² 2011_TPFF_Aug_02

³ 2011_TPFF_Aug_03

⁴ 2011_TPFF_Aug_04

4. Updates from other relevant bodies

4.1 Items arising from CPM-6 (2011)

The steward of the panel, Ms Julie Aliaga, reviewed the updates from other relevant bodies⁵.

The Secretariat informed the panel that the Sixth Session of the Commission on Phytosanitary Measures (CPM-6), 2011, requested a Focus Group (FG) convene to discuss the improvement of the standard setting process of the IPPC. The FG met at the European and Mediterranean Plant Protection Organization (EPPO) Headquarters in Paris, France from 25-29 July 2011. One key element that the FG recommended was that the CPM should no longer be a drafting body. It was also noted that the interval of time after the member consultation period ending 14 days prior to CPM was insufficient to address the comments in a thoughtful manner. Of the member comments received on *ISPM 26. 2006 Appendix 1: Fruit Fly Trapping*, more than 50% of the comments on these editorial and translation issues, and at the CPM-6 (2011) evening session, few key, substantial issues were addressed. Another issue that arose was in regards to the FTD (flies per trap per day) formula. After lengthy discussions, it was noted that *ISPM 30:2008 Establishment of areas of low pest prevalence for fruit flies (Tephritidae)* also uses the same formula, so the FTD formula was retained.

The panel noted that, during CPM-6 (2011), at the satellite meeting with the African members, when the countries were asked what their largest phytosanitary issue is, many (more than 50% of the countries) considered fruit flies to be their major phytosanitary problem.

4.2 Discussions and Guidance from the Standards Committee (2010 November and 2011 May SC meetings).

4.2.1 Protocol to determine host status of fruits and vegetables to fruit fly infestations (*Tephritidae*) (2006-031)

The TPFF considered it necessary to review the draft *ISPM Protocol to determine host status of fruits and vegetables to fruit fly infestations (Tephritidae)* (2006-031) during this meeting. The Standards Committee (SC) meeting in May 2011 found the draft technically sound, but felt it needed some redrafting and re-organization. The steward of the draft ISPM received comments on the draft from other SC members which focused more on rearrangement and re-organization. One issue was that the draft should focus more on species than on varieties, but the TPFF steward noted that the draft should remain as currently written, considering the cultivars and physiological stages important for the host status. The SC accepted the TPFF suggestion to focus the draft on semi-natural experiments. The TPFF reviewed the comments and terminology questions from the SC during this meeting.

The TPFF reviewed the five definitions that the 2010 October meeting of the Technical Panel of the Glossary (TPG) recommended the TPFF to review⁶.

The TPFF agreed with the TPG that the definition *reproductive adult* was not needed as the term is used in its normal biological meaning.

The TPFF suggested modifying the following terms. For the term *host status*, the TPFF considered the term very broad. There was discussion to add *sub-species and variety* or to simply state *plant*. The TPFF concluded to delete *species or cultivar* for simplification.

Host status	The suitability of a plant species or cultivar as a host for a pest.
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The TPFF discussed the last three terms from the 2011 October TPG meeting report, which are specific for this draft ISPM: *natural host*, *non-natural host* and *non-host*.

The TPFF changed *demonstrated* to *scientifically demonstrated* in all three definitions.

⁵ 2011_TPFF_Aug_05_Rev1

⁶ 2011_TPFF_Aug_05_Rev1

Natural host

The TPFF agreed with the TPG suggestion to add *reproductive adults* to the end of the definition because the previous phrase proposed by the TPFF (*completion of the life cycle*) was dubious. In addition, the TPFF agreed *demonstrated* was a strong enough word in place of *unequivocally reported* and removed it from the definition.

natural host	A plant species or cultivar that has been <u>scientifically</u> demonstrated to be infested under natural conditions by the target fruit fly species and produce reproductive adults.
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Non-natural host and Non-host

The TPFF recommended deleting the phrase *artificial field* and considered the term *semi-natural*, but instead just removed *artificial*. The TPFF considered *experimental conditions* versus *experimental field conditions*, but chose *experimental conditions* because *experimental field conditions* would be included in *experimental conditions*.

non-natural host	A plant species or cultivar that has only been <u>scientifically</u> demonstrated to be infested by the target fruit fly species and produce reproductive adults under the experimental and artificial field conditions set out in this standard.
non-host	A plant species or cultivar that has been <u>scientifically</u> demonstrated not to allow the target fruit fly species to produce reproductive adults under the experimental and artificial field conditions set out in this standard.

The TPFF agreed with the TPG to remove the definitions *conditional hosts* and *host susceptibility* from the TPG work programme.

The panel noted that the SC wanted Figure 1 of the draft ISPM *Protocol to determine host status of fruits and vegetables to fruit fly infestations (Tephritidae)* (2006-031) to be simplified and clarified. The TPFF discussed this issue and asked the steward of the draft ISPM to revise Figure 1 of this draft ISPM.

The TPFF agreed to request the SC to review the TPFF recommendations for these definitions. The Secretariat will request the SC to forward the TPFF-recommended changes to the TPG for review.

4.2.2 Phytosanitary Procedures for Fruit Fly (*Tephritidae*) Management (2005-010)

It was noted that the draft ISPM *Phytosanitary Procedures for Fruit Fly (*Tephritidae*) Management* (2005-010) was originally intended to be a stand-alone ISPM. The TPFF asked the SC to be developed as an annex to ISPM 26:2006, and SC noted this recommendation at its 2011 May meeting.

The draft appendix to this draft annex was finalized in January 2011 and submitted to the Secretariat. The entire draft annex to ISPM 26:2006 will be presented to the SC.

4.3 Discussions and Guidance from the Standards Committee Working Group: *Systems approaches for pest risk management of fruit flies* (2004-022)

This draft ISPM was revised at the 2011 May meeting of the Standards Committee working group (SC-7). The TPFF were requested by the SC-7 to:

- consider the terms *pest*, *fruit fly*, *target fruit fly*, *target fruit fly species*, *fruit fly species*, etc. and choose a preferred term for consistency throughout the document
- review and provide comments on the definition of *tolerance level*
- discuss the difference between *secondary*, *alternate*, *non-natural*, *less susceptible* and *non-preferred hosts*, noting the TPFF recommends the term *non-natural*, but this term has not been approved by the SC.

Consider the terms pest, fruit fly, target fruit fly, target fruit fly species, fruit fly species, etc.

The panel decided to use the term target fruit fly species instead of *pest, fruit fly, target fruit fly, fruit fly species*, etc. throughout the draft standard for consistency and to harmonize all the draft fruit fly standards.

Definition of tolerance level

The TPFF thoroughly discussed the term *tolerance level*. After careful review, the TPFF agreed the term was correctly used in the draft ISPM *Systems approaches for pest risk management of fruit flies* (2004-022) and endeavoured to propose a way to harmonize this concept with the existing Glossary definition. The group made a distinction between *tolerance level* and *threshold level* and concluded the definition in the Glossary was closer to the practical concept of *threshold for action* than of *tolerance level*.

After the discussion, the TPFF proposed to the SC that the definition of the term *tolerance level* should be revised to be in line with the definition in the draft ISPM *Systems approaches for pest risk management of fruit flies* (2004-022). As a result of its discussion, the TPFF proposed the following definition:

tolerance level (of a pest)	<u>A specified incidence</u> of a pest specified as a threshold for above <u>which an action</u> to control that pest or to prevent its spread or introduction <u>is taken</u>
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Difference between secondary, alternate, non-natural, less susceptible and non-preferred hosts, etc.

The panel decided to use the term *non-natural host* because the draft ISPM *Protocol to determine host status of fruits and vegetables to fruit fly infestations (Tephritidae)* (2006-031) uses this term.

5. Report of the 2010 TPFF Meeting and Updates on intersessional Work

5.1 Review of the 2010-2011 TPFF work programme

The TPFF reviewed the 2010-2011 TPFF work programme and noted that all items outlined in the 2010 October TPFF meeting report have been completed.

5.2 Update on intersessional work

Since its last meeting, the TPFF had modified the *Layout of the collection of fruit fly ISPMs*. See section 7 of this report for more information.

The panel noted the virtual discussion by the TPFF of issues regarding the *Systems approaches for pest risk management of fruit flies* (2004-022) after the 2011 May SC-7 meeting. The concerns from the SC-7 were addressed and a final agreement was reached at this meeting. See section 4.3 for more information.

6. Development of draft ISPM *Establishment and maintenance of fruit fly quarantine areas within a pest free area in the event of outbreak detection* (2009-007)

6.1 Introduction and review of Specification 53 (2009-007)

The stewards for this topic had prepared a draft standard for discussion and the panel reviewed and revised the steward's draft standard.

The TPFF reviewed the specification approved by the SC in May 2011, noting that the SC had previously determined that the term *quarantine* was preferred over the term *regulated*. The panel made this global change to the document. The panel also recommended that the current ISPM 5:2010 *Glossary of phytosanitary terms* definition of *quarantine* should include transient pests. The TPFF requested the definition of *quarantine area* be reviewed to consider the inclusion of “or transient” to help address the panel’s concerns:

quarantine area	An area within which a quarantine pest is present <u>or transient</u> and is being officially controlled
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There was a discussion about the actual need for a new annex or whether ISPM 26 Annex 1: *Guidelines on corrective action plans* could be expanded. There was some confusion on how the draft ISPM *Establishment and maintenance of fruit fly quarantine areas within a pest free area in the event of outbreak detection* (2009-007) is different from ISPM 26 Annex 1: *Guidelines on corrective action plans*. However, the panel concluded that this draft annex (2009-007) is intended for countries with fruit fly pest free areas (FF-PFAs) to maintain trade while using ISPM 26 Annex 1: *Guidelines on corrective action plans*. It was also noted that, at present, the measures are not globally harmonized and the panel hoped this draft annex would set harmonized phytosanitary measures for quarantine purposes. It was also noted that the CPM added this topic to the *List of topics for IPPC standards* with a high priority.

Because the recommended means of supporting the implementation of the standard was not one of the tasks in the specification, the group decided to not include it in the standard.

It was noted that this draft is not about eradication, but would provide guidance on how to control the risk of spread of fruit flies associated with the movement of regulated articles through quarantine areas, and covers the stages of production, packing, storage, etc. in a commercial environment while facilitating trade.

There was a global change from *phytosanitary actions* to *phytosanitary measures* because *phytosanitary measures* imply *phytosanitary actions*. *Phytosanitary measures* is also a broader term and more commonly used.

6.2 Drafting *Establishment and maintenance of fruit fly quarantine areas within a pest free area in the event of outbreak detection* (2009-007)

Title

The panel noted that the SC preferred the term *quarantine area* over *regulated area*. However, at its 2010 October meeting, the TPFF considered *restricted area* a more appropriate term. The panel also noted that *regulated area* is a more widely accepted term, but, with regards to operation, *quarantine area* covers only where the pest is present. The panel, following the suggestion of the SC, made a global change from *regulated area* to *quarantine area*, where appropriate.

The panel discussed changing *quarantine area* to *phytosanitary measures* in the title. It was noted that the TPFF preferred the original title as used in the specification as the most appropriate. It was also proposed to use the term *affected area* because it is already used in ISPM 26 Annex 1: *Guidelines on corrective action plans*. However, the “*affected area* is a smaller area than the *quarantine area*. The TPFF concluded to keep the original title of the specification and changed *regulated area* to *quarantine area* and deleted “detection” because an outbreak is declared, not detected.

The panel discussed the term *established*. It was noted the draft ISPM is about fruit fly pest free areas (FF-PFA) and transient pests. It was discussed whether *transient* or *established* should be used. The panel noted the draft is about the fruit fly being present, but not established. The group considered changing *established* to “actions of” but noted *actions* includes many other activities not included in the scope of this draft. The panel decided on “quarantine actions to be applied in the event of...” which simplified and clarified the title. However, *quarantine actions* is not defined in the glossary. They considered *phytosanitary actions*, it was changed again to *phytosanitary measures*, but there was

concern this was too broad a term. The panel discussed removing *detection* or removing *outbreak* and keeping *detection* for clarification. The TPFF deleted *detection* from the title because the ISPM 5: 2010 definition of *outbreak* includes *detection*.

There was a discussion whether the wording “to be applied” was needed. The group considered it redundant, so removed it.

The panel decided on the title *Establishment of fruit fly quarantine areas within a pest free area in the event of an outbreak*.

Background

The panel clarified the issue of *present and transient pest* and reordered the paragraphs in this section. The group discussed whether the FF-PFA was “re-established” or “lost” and considered the phrase “removal of the regulated area”, but then decided not to include the phrase for simplification.

The panel also discussed using *capture* versus *detection*. It was noted that larvae can be detected, but not captured, so *detection* was retained.

The panel considered changing the phrase *audit and verification* to *supervision activities* to be consistent with ISPM 26:2006, but it was noted that *supervision* is not the correct wording, so it was returned to *audit and verification*. The group also removed *and verification* as it is not the role of the importing country to verify.

It was discussed that *eradication is declared* rather than achieved and the panel considered a declaration is a more official action. This was a global change.

The group changed *quarantine actions* to *phytosanitary actions* and *regulated area* to *quarantine area* and proposed these as global changes, where appropriate.

The group considered the terms *host produce*, *host fruit and vegetables*, *commodities*, etc. because they had similar meanings and the use of multiple terms with similar meanings was thought to be confusing. It was decided to harmonize these terms and use the glossary terms *regulated articles* or *plant products*. The group chose *plant products* and made a global change, where appropriate.

Cold disinfestation was replaced with *cold treatment* as a global change for clarification and consistency with other ISPMs.

A statement was added that the actions outlined in this draft ISPM are subject to a bilateral agreement.

The group wanted to stress that a majority of fruit fly outbreaks occur in urban areas which led to the discussion of whether an urban area is a production site. It was argued that there is a difference between commercial and backyard production, but both are production sites. It was noted that non-commercial production is already covered in ISPM 26 Annex 1: *Guidelines on corrective action plans*. They added text to the beginning of the Background regarding the movement of regulated articles grown for non-commercial purposes.

Requirements

1. Establishment of a quarantine area

The panel discussed changing the term *established* to *identified*, but deemed that *identified* is implied when something is established. The panel changed it to *identified and established* for clarification.

The panel considered the term *security radius*, but it was noted this was introducing a new term. A global change to *suspension radius* was considered because this term is already used in ISPM 26:2006. However, for simplicity, the group used simply *radius*.

1.1 Administrative boundaries

Defining the *regulated area* was discussed. It was noted that the regulated area, based on administrative boundaries, should include the example *places of production*, so the phrase *places of production* was added.

1.2 Radius, Figures 1 and 2 and Table 1

The group debated keeping very specific text on how to determine a radius in the section text, as a footnote, or deleting it. Some considered the footnote idea as confusing while others considered this text too much and that it should be generic, while others thought that generic is not enough information and confusing also. It was mentioned to view this as a grower's perspective and to identify what is in and out of the circle. The panel suggested keeping one example as an option, but stress there are other options.

The group considered removing *Figure 1: Example of a quarantine area determined by a security radius, with its corresponding polygon*. However, it was kept because it would be very helpful for countries to see a simple example. The panel noted that countries would also benefit from additional examples. The steward was requested to add some additional examples, such as a figure with more detection points to show a more realistic example and another figure showing administrative boundaries, such as roads, highways, etc.

It was discussed to add text on Universal Transverse Mercator (UTM) coordinates because global positioning system (GPS) coordinates may not be as precise. The group noted that all recent GPS devices have both, so this is not an issue anymore. Also, if an older GPS device is used, the GPS coordinates can be converted to UTM coordinates on the internet. This text was not included.

There was a discussion on which factor would be used in determining the size of the radius: by the biology of the fruit flies, by delimiting surveys or both. It was noted that different fruit fly species can have very different dispersal distances and that dispersal from an outbreak is different from movement of a fly by wind currents, hurricanes, etc. It was noted ISPM 26:2006 states that the factors are biological and ecological, weather conditions, etc. The panel determined the radius is pre-determined based on a number of factors, such as biology of the target fruit fly, availability of the hosts, climatic and other ecological factors and that the radius is determined before the availability of hosts is taken into account. They retained the text on the biology and ecology of the fruit fly species to be consistent with ISPM 26:2006.

It was proposed to include one general radius size for all fruit fly species, but the TPFF decided that would be too specific and concluded that there is plenty of publicly available information that countries can use to determine a suitable radius size. It was noted there are already some references in the specification that could be used. Instead, Table 1 was added to provide radii distances for economically important fruit flies and text with references to action plans that are publically available (draft ISPM section 5. *Additional references and resources*).

2. Phytosanitary actions

The title of this section was changed from *Phytosanitary measures implemented within the regulated area* to *Phytosanitary actions*.

2.1 Production

The group wanted to stress that a majority of fruit fly outbreaks occur in urban areas, so added this information to this section.

It was considered replacing *host material* with *commodity*, but it was noted that commodity implies a monetary value, whereas host material and soil may not. It was changed to *regulated material* then to *regulated articles* because its definition in the glossary fits better the concept.

The inclusion of examples of preventative measures was discussed. *Fruit bagging* was suggested, but this was considered a very specific measure and labour-intensive. The panel discussed developing

separate lists of alternative and mandatory examples, and considered removing the examples, but the tasks outlined in Specification 53 state that the TPFF must provide examples of preventative measures. The panel considered adding fruit stripping because the fruit can be stripped from one orchard to protect that orchard and others nearby. They kept *fruit bagging* and added *fruit stripping, protein bait sprays, netting, etc.* It was noted these preventative measures would only work if the host material is in a development stage that is not susceptible to infestation.

2.2 Movement of regulated articles

The original title of this section was *Movement from and through quarantine areas*. It was considered better to focus on the regulated articles, so the section title was changed to *Movement of regulated articles* for clarification.

The group wanted to clarify what was meant when the standard referred to movement and to clarify where, why, types of movement, etc. Text explaining examples of movements that may occur were added.

The term *host fruits and vegetables* was changed to *regulated articles* to be consistent with ISPM 26:2006.

The term *means of transportation* was changed to *the consignment* for clarification. *Conveyance* was suggested, but the group decided to focus on the consignment instead because its definition in the Glossary contains movement from one country to another.

There was a discussion about using the term *insect-proof covering, container or pallet*. The term *covering* was considered inappropriate because it is too wide a concept and considered if it should be changed to *device, container, etc.* It was also considered changing it to *insect secure* because the fruits are being protected from fruit flies going in and fruit flies going out. It was changed back to *insect proofed*.

There was discussion about changing the term *host fruits and vegetables* to *consignment* because the glossary defines *consignment* as moving for export. It was debated whether a consignment is legally between countries, but the panel concluded that in the draft it is clear that the consignment is from a quarantine area out to a non-quarantine area. It was then considered to change the term to *shipment*, but the panel considered the term *regulated articles* to simplify and be consistent with the rest of the draft. It was noted to make a global change from *consignment* to *regulated articles*, but there are some instances where *phytosanitary security of the consignment* was a glossary term, so it was not changed. The Secretariat, in consultation with the stewards, will review the document and make global changes as needed of the term *consignment* to *regulated articles*.

2.3 Packing

2.3.1 Located within the quarantine area

The panel proposed adding the term *or delegated authorities*, in addition to *NPPO*. Some panel members considered the change was not necessary, but it was added because it is used in certain countries.

The term *separation* in the phrase *separation of potentially infested fruit from non-infested fruit during packing* was discussed. The terms *insulation, segregation, separation* and *physical separation* were proposed. There was an additional discussion about *spatial* or *structure segregation*. The group concluded *physical isolation* was the most appropriate term and removed *spatial segregation* as an example.

Some text was added to be consistent with ISPM 34:2010.

2.3.2 Located outside the quarantine area (within FF-PFA) and packing plant products from the quarantine area

The group added text about trapping and surveillance inside the facility.

2.4 Storage

The group considered moving the section on storage before the section on packing. It was noted that both can occur interchangeably. However, the panel noted that the fruit is usually packed first, then stored, so kept the section on packing before the section on storing.

2.5 Processing

The group modified the text to be consistent with ISPM 32:2009. The panel considered adding examples of *dehydrating fruit* and *freezing*, but didn't include them in order to be consistent with ISPM 32:2009.

The term *special measures* was changed to *phytosanitary security*.

There was discussion of combining the two sections *packing* and *processing* together because of the text in the two sections is duplicated. However, packing is of a higher risk than processing, so they were kept separate.

There was concern that this section was not included in the specification and therefore should not be included in the draft ISPM. The TPFF steward noted that if the panel considers it necessary, then the SC may also agree that this is an important addition to the draft ISPM. The processing stage may not be a risk, but there is risk at receiving the regulated articles and disposal of waste, so the process should be safeguarded.

2.6 Phytosanitary treatments

The title *Quarantine treatments* was changed to *Phytosanitary treatments*.

The group changed the term *NPPO* to *NPPO of the exporting country* for clarification. There was also a discussion about the NPPO of the importing country checking the facility, but not registering it. To resolve this issue, the TPFF added the text to the Background that these corrective actions may be subject to audit and verification by the NPPO of the importing country.

The panel also noted that the draft annex *Phytosanitary procedures for fruit fly (Tephritidae) management (2005-010)* contains much of this information on phytosanitary treatments. It was noted that this draft should focus on quarantine actions and not suppressive actions (which are already addressed in the draft annex *Phytosanitary procedures for fruit fly (Tephritidae) management (2005-010)*).

It was noted that the sample of hot water dipping facilities in a treatment facility should be removed because that would be temporary, too expensive and is a corrective action, which is addressed in the background. It was removed.

2.7 Shipping for export

The panel questioned the need for safeguarding at the airport or seaport if inspection is conducted there. It was noted that these inspections at the airport or seaport are an option if not inspected before. The panel discussed the option of issuing the phytosanitary certification in the regulated area, not at the airport or seaport. It was questioned that if the packing was done under safeguarding conditions and the container was then locked and sealed, whether the second inspection at the airport is necessary. It was noted that some countries prefer an inspection immediately before loading the regulated article onto the airplane or boat. The group noted the word *If* at the beginning of the sentence to state this is optional and left the text as written.

The panel considered changing the term *NPPO* to *NPPO of the exporting country*, but it was assumed that phytosanitary certification occurs in the exporting country, so it was left as *NPPO*.

2.8 Retail and commerce

The panel added this section because it is an important factor in the spread of the fruit fly.

3. Documentation and record keeping

A statement that the NPPO should keep adequate records was added, including a reference to ISPM 17:2002. To be consistent, the panel used similar wording as found in section 1.2 in ISPM 26:2006.

4. Removal of the quarantine status within the FF-PFA

The panel considered that this section on reinstating the FF-PFA should be included because many countries would expect this information be included in the draft. It was noted that the SC asked for it as well, even though it is not in the specification.

5. Additional references and resources

See section 1.2 Radius.

6.3 Discussion and finalization of draft international standard

The TPFF will finalize the draft ISPM and recommend it to the SC via email.

7. Layout of the collection of fruit fly ISPMs

The panel reviewed the layout of the collection of fruit fly ISPMs, which was developed at the 2010 October TPFF meeting. The 2011 May SC generally agreed with the layout (see appendix 4 to this report for the latest version). The drafts ISPMs developed by the TPFF (*Phytosanitary Procedures for Fruit Fly (Tephritidae) Management* (2005-010) and *Establishment and maintenance of fruit fly quarantine areas within a pest free area in the event of outbreak detection* (2009-007) should be annexes to ISPM 26:2006 and *Protocol to determine host status of fruits and vegetables to fruit fly infestations (Tephritidae)* (2006-031) would remain stand-alone.

8. Develop the TPFF 2011-2012 work programme

8.1 Review of priority of the upcoming work

See appendix 5 for the 2011-2012 TPFF work programme.

8.2 Review of TPFF Member Terms

The TPFF recommends to the SC that all members continue contributing virtually until all remaining fruit fly draft ISPMs are adopted. There is no need for a call for new experts or face-to-face meetings.

8.3 Reviewing the work process to ensure better performance of tasks

The TPFF steward welcomed any ideas to ensure better performance of tasks. All suggestions should be submitted to the TPFF steward.

8.4 Discussion on working virtually

The Secretariat noted that the TPFF will continue to work virtually. Some options include forum discussions and virtually meetings via GoToTraining, which requires Java be installed and a headset with headphones and microphones. GoToTraining also is available via telephone. The TPFF noted the forum discussion would be very useful and requested the Secretariat set the forum up as soon as possible.

9. Other business

The panel had no other business.

10. Recommendations to the SC

The TPFF recommends the SC:

- *Note* the TPFF discussed the comments and terminology questions from the 2011 May SC meeting regarding the draft ISPM *Protocol to determine host status of fruits and vegetables to fruit fly infestations (Tephritidae)* (2006-031) (see section 4.2.1 of this report)
- *Note* the TPFF agreed with the TPG suggestion to delete the term *reproductive adult* from ISPM 5 (see section 4.2.1 of this report)
- *Note* the TPFF agreed with the TPG suggestion to remove the definitions *conditional hosts* and *host susceptibility* from the *List of topics for IPPC standards* (see section 4.2.1 of this report)
- *Note* the TPFF-proposed revisions to glossary terms for *host status*, *natural host*, *non-natural host*, *non-host*, *tolerance level* and *quarantine area* (see sections 4.2.1, 4.3 and 6.2 of this report)
- *Recommend* the TPG reviews the TPFF-proposed revisions to glossary terms for *host status*, *natural host*, *non-natural host*, *non-host*, *tolerance level* and *quarantine area* at its next meeting (see sections 4.2.1, 4.3 and 6.2 of this report)
- *Note* the TPFF has recommended the draft annex *Phytosanitary Procedures for Fruit Fly (Tephritidae) Management* (2005-010) to the SC (see section 4.2.2 of this report)
- *Note* the panel's decision in the draft ISPM *Systems approaches for pest risk management of fruit flies* (2004-022) to use the term *target fruit fly species* to harmonize the draft fruit fly standards (see section 4.3 of this report)
- *Note* that all items from the 2010-2011 TPFF work programme have been completed (see section 5 of this report)
- *Note* the TPFF developed the draft annex to ISPM 26:2006 *Establishment of fruit fly quarantine areas within a pest free area in the event of an outbreak* (2009-007) (see section 6 of this report)
- *Note* the 2011-2012 TPFF work programme (see section 8 and appendix 5 to this report)
- *Note* the TPFF recommendation that all current TPFF members continue contributing virtually until all remaining fruit fly draft ISPMs are adopted. The panel notes there is no further need for a call for new experts nor face-to-face meetings (see section 8 of this report)

11. Close of the meeting

11.1 Adoption of the report

The TPFF reviewed the draft report during the meeting.

11.2 Close

The TPFF steward, on behalf of the panel, thanked the organizers for all their help in organizing the meeting. She also thanked the panel for all their work over the last nine years.

The organizer thanked the IPPC and FAO/IAEA for allowing the meeting to be held in Brazil.

The Chair closed the meeting.

Appendix 1 - Agenda

AGENDA ITEM	DOCUMENT NO.	PRESENTER
1. Opening of the meeting		
1.1 Welcome by the IPPC Secretariat and Host		DUBON/MALAVASI
1.2 Introductions		DUBON
1.3 Roles of the Participants		DUBON
1.4 Selection of the Chair		DUBON
1.5 Selection of the Rapporteur		Chair
1.6 Adoption of the Agenda	2011_TPFF_Aug_01	Chair
2. Administrative Matters		
2.1 Documents List	2011_TPFF_Aug_02	DUBON
2.2 Participants List	2011_TPFF_Aug_03	DUBON
2.3 Local Information	2011_TPFF_Aug_04	MALAVASI
3. Operation of the TPFF		ALIAGA/PEREIRA
4. Updates from other relevant bodies		
4.1 Items arising from CPM-6 (2011)	2011_TPFF_Aug_05_Rev1	ALIAGA
4.2 Discussions and Guidance from the Standards Committee (SC November 2010 and May 2011)	2011_TPFF_Aug_05_Rev1	ALIAGA
4.2.1 Protocol to determine host status of fruits and vegetables to fruit fly infestations (Tephritidae) (2006-031)	2011_TPFF_Aug_05_Rev1	PEREIRA
4.2.2 Phytosanitary Procedures for Fruit Fly (Tephritidae) Management (2005-010)	2011_TPFF_Aug_05_Rev1	ALIAGA
4.3 Discussions and Guidance from the Standards Committee Working Group (SC7 May 2011): Systems approaches for pest risk management of fruit flies (2004-022)	2011_TPFF_Aug_05_Rev1 2004-022	ALIAGA
5. Report of the 2010 TPFF Meeting and Updates on intersessional Work		
5.1 Review of the 2010-2011 TPFF work programme	2011_TPFF_Aug_06	ALIAGA
5.2 Update on Intersessional Work	-	ALIAGA/PEREIRA
6. Development of draft ISPM Establishment and maintenance of fruit fly quarantine areas within a pest free area in the event of outbreak detection (2009-007)		
6.1 Introduction and review of Specification 53	2011_TPFF_Aug_07 2011_TPFF_Aug_05_Rev1	GONZALEZ/ROSSEL /HOFFMAN
6.2 Drafting of draft international standard	2009-007 2011_TPFF_Aug_05_Rev1 2011_TPFF_Aug_09	GONZALEZ/ROSSEL /HOFFMAN

AGENDA ITEM	DOCUMENT NO.	PRESENTER
6.3 Discussion and finalization of draft international standard	2009-007	GONZALEZ/ROSSEL /HOFFMAN
7. Layout of the collection of fruit fly ISPMs	2011_TPFF_Aug_10	PEREIRA
8. Develop the TPFF 2011-2012 work programme		
8.1 Review of priority of the upcoming work		ALIAGA
8.2 Review TPFF Member Terms		DUBON
8.3 Reviewing the work process to ensure better performance of tasks		ALIAGA
8.4 Discussion on working virtually		DUBON
9. Other business		ALIAGA
10. Recommendations to the SC		ALIAGA
11. Close of the meeting		
11.1 Adoption of the report		Chair
11.2 Close		Chair

Appendix 2 - Documents List

DOCUMENT NUMBER	AGENDA ITEM	DOCUMENT TITLE	DATE POSTED/ DISTRIBUTED
DRAFT ISPMS			
2004-022	4.3	Draft ISPM Systems approach for pest risk management of fruit flies (Tephritidae)	2011-08-05
2009-007	6.2, 6.3	Draft annex on Establishment and maintenance of fruit fly quarantine areas within a pest free area in the event of outbreak detection	2011-07-13
ALL OTHER MEETING DOCUMENTS			
2011_TPFF_Aug_01_Rev2	1.6	Agenda	2011-07-19
2011_TPFF_Aug_02_Rev1	2.1	Documents list	2011-07-19
2011_TPFF_Aug_03_Rev1	2.2	Participants list	2011-07-19
2011_TPFF_Aug_04	2.3	Local information	2011-07-13
2011_TPFF_Aug_05_Rev1	4 and 6	Updates from other relevant bodies	2011-08-08
2011_TPFF_Aug_06	5.1	Report of the 2010 TPFF meeting	2011-07-19
2011_TPFF_Aug_07	6.1	Specification 53: Establishment and maintenance of fruit fly quarantine areas within a pest free area in the event of outbreak detection	2011-07-13
2011_TPFF_Aug_08	-	-	-
2011_TPFF_Aug_09	6.2	CDFA, 2001. Exotic Fruit Fly Regulatory Response Manual.	2011-07-13
2011_TPFF_Aug_10_Rev1	7	Layout of the fruit fly ISPMs	2011-08-02

Appendix 3 - Participants List

Participant Role	Name, address, telephone	Email address	Membership confirmed	Term expires
Steward of TPFF	Ms Julie E. ALIAGA Program Director, International Standards Animal and Plant Health Inspection Service U.S. Department of Agriculture 4700 River Road, Unit 140 Riverdale, MD 20737 USA Tel: +1 301 851-2032 Fax: +1 301 734 7639	Julie.E.Aliaga@aphis.usda.gov;	NA	NA
Member	Ms Mary BAHDOSHEH Minister Consultant for Plant Health Ministry of Agriculture P.O. Box 2099/961044 Amman JORDAN Tel: +962 6 568 6151 Ext. 458, +962 799 059630 Fax: +962 6 568 6310	mary.bahdousheh@moa.gov.jo; bahdousheh_m@yahoo.com;	2008 (CPM-3)	2013
Member	Mr Robert DUTHIE Plant health consultant Bellingen, NSW 2454 AUSTRALIA Tel: +61422905787, +61266551843	rob.duthie@kalang.com.au;	2008 (CPM-3)	2013
Steward for Draft ISPM	Mr Jaime GONZALEZ (Technical steward for draft Annex X for ISPM 26 <i>Establishment and maintenance of fruit fly regulated areas in the event of outbreak detection in pest free areas for fruit flies</i>) Division de Asuntos Internacionales Servicio Agrícola y Ganadero Av. Bulnes 140, Santiago CHILE Tel: (+56) 2 345 1587 Fax: (+56) 2 345 1578	jaime.gonzalez@sag.gob.cl;	2008 (CPM-3)	2013

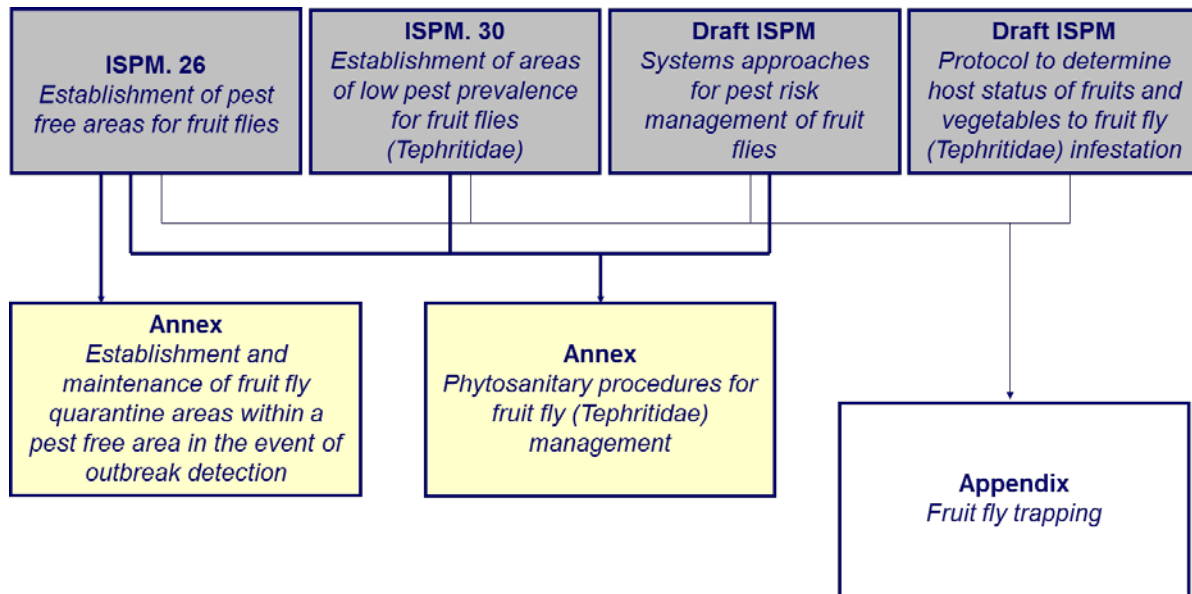
Participant Role	Name, address, telephone	Email address	Membership confirmed	Term expires
Member	Mr Aldo MALAVASI Director Brazilian Medfly Facility Quadra D 13, Lote 15 Juazeiro, Bahia 48.900-00 BRAZIL Tel: +55 74 3612 5399 Fax: +55 74 3612 5118	malavasi@moscamed.org.br;	2008 (CPM-3)	2013
Member	Mr Rui Cardoso PEREIRA (steward for <i>Protocol to determine host status of fruits and vegetables to fruit fly infestations (Tephritidae)</i>) Joint FAO/IAEA Division IPCS/NAFA Wagramerstrasse 5 P.O. Box 100 A-1400 Vienna AUSTRIA Tel: +43 (1) 2600 26077	r.cardoso-pereira@iaea.org;	2008 (CPM-3)	2013
Steward for Draft ISPM	Mr Jan Bart ROSSEL (Lead steward for draft Annex X for ISPM 26 <i>Establishment and maintenance of fruit fly regulated areas in the event of outbreak detection in pest free areas for fruit flies</i>) International Capacity Building & Plant Health Surveillance Program Office of the Chief Plant Protection Officer, Biosecurity Services Group Australian Government Department of Agriculture, Fisheries and Forestry Canberra AUSTRALIA Tel: +61 2 6272 5056 Fax: +61 2 6272 5835	bart.rossel@aqis.gov.au; bart.rossel@daff.gov.au;	NA	NA
Member	Mr Keng Hong TAN 20, Jalan Tan Jit Seng Hillside Tanjong, Bungah 11200 Penang, MALAYSIA Tel: +60 4 890 5737	tan.kenghong@yahoo.com; khtan@phi-biotech.com;	2008 (CPM-3)	2013

Participant Role	Name, address, telephone	Email address	Membership confirmed	Term expires
Member	Mr Kenji TSURUTA Head, Pest Identification and Diagnostics Division Yokohama Plant Protection Station Ministry of Agriculture, Forestry and Fisheries 1-16-10 Shin-yamashita, Naka-ku Yokohama, Kanagawa JAPAN Tel: +81 78 331 1026 Fax: +81 78 391 1757	tsurutak@pps.maff.go.jp;	2008 (CPM-3)	2013
Member	Ms Alies VAN SAUERS- MULLER National Coordinator National Program for the Carambola Fruit Fly Agricultural Experiment Station Letitia Vriesdelaan 8 Paramaribo SURINAME Tel: +597 425 632 or +597 886 3814 Fax: +597 475 919	cffsur@sr.net; aliesmuller@yahoo.com;	2008 (CPM-3)	2013
Member	Mr Jan Hendrik VENTER Assistant Director, Early Warning Systems Directorate Plant Health Department of Agriculture, Forestry and Fisheries (DAFF) Private Bag 14 Pretoria, 0031 SOUTH AFRICA Tel: +27 12 319 6384 Fax: +27 12 319 6025	janhendrikv@nda.agric.za; byjhventer@gmail.com;	2008 (CPM-3)	2013
Member	Mr José Luis ZAVALA LÓPEZ Mediterranean Fruit Fly Programme Sub Director Avenida Central Poniente #14, Altos 1, Edificio Soconusco Col. Centro, Tapachula, Chiapas CP 30700 MEXICO Tel: +52 962 625 1374 Fax: +52 962 625 0802	joseluiszavalalopez@yahoo.com.mx;	2008 (CPM-3)	2013

Participant Role	Name, address, telephone	Email address	Membership confirmed	Term expires
Invited Expert	Mr Kevin M. HOFFMAN State Entomologist California Department of Food and Agriculture Pest Detection/Emergency Projects 1220 N Street, Rm. 315 Sacramento, California 95814 USA Tel: +1 916 654 1211 Mob: +1 916 715 2080 Fax: +1 916 654 0555	kevin.hoffman@cdfa.ca.gov;	NA	NA
Host Representative	Maria Julia Signoretti GODOY Ministry of Agriculture, Livestock and Food Supply (MAPA), SHIN/CA 8, Brasilia,71503503 Brazil Tel: +55 61 9970 4179, +55 61 3218-2903 or 2703	julia.godoy@agricultura.gov.br;	NA	NA
Organizer Representative	Marco Antônio ARAÚJO de ALENCAR Coordinator for International Phytosanitary Matters Department of Sanitary and Phytosanitary Negotiations - DNSF/SRI Ministry of Agriculture, Livestock and Food Supply BRAZIL Tel: +55 61 3218-2416 / 2308	marco.alencar@agricultura.gov.br;	NA	NA
IPPC Secretariat	Ms Stephanie DUBON International Plant Protection Convention Food and Agriculture Organization of the United Nations Viale delle Terme di Caracalla 00153 Rome ITALY Tel: +39 06 5705 3806	Stephanie.Dubon@fao.org;	NA	NA

Appendix 4 - Layout of the collection of fruit fly ISPMs

Below is the latest version of the layout of the collection of fruit fly ISPMs, noted at the 2011 August TPFF meeting.



Appendix 5 - 2011-2012 TPFF work programme

2011		
September	3	Secretariat will submit the 2011 August TPFF meeting report to the TPFF for review
	15	TPFF will submit comments on draft annex <i>Establishment of fruit fly quarantine areas within a pest free area in the event of an outbreak (2009-007)</i> to stewards
	16	TPFF will submit comments on 2011 August TPFF meeting report to the Secretariat
	20	Steward will submit draft ISPM <i>Protocol to determine host status of fruits and vegetables to fruit fly infestations (Tephritidae) (2006-031)</i> to TPFF with responses to comments from SC
	23	Rapporteur, in collaboration with the Secretariat, will finalize the 2011 August TPFF meeting report
October	1	Stewards will submit the draft annex <i>Establishment of fruit fly quarantine areas within a pest free area in the event of an outbreak (2009-007)</i> to Secretariat for review at the 2012 May SC meeting Secretariat will post the final 2011 August TPFF meeting report on the IPP
	10	TPFF will submit comments on draft ISPM <i>Protocol to determine host status of fruits and vegetables to fruit fly infestations (Tephritidae) (2006-031)</i> to steward
	15	Steward will submit draft ISPM <i>Protocol to determine host status of fruits and vegetables to fruit fly infestations (Tephritidae) (2006-031)</i> to SC working group for a one-month review
November	1	TPFF will submit comments on draft ISPM <i>Systems approaches for pest risk management of fruit flies (2004-022)</i> to the steward Ms Magda Gonzalez-Arroyo (mgonzalez@sfe.go.cr) before the 2011 November SC meeting
December	1	Steward will submit draft ISPM <i>Protocol to determine host status of fruits and vegetables to fruit fly infestations (Tephritidae) (2006-031)</i> to Secretariat for review at the 2012 May SC meeting