



**Regional workshop for the review of draft International Standards for Phytosanitary Measures  
ASIA  
Busan, Republic of Korea  
19-23 September, 2011**

**Report**



**1. Opening of the session**

The meeting was opened by Mr Tae-Woong Hur, Director General, Department of Plant Quarantine, Quarantine and Inspection Agency, Republic of Korea.

Dr Piao Yongfan gave an opening address, welcomed the participants on behalf of FAO. He thanked the government of the Republic of Korea for again financially and administratively supporting the regional meeting on draft standards. Dr Piao noted the introduction this year of the online system for contributing comments to the IPPC. He welcomed participants to use this system.

Dr Piao wished the participants and enjoyable stay in Busan and a successful meeting. He thanked Mr Jeong and Dr Yim and their staff for all the preparation for this meeting.

Mr Hur welcomed participants to the meeting in Busan. He mentioned the difficulties with climate change, the increased movement of goods and people that presented risks for quarantine agencies. Mr Hur requested that members of APPPC continue their input into the development of ISPMs. He wished participants an enjoyable stay in the Republic of Korea.

**2. Meeting participants**

Mr Jeong introduced the other QIA staff present including Mr Dea-Geun Kim, Director General, Young-nam Regional office, Mr Chul-Goo Gang, Director of Plant Quarantine, Young-nam

Regional office, and Mr Hyun-Kwan Shin Director of Export Management, Department of Plant Quarantine, and QIA.

The meeting was attended by twenty-eight experts from seventeen countries and was facilitated by Dr Piao Yongfan (FAO), Mr M. Sakamura, Dr A. Dikin and Dr J. Hedley. See Appendix 1.

### **3. Introductory papers**

#### **Quarantine and Inspection Agency (QIA) activities**

Mr Jeong introduced the work of this new agency. This agency is formed from the fusion of plant, animal and fisheries quarantine departments. This agency will allow greater flexibility in managing quarantine problems. The main purposes are dealing with quarantine and inspection duties. Mr Jeong described the organisation of the agency with five sections – Livestock Products Safety, Animal disease control, Plant quarantine, Fishery Quarantine and Research and Development.

Mr Jeong discussed the revision of the Plant Protection Act. He noted their work on pest monitoring and control activity, the treatments of WPM and the International Plant Quarantine Accreditation Board for ship and container inspection. He mentioned the products that have recently been granted market access into Korea.

A number of international cooperation projects were described.

#### **Introduction by Dr Yim**

Dr Yim noted that the workshop is co-sponsored by Japan. The workshop is increasing in size each year. Dr Yim introduced the area to new participants saying that Busan was the largest port in Korea and the second largest city.

#### **Update of the IPPC**

Dr J.Hedley provided a short update on the activities of the IPPC.

### **4. Adoption of the agenda**

The agenda was discussed and adopted (Appendix 2). Mr Young-Chul Jeong, Korea was elected as chair of the meeting with Ms H.S.Park, Ms Joan-May Mozo, Ms I. K. Kim and Dr J. Hedley acting as rapporteurs.

### **5. Review of documents and discussion on draft ISPMs**

The following seven draft standards were reviewed and comments were recorded. The drafts were introduced and the subsequent discussions chaired by the Standards Committee members present, Mr M Sakamura, Dr A. Dikin and Dr J. Hedley.

Participants were reminded to follow the *Instructions for the Use of the Template* which is in the on line comment system (OCS) from the IPP.

The following sections include most of the discussion points for each of the draft ISPMs reviewed. Many of the suggestions for editorial changes are not included. Readers should refer to the record of the Online Comment system for all the APPPC agreed comments.

#### **5.1 DRAFT annex to ISPM11:2004. *Pest risk analysis for plants as quarantine pest* and consequential changes in core text of ISPM 11: 2004**

This draft was introduced by Mr Sakamura using the IPPC Power Point presentation. He noted the important change in the use of terminology in regards to “plants as pests”.

In the general area, it was suggested that the draft should include mention of the benefits of plants which might be used for medicinal purposes but which are known as weeds. The benefits and risks should both be fully discussed. Weed contaminants included in feed grain was noted as a particular problem.

Para 10 - more specific language on the importance and difference of plants as pests was proposed by Korea.

“The import of plant material may involve two types of risk. The plant material itself may be a pest, including invasive alien species, or the plant may be infested with plant pests. In the instance of a plant possibly being a pest, a country, while assessing the possible pest status of a plant, will also have to evaluate the benefits associated with the import. These could involve a range of issues from food benefits, to the environmental or cultural significance of the plant to the population or part of the population of the country.

Where there are the two types of risk involved, the risk associated with the plant as a pest may be assessed first. Following this would be the assessment of the risk of plant pest carried by plant material. This will include the assessment of all other pests such as insects, mites, and pathogens. This annex provides guidance...”

Para 13 ... it was suggested that there be an addition on toxins and the effect on biodiversity .... New area was suggested as “PRA area”

Para 20 ... 6<sup>th</sup> line – remove “clearly” – as this is a matter of opinion.  
4<sup>th</sup> line add “high reproduction rate” as one of the attributes.

Para 27 China suggested the addition of ...At the same time, NPPO of the importing country may carry out surveillance programme.

Korea proposed -  
Therefore wide range of information collection and expert's judgement are required to determine the presence in the PRA area especially for plants. Both points were agreed to.

Para 31 dashpoint 2 ....a number of examples were suggested – botanical garden, golf course, land reclamations, cover crops ....

Para 43 2<sup>nd</sup> line ....add drought, stress etc

Para 45

Add – plants competitive ability competitive effect – plant influence on neighbour growth; competitive response – plant growth as a function of a neighbour

para 66 change post-import to post-entry

An addition was suggested - In case there is evidence that the plant imported becomes a pest, necessary measures will be taken by the NPPO.

Para 113 2<sup>nd</sup> line ...plants as pests. Suggested changes included:

Pests may be parasitic weeds

Pests may be disease causing plants

### **Proposed changes to the core text**

A number of points were discussed but no changes were proposed.

### **5.2 DRAFT revision of Annex 1 of ISPM 15: 2009. *approved treatments associated with wood packaging material***

Power point display of the draft ISPM was presented by Dr Dikin who also led the discussions.

The meeting noted the title “associated with WPM” and not “for WPM” and asked for the reason for this.

The participants discussed the debarking question for heat treatment – and when this should be done. No suggestions for amendment were made.

Para 12 – as the last sentence as this might not be the coldest part, “generally” was added. The reason related to the water content of the wood might not always be so that the surface was the driest area.

Para 14 Suggested amendments included ...is to achieve a minimum core temperature of 56 for a minimum duration of 30 continuous minutes ... delete the remainder

Para 15 suggested to remove .. throughout the entire profile of the wood is achieved.

Para 16 add “ Treatment providers shall be approved by the NPPO.” As a first sentence..

Para 17 4 Add .....Airflow from fans must be sufficient to ensure the core of the wood is maintained at the specified core temperature for the required duration

Para 17. 5 Suggested amendments include...The location likely to be the coldest within the chamber is identified and temperature sensors placed at this location.

And..... for temperature sensors placed in the sample wood should be sealed (with wood or silicon) at this location.

Para 17 .6 suggested to have ... more than one temperature sensor is recommended.

Para 17.8 More than one temperature sensor is recommended in the chambers .....

Para 17.9 .....should be calibrated by the NPPO or its accredited agency.

### **Heat Treatment using a dielectric heat chamber**

Para 20 ..... composed of wood less than 20 cm in cross section when measured across the smallest dimension of the piece ...

This needs further discussion as possibly wood thicker than 20cm may be used with stronger facilities.

Para 22 .. Added - Treatment provider shall be approved by the NPPO.

Para 23 1. change estimate to monitor

### **Methyl bromide treatment**

Para 26 line 4 delete example of 1-2 hrs ... not necessary.

Para 29 ...minimum final concentration....i.e. add minimum to be consistent with the table.  
change ...allowed ...to permitted.

Participants discussed Tables 1 and 2 ... noting that Table 2 was an example of how to achieve the correct CT level.

Para 34 5. There was discussion to change to The use of a vaporiser to apply methyl bromide (“hot gassing”)is essential in order to full volatilize the fumigant prior to its entry into the fumigation enclosure. This was not agreed to.

Para 34. 7. Change to The concentration of the methyl bromide is always measured at locations that will represent the fumigation enclosure.....and the remainder would be deleted.

Para 34. 12 ....add... NPPO or its accredited agency.

### **5.3 DRAFT annex to ISPM 27:2006 *Trogoderma granarium***

The Power point display of the draft ISPM was presented by Mr Sakamura who also led the discussions.

Pest information

Japan suggests to add figures for larval and adult stages.

Para 7 It was suggested to remove reference to United States and Mexico.

Identification

Use of italics should be consistent ... where normal font is used under italic headings.

Para 84 discuss three species .. the Chinese experts think this is too few to help. More species should be added.

Detail on taxonomic matters not included.

Para 134 .. extra mm deleted.

It was suggested that the diagrams have scales attached.

Para 160 .. should note whether diagram is of male or female

It is noted in the OCS - Figures are very helpful in correct and rapid identification in both larval and adult stages. As there are many characters difficult to use in the identification without their figures, the following with morphological terms should be added;-habitus of adults: see Peacock, E.R., 1993. P83-habitus of larvae: see Peacock, E.R. 1993. P121-patterns of elytra: see Beal, R.S. 1954. P39-position of hastisetae: see Peacock, E.R. 1993. P122-antennae of larvae: see Peacock, E.R. 1993. P138Also, please put scales to know the actual size of the figures

### **5.4 DRAFT Annex to ISPM 28: 2007. *Vapour heat treatment of Cucumis melo var. reticulata for Bactrocera cucurbitae* (201-)**

The Power point display of the draft ISPM was presented by Mr Sakamura who also led the discussions.

The VH treatment was tested only with this one product with the one pest. This is schedule is difficult to extrapolate to other fruits and pests as the VH treatment is sensitive to each pest and fruit.

China suggested that this receive verification tests in other parts of the world.

The water content of the wood is an important factor. There was discussion on which is the colder part of the wood – the interior could be dry and hence the coldest part.

Para 15 – it was noted that the pre-heating may take longer than indicated in the draft treatment. This should be up to 8 hrs.

Para 16 add core (placenta). It was suggested that para 16 was redundant. And that “Then expose the melon at 46 degrees C for 30 minutes” could be added to para 15.

Para 19 - It was suggested that a monitoring interval be inserted.

An addition was suggested – If the core temperature exceeds 47 degrees C damage may occur to the flesh

### **5.5 DRAFT Annex to ISPM 28: 2007. Heat treatment of wood packaging material using dielectric heat (201-)**

The Power point display of the draft ISPM was presented by Dr Dikin who also led the discussions.

The group felt that some explanation of the use of two target pests needed more explanation. This may be forthcoming when the criteria for treatment annex is available – but till that time some explanation should be available.

It was stated that it is difficult to put a sensor on the surface when movement can occur during the treatment?? This was disputed – it is not like a home microwave. This is also an expensive facility. Experience has shown that some parts of a consignment can be burnt and other parts cold. It was stated that this is not yet used in widespread commercial practice.

This draft could benefit with some information on the power source eg 3Kw ... and use a calibration table. This sort of table is required.

The relationship of this standard with the criteria for treatments as prescribed in ISPM 15 was discussed.

The measurement of temperatures on moving material was questioned ... the panel would be asked about this.

The matter of the 20cm cross-section was discussed – is this a matter of efficacy of the treatment or a matter of convenience.

Para 17 add – The dielectric treatment provider must be approved by the NPPO.

Para 18 Temperature sensors including ... or its accredited agency.

Para 19 add additional information on monitoring could be added to this section ...

Para 20 ... add ... the coldest part of the wood is generally the surface..

## **5.6 DRAFT revision of Supplement no. 1. *Guidelines on the interpretation and application of the concept of official control for regulated pests (Not widely distributed) of ISPM 5: Glossary of phytosanitary terms***

This Power point display was of the draft revision was introduced by Dr Hedley. A number of editorial corrections were made.

The situation with Citrus canker in Korea was discussed. Other countries commented that the use of “not widely distributed” depends on the policy of the government as well. One country suggested that there be a definition supplied. The SC and TPG viewpoint, that the additions to the supplement were aimed at providing a more useful understanding of the term than a short definition, was explained.

## **5.7 DRAFT amendments to ISPM 5; *Glossary of phytosanitary terms***

The Power point display was of the draft revision was introduced by Dr Hedley.

There was some discussion on the difference between confinement and containment. It was noted that confinement referred to a regulated article being kept in a place or area where as containment generally referred to a pest being kept within an area.

Some participants preferred the retention of the old definition for consignment in transit.

The term phytosanitary certificate was discussed. One county would have liked the fact that NPPOs were delegated the responsibility of issuing PCs to be made clearer. The use of official was noted and this was sufficient for most countries. With phytosanitary certificate, the use of the word “attesting” was questioned. It was felt this was difficult to understand although it has been used in the definition of certificate since 1990. Other words such as “declaring” or “verifying” were suggested.

Hitch-hiker pest ...it was suggested that this concept be retained even though the term is not used in ISPMs. A definition was requested. The particular characteristics of this type of contaminating pest – that it moving between areas, that it is not necessarily a usual pathway, that the carrier is not a host to the pest – were noted.

One country suggested that antagonist and control point should be retained. Another participant felt that dosimeter and dissymmetry should be retained.

## **5.8 Addition of explanatory remarks**

The participants went back through the comments submitted for each draft and added explanatory remarks on the OCS (not including editorial comments). A set of regional comments on draft ISPMs see appendix3.

## **5.9 Notes on the June Bureau meeting**

Dr Hedley presented some notes on various matters of importance that were discussed at the June Bureau meeting.

## **5.10 Notes on APPPC matters**

Dr Piao presented information on various APPPC activities including updates on the development and work plan for next biennium which was adopted by the 27<sup>th</sup> Session as advance information to participants for potential active involvements and support.

## **6. Visit of Commissioner**

Dr Yong Ho Park, Commissioner of the Animal, Plant and Fisheries Quarantine and Inspection Agency of the Republic of Korea briefly visited the meeting. He gave a short address noting the importance of the integration of the components of the agency to provide an effective biosecurity department and emphasizing the need for efficient systems to deal with new pests and outbreaks. Dr Piao responded mentioning the relevance of the IPPC in the international sanitary and phytosanitary negotiations and developments. Dr Piao thanked Dr Park for travelling to Busan to meet the participants of the regional workshop.

## **7. Other business**

### **7.1 Practical exercise with the OCS using three country case studies**

Malaysia provided examples of text incorporation into national OCS presentations from the APPPC comments summary. China noted difficulty in uploading figures or references to the system. Also, it was not possible to highlight or colour text. Cambodia mentioned the need to practice with the system to be able to effectively use it.

Laos illustrated the operation of the facility the sharing of comments between countries.

Vietnam suggested that more than one person per country have an official password to be able to use the system.

### **7.2 Participant survey**

The survey form (provided by the IPPC Secretariat) was filled in by participants on line. Another review/comment form was also filled and submits to the QIA, Korea.

### **7.3 Implementation survey**

At the other business agenda, Dr Yim described the implementation survey of the APPPC regarding ISPM 15. She asked those country members of countries that have not answered the survey questionnaire to do this at the meeting. The situation where the mark was not registered in a country was discussed. Laos and Cambodia described the situation in their countries. The issue of registration will be followed up by the working group.

### **7.4 The proposed programme on surveillance systems**

Dr Hedley introduced the subject and went through the draft programmes prepared by the APPPC and that prepared by Mr Orlando Sosa of the IPPC Secretariat.

It was noted by Dr Piao that there is need for the programme be well prepared, that the schedule as proposed by Mr Sosa should be delayed as the next few months are already fully occupied. It was pointed out that the ideal situation, if funds were unlimited, might include an investigatory phase (with regional meetings to identify problems), then a conference to try to answer the questions and deal with the problems, followed by a training phase which would include the development of training material followed by a number of training workshops.



Another suggestion might be that an awareness raising conference/symposium be conducted be held first. This could include the description of country systems and the current problems which would be followed by discussions of new techniques and suggestions for country surveillance systems. This symposium/conference could be followed by in-country workshops. Some participants expressed the opinion that either programme might be satisfactory.

The APPPC is suggesting that the programme as suggested by the IPPC Secretariat be adopted - with some modifications to be considered. It is proposed that:

- regional meetings be held to identify and investigate the problems with surveillance in the regions. The material for these meetings, including the questionnaires should be carefully prepared and include policy development, technical methodology and financial resourcing.
- An international symposium be planned based on the results of the regional meetings (i.e. including the identified problems). This should provide discussion for topics in the three areas and some new ideas being proposed as solutions.
- Training material should be developed from the results of the symposium
- Training session should be conducted regionally.

The programme should raise awareness of the need for adequate national surveillance systems, create commitment for the development of programmes and develop new ideas for NPPOs to test in their countries. The longer nature of the programme will mean that some aspects would be delayed – compared to the initial proposed programme for the APPPC. One participant noted that surveillance is a complicated subject and that any study or work in this area should attempt to cover not only technical methodology but also policy matter (including regulatory aspects).

This matter will be further discussed with Mr Orlando Sosa of the IPPC Secretariat.

#### **8. Date and location of the next meeting (September 10-14, 2012)**

The participants agreed that next year's meeting should be held in Korea. The QIA and APPPC would be requested to organize the meeting.

#### **9. Close**

A number of countries made remarks on the meeting thanking the organisers for their efforts. Closing remarks were given by Dr Piao, FAO. Participants were thanked for their valuable contributions and encouraged to coordinate the submission of national country comments to the Secretariat. Dr Piao noted that participants were well prepared for this meeting. He noted that the OCS system will affect coordination and sharing of information in the future.

Mr Shin, Mr Jeong, Mr Sakamura, Dr Dikin, and Dr Hedley were also thanked for their special contributions. The Governments of Korea and Japan were thanked for the financial support that made the workshop possible.

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## Provisional Agenda

## Monday

8:30-8:55 am      **Registration**

9.00 – 9.20 am      **Opening Session:**  
 - Welcome address by Republic of Korea  
 - Opening address by FAO  
 - Local and logistical information (QIA, Korea)

9.20 – 10.00 am      **Presentation**  
 - Update IPPC business  
 - **QIA activity**

9:50-10:00      - **Group photo**

10.00 – 10:30 am      **Coffee break**

10:30 – 10:40 am      **Discussion Session**  
 - Election of chair  
 - Election of rapporteur  
 - Adoption of agenda

10:40 – 12:30 pm      Review on Draft 1- Draft annex 4 to ISPM 11:2004. *Pest risk analysis for plants as quarantine pest* and consequential changes in core text of ISPM 11:200

12:30 – 2:00 pm      **Lunch break**

2:00 – 3:30 pm      Continuation on the draft 1

3:30 – 4:00 pm      **Coffee break**

4:00 – 5:30 pm      Review on Draft 2- Draft revision to Annex 1 of ISPM 15:2009. *Approved treatments associated with wood packaging material*

6:30 – 8:30 pm      **Welcome dinner**

## Tuesday

8.30 – 10.30 am      Continuation on the draft 2

10.30 – 11:00 am      **Coffee break**

11:00 – 12:30 pm      Continuation of the review on the draft2

12:30 – 2:00 pm      **Lunch break**

<b>2:00 – 3:30pm</b>	Review on Draft 3- Draft Annex to ISPM 27:2006: <i>Trogoderma granarium</i>
<b>3:30 – 4:00 pm</b>	<b>Coffee break</b>
<b>4:00 – 5:30 pm</b>	Continuation of the review on the draft 3

### Wednesday

<b>8.30 – 10.30 am</b>	Review on Draft 4- Draft Annex to ISPM 28:2007. <i>Vapour heat treatment of Cucumis melo var. reticulatus for Bactrocera cucurbitae</i> (201-)
<b>10.30 – 11:00 am</b>	<b>Coffee break</b>
11:00 – 12:30 pm	Review on Draft 5- Draft Annex to ISPM 28:2007. Heat treatment of wood packaging material using dielectric heat (20--)
<b>12:30 – 2:00 pm</b>	<b>Lunch break</b>
2:00 – 3:30 pm	Continuation of review on draft 5
<b>3:30 – 4:00 pm</b>	<b>Coffee break</b>
<b>4:00 – 5:30 pm</b>	Review on Draft 6- Draft revision to Supplement no. 1. <i>Guidelines on the interpretation and application of the concept of official control for regulated pests</i> (Not widely distributed) of ISPM 5. <i>Glossary of phytosanitary terms</i>

### Thursday

Field trip (details will be announced during the meeting)

### Friday

<b>8.30 – 10.30 am</b>	Continuation of review on draft 6
<b>10.30 – 11:00 am</b>	<b>Coffee break</b>
<b>11:00-12:30pm</b>	Review on Draft 7- Amendments to ISPM 5. <i>Glossary of phytosanitary terms</i>
<b>12:30 – 2:00 pm</b>	<b>Lunch break</b>
<b>2:00pm-3:30pm</b>	<b>Any other business</b> <ul style="list-style-type: none"> <li>- APPPC update</li> <li>- On-line participant survey</li> <li>- Feedback on questionnaires on implementation of ISPM15</li> <li>- APPPC workshop on diagnostics in cooperation with IPPC Secretariat</li> <li>- Tentative date and venue for the 2012 consultation on draft ISPMs</li> <li>- Report preparation</li> </ul>
<b>3:30 – 4:00 pm</b>	<b>Coffee break</b>
<b>4:00 – 4:30 pm</b>	Closure of the meeting

(See separated zip files)