# COMMISSION ON PHYTOSANITARY MEASURES

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| **Fourteenth Session** |
| **Rome, 1-5 April 2019** |
| **Framework for standards and implementation** |
| **Agenda item 9.3** |
| **Prepared by the IPPC Secretariat** |

## I.      Background

1.      The CPM-11(2016) agreed[1] that the Framework for Standards and Implementation is updated and maintained by the Secretariat, with responsibility for review and amendment resting jointly with the Standards Committee (SC) and Implementation and Capacity Development Committee (IC) and reviewed by the Strategic Planning Group (SPG). It was also agreed that the updated framework is presented annually to the CPM for endorsement.

2.      In 2017, the SPG suggested that the structure of the document still needed some improvements. The SC and IC nominated Framework champions, who were tasked with reviewing the current framework and revising its structure in order to improve its readability and usability.

3.      The Framework for Standards and Implementation updated by the SC and IC in 2018 was reviewed by the SPG 2018. At the SPG 2018, it was suggested to add a summary to explain the objectives and structure of the Framework. This has been included together with a legend to help in the understanding of the document. For the best understanding of the Framework, it should be viewed or printed in color.

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1 CPM-11 (2016) Report: https://www.ippc.int/en/publications/82487/, Framework for Standards and Implementation webpage: https://www.ippc.int/en/core-activities/standards-and-implementation/ippc-framework-for-standards-and-implementation/

4.      It should be noted, however, that the Framework champions are currently working on developing a revised structure for the Framework.

5.      The CPM is invited to:

1)  *endorse* the updated Framework for Standards and Implementation as presented in Annex 1 of this paper.

Annex 1
FRAMEWORK FOR STANDARDS AND IMPLEMENTATION UPDATED BY SC AND IC IN 2018

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| **Framework for Standards and Implementation**<br>**Endorsed by CPM-13 (2018); Updated by SC May 2018 and IC May 2018**<br>**Reviewed by SPG October 2018** |

**Summary of the Framework for Standards and Implementation**
**1. What is the Framework for Standards and Implementation?**
The Framework for Standards and Implementation is a database of existing or proposed standards and tools for implementation in the context of the core provisions of the Convention in order to enable the identification of gaps as guidance for the development of standards and implementation materials to support implementation of the Convention, standards and CPM recommendations.

**2. Objective of the Framework**
The Framework provides transparency of existing or proposed standards and tools for implementation and helps identify gaps capturing the CPM priorities in order to guide inclusion of submitted topics into the IPPC work programme.

**3. Structure of the Framework**
The Framework covers eight IPPC strategic work areas:
- General
- General Rights and Obligations
- Principles and Policies (Interpretation of the Convention)
- Pest Status
- Pest Risk Analysis
- Pest Management
- Phytosanitary Import & Export Regulatory Systems
- Diagnostics

| **LEGEND** |
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| **FOR STANDARDS (left side of table):** |
| Red text: indicates gaps for new topics, new revisions to adopted ISPMs that are not already on the List of topics for IPPC standards. |
| Underlined text: indicates topics on the List of topics for IPPC standards for revisions to adopted ISPMs (topic number in brackets) |
| Bolded text: **indicates topics on the List of topics for IPPC standards for new ISPMs (topic number in brackets)** |
| Adopted ISPMs are listed with title and ISPM number. |
| ISPMs or proposed gaps that cover or should cover both conceptual issues and implementation issues in one standard are centered. |
| **FOR OTHER GUIDANCE MATERIALS (right side of table):** |
| Other guidance are in relevant columns: developed, under development and planned to be developed/needed. |

| | IPPC Area: GENERAL<br>IPPC Strategic Objectives (SOs): A3, A4, B1, B2, B3, D2, D4 | | | | |
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| | Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
|---|---|---|---|---|---|
| 1) | **Audit in the phytosanitary context (2015-014) (Priority 1)** | No gap. | Audit in the phytosanitary context | | |
| | | | | | Guide on Audit in the phytosanitary context |
| 2) | No gap. | No gap. | Organization and provision of information on technical resources | | |
| | | | Phytosanitary resource page (roster of experts, projects database, activities calendar, technical documents)<br><br>IPPC Capacity Development and Resources presentation<br><br>Advocacy fact sheet for phytosanitary page | Reorganization of the Phytosanitary resources page | |
| 3) | No gap. | No gap. | Cooperation with other Organizations e.g. environmental | | |
| | | | Memorandums of Understanding:<br><br>Ozone Secretariat, CBD; Partnership paper (CPM 9/2014/21).<br><br>Please Review: the new IPPC Online Comment System | IPPC-CBD joint work plan (2017-2018) | Sharing resources: ePhyto, evaluation tools |

| Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
|---|---|---|---|---|
| | | Training material for users on OCS<br><br>IRSS study: Analyzing the benefits of implementing the IPPC | | |
| **4)** No gap. | No gap. | Environmental protection and climate change e.g. surveillance of wild flora | | |
| | | Guide to implementation of phytosanitary standard in forestry;<br><br>e-learning: Trade in forest commodities and the role of phytosanitary measures<br><br>ICPM-7 decisions in relationship to Cooperation with the CBD: Treaty to biodiversity by IAS<br><br>CPM Recommendation CPM-3/2008 - Replacement or reduction of the use of methyl bromide as a phytosanitary measure<br><br>IRSS study: Aquatic Plants: Their Uses and Risks - A review of the global status of aquatic plants<br><br>CPM Recommendation Number: CPM-9/2014/01 - Recommendation on | GEF project scoping through the IPPC Resource Mobilization Task Force (RMTF) | Protocol for alternative treatments for MB |

| Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
|---|---|---|---|---|
| | | the IPPC Coverage of Aquatic Plants | | |
| **5)** No gap. | No gap. | International cooperation among NPPOs | | |
| | | Manual on managing relationships with stakeholders | | Cooperation on pest diagnostics among NPPOs. e.g.: training, guides, videos<br><br>Mentoring on specific issues: PRA, risk based inspection, etc.<br><br>Roster of experts<br><br>High level symposium One Belt One Road |
| **6)** No gap. | No gap. | How standards relate to and impact on key topics (e.g. Market access, IAS, climate change) | | |
| | | Market Access - a guide to phytosanitary issues for national plant protection organizations<br><br>PRA materials | Market access training materials<br><br>Market access online learning modules | Awareness raising and advocacy documents<br><br>Case studies on concrete relationships between Standards and key topics, measuring impacts<br><br>Desk studies and methodologies to estimate impact of Standard implementation |

| | Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
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| **7)** | No gap. | No gap. | Advocacy for NPPO resource mobilization | | |
| | | | PCE factsheet<br><br>Manual on Establishing an NPPO<br><br>Manual on Operation of an NPPO | | Guide for Advocacy and gaining political support<br><br>Strategies and policies for implementation of PCE tool<br><br>PCE modernization of tool |

| IPPC GENERAL RIGHTS AND OBLIGATIONS<br>IPPC SOs: A1, A2, B2, B3, B4, C3, D3, Y4 | | | | |
|---|---|---|---|---|
| Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
| **8)** Elements of an effective NPPO e.g. training, engagement of stakeholders, competency (Priority 1) | No gap. | Elements of an effective NPPO e.g. training, engagement of stakeholders, competency. | | |
| | | Manual on Establishing an NPPO<br><br>Manual on Operation of an NPPO<br><br>Manual on managing relationships with stakeholders<br><br>Manual of good practices for CPM participation<br><br>NPPO establishment training kit<br><br>NPPO operations training kit<br><br>IPPC Introduction presentation<br><br>PCE tool;<br><br>Explanatory document (2005) on ISPM 20 *(Guidelines for a phytosanitary import regulatory system)* (includes appendix on rights, roles & responsibilities in relation to the IPPC, ISPMs and SPS) | NRO e-learning (to be released)<br><br>NRO UPDATE newsletter<br><br>NRO Workshops and training materials | Strategies and policies for implementation of PCE tool<br><br>PCE modernization of tool<br><br>Strategy, policies and process for the development of IPPC guides and training materials<br><br>Plant Health train the trainer workshops |

| Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
|---|---|---|---|---|
| | | IPPC Guide to Resource Mobilization: Promoting contracting party partnerships | | |
| | | IRSS study: The Biosecurity approach: A review and evaluation of its application by FAO, internationally and in various countries | | |
| | | Training materials for PCE facilitator | | |
| | | Preparing a national phytosanitary Capacity Development Strategy - A Phytosanitary Capacity Development Training Tool For NPPOs | | |
| | | e-Learning: Introduction to the IPPC | | |
| | | NRO Procedures | | |
| | | NRO Guide | | |
| | | 4 NRO leaflets (Benefits of reporting, Consequences of not reporting, Official Contact Points: advantages & consequences and Networking) and 13 NRO factsheets | | |
| | | NRO quality guidelines | | |

| Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
|---|---|---|---|---|
| | | NRO lists | | |
| | | NRO e-learning (to be released) | | |
| | | NRO UPDATE newsletter | | |
| | | NRO Workshops and training materials | | |
| **9)** Revision: Pest reporting (ISPM 17) (Priority 2) | | National Reporting Obligations | | |
| | | Explanatory document (2005) on ISPM 17:2005 (Pest reporting) | NRO e-learning (to be released) | |
| | | Explanatory document (2005) on ISPM 17 (Pest reporting) | NRO UPDATE newsletter | |
| | | NRO Procedures | NRO Workshops and training materials | |
| | | NRO Guide | | |
| | | 4 NRO leaflets (Benefits of reporting, Consequences of not reporting, Official Contact Points: advantages & consequences and Networking) and 13 NRO factsheets | | |
| | | NRO quality guidelines | | |
| | | NRO lists | | |
| | | NRO e-learning (to be released) | | |

| | Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
|---|---|---|---|---|---|
| | | | NRO UPDATE newsletter<br><br>NRO Workshops and training materials | | |
| **10)** | Revision: Guidelines on lists of regulated pests (ISPM 19) (Priority 2) | | Pest reporting | | |
| | | | NRO Procedures<br><br>NRO Guide<br><br>4 NRO leaflets (Benefits of reporting, Consequences of not reporting, Official Contact Points: advantages & consequences and Networking) and 13 NRO factsheets<br><br>NRO quality guidelines<br><br>NRO lists<br><br>NRO e-learning (to be released)<br><br>NRO UPDATE newsletter<br><br>NRO Workshops and training materials | NRO e-learning (to be released)<br><br>NRO UPDATE newsletter<br><br>NRO Workshops and training materials | Regulated pest lists clarification of terminology and its use in ISPM 19. |
| **11)** | Guidelines for the notification of non-compliance and emergency action (ISPM 13) | | Notification of non-compliance | | |
| | | | Model notification form - import verification manual | NRO e-learning (to be released)<br><br>NRO UPDATE newsletter | Guidance on tools for harmonized notification |

| | Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
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| | | | NRO Procedures<br><br>NRO Guide<br><br>4 NRO leaflets (Benefits of reporting, Consequences of not reporting, Official Contact Points: advantages & consequences and Networking) and 13 NRO factsheets<br><br>NRO quality guidelines<br><br>NRO lists<br><br>NRO e-learning (to be released)<br><br>NRO UPDATE newsletter<br><br>NRO Workshops and training materials | NRO Workshops and training materials | |
| 12) | National legislation requirements (Priority 4) | No gap. | Development of national phytosanitary legislation | | |
| | | | Guidelines for the revision of national phytosanitary legislation – FAO<br><br>Manual on Establishing an NPPO<br><br>Training kit on Establishing an NPPO<br><br>Manual on Operation of an NPPO | NRO e-learning (to be released)<br><br>NRO UPDATE newsletter<br><br>NRO Workshops and training materials | Case studies<br><br>Legal and policy frameworks of plant protection<br><br>Strategies and policies for implementation of PCE tool |

| Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
|---|---|---|---|---|
| | | Training kit on Operation of an NPPO | | PCE modernization of tool |
| | | PCE module on legislation | | |
| | | IRSS study: The Biosecurity approach: A review and evaluation of its application by FAO, internationally and in various countries | | |
| | | Training materials for PCE facilitator | | |
| | | NRO Procedures | | |
| | | NRO Guide | | |
| | | 4 NRO leaflets (Benefits of reporting, Consequences of not reporting, Official Contact Points: advantages & consequences and Networking) and 13 NRO factsheets | | |
| | | NRO quality guidelines | | |
| | | NRO lists | | |
| | | NRO e-learning (to be released) | | |
| | | NRO UPDATE newsletter | | |
| | | NRO Workshops and training materials | | |

| | Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
|---|---|---|---|---|---|
| **13)** | No gap. | No gap. | Elements of an effective RPPO e.g. training, engagement of stakeholders, competency | | |
| | | | Procedure for the recognition of new RPPOs - ICPM-4 (2002);<br><br>Role and functions of the RPPOs ICPM-5 (2003) Appendix XIX<br><br>Role and function of the RPPO adopted during CPM 12 (2017).<br><br>Recognition procedures for RPPOs to be reviewed and Procedure for de-recognizing the RPPOs | | |

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**IPPC Area: PRINCIPLES AND POLICIES (interpretation of the Convention)**
**IPPC SOs: B2, B3, C3, D1, D3**

| | Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
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| **14)** | Phytosanitary principles for the protection of plants and the application of phytosanitary measures in international trade (ISPM 1) | No gap. | Undue delay and prompt action | | |
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| | Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
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| **15)** | Glossary of phytosanitary terms (ISPM 5) | No gap. | Glossary | | |
| | Terminology of the Convention on Biological Diversity in relation to the Glossary of phytosanitary terms (ISPM 5 – Appendix 1) | | Annotated Glossary: Explanatory document (2013) on ISPM 5 *(The Glossary of phytosanitary terms)* | | |
| **16)** | **Efficacy of measures (2001-001) (Priority 4)** | No gap. | Efficacy of measures | | |
| | | | Beyond the compliance tool | | Studies on efficacy of measures (e.g. treatments for fruit flies) |
| **17)** | No gap. | Recognition of pest free areas and areas of low pest prevalence (ISPM 29). | Technical Justification including reliability of scientific information | | |
| | | | Plant pest surveillance manual | Guide on Pest Free Areas (PFA) | Guide on Suite of fruit fly standards (IAEA) |
| | | | | | Infographic (mini video) on Fruit Fly standards (IAEA) |
| | | | | | Global workshop on PFAs |
| | | | | | e-Learning on Pest Free Areas(PFA) |
| **18)** | Guidelines for the determination and recognition of equivalence of phytosanitary measures (ISPM 24) | | Equivalence of phytosanitary measures | | |
| | | | IRSS study - Review of the application of equivalence between phytosanitary measures used to manage pest risk in trade | | Studies on efficacy of measures (e.g. ; treatments for fruit flies) |

| | Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
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| | | | Beyond the compliance tool | | |
| 19) | **Authorization of entities other than national plant protection organizations to perform phytosanitary actions (2014-002)** (Priority 2) | No gap. | Supervision of authorized bodies, including procedures for examination and assessment of competencies | | |
| | | | Manual on establishment of an NPPO<br><br>Manual on operation of an NPPO operation | | Audit Guide |
| 20) | No gap. | No gap. | Appropriate level of protection | | |
| | | | | | |
| 21) | No gap. | No gap. | State of plant protection in the world | | |
| | | | CPM materials<br><br>The IPPC seminars<br><br>2016 Global emerging issues – a report of findings from the 2016 IPPC regional workshops questionnaire | Soil and plant health paper | Range of papers to be elaborated within the framework of IYPH<br><br>CPM papers<br><br>Wish list to communicate with others |

| IPPC Area: PEST STATUS<br>IPPC SOs: A1, A2, B1 | | | | |
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| | Concept standards - "what" | Implementation standards - "how" | Guidance: Developed | Under development | Planned/needed |
| **22)** | Revision of ISPM 8 Determination of pest status in an area (2009-005, Priority 1) | | NRO Procedures<br><br>NRO Guide<br><br>4 NRO leaflets (Benefits of reporting, Consequences of not reporting, Official Contact Points: advantages & consequences and Networking) and 13 NRO factsheets<br><br>NRO quality guidelines<br><br>NRO lists<br><br>NRO e-learning (to be released)<br><br>NRO UPDATE newsletter<br><br>NRO Workshops and training materials | Guide on Pest Status<br><br>NRO e-learning (to be released)<br><br>NRO UPDATE newsletter<br><br>NRO Workshops and training materials | |
| **23)** | <span style="color:red">Revision: Regulated non-quarantine pests: concept and application (ISPM 16), to broaden to pests and clarify the concepts related to quarantine pests, RNQP and pests of national concern (Priority 2)</span> | No gap. | Revision of ISPM 16 to broaden to pests and clarify the concepts related to quarantine pests, RNQP and pests of national concern : | | |
| | | | IPPC coverage of aquatic plants (CPM | | |

| | Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
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| | Guidelines on the interpretation and application of the concept of official control for regulated pests (ISPM 5 - Supplement 1) | | recommendation CPM-9/2014/01)<br><br>GMOs, Biosafety and Invasive Species: ICPM 3 (2001) decision<br><br>Plant pest surveillance manual | | |
| 24) | Host and non-host status (Priority 3) | Determination of host status of fruit to fruit flies (Tephritidae) (ISPM 37) | Host and non-host status | | |
| | | | | Guide on fruit fly phytosanitary procedures (IAEA) | Range of materials might be elaborated under the pilot implementation programme on surveillance |
| 25) | Surveillance (ISPM 6) | | | | |
| 26) | No gap. | Specific guidance on surveillance for a pest or a group of pests (Priority 3) | Guidance on surveillance for a pest or a group of pests. | | |
| | | | Plant pest surveillance manual<br><br>Factsheet on Xylella fastidiosa<br><br>Special topic session on Red Palm Weevil presentations posted on the phyto page with additional presentations related to surveillance<br><br>Factsheet on Invasive ants | Outputs of the implementation pilot on Surveillance (activities on three example pests)<br><br>Factsheet on fruit flies | Surveillance, case study on *Xylella fastidiosa*<br><br>Surveillance, case study on invasive ants<br><br>Surveillance, case study on fruit flies<br><br>Revision of Plant Pest surveillance Guide |

| | Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
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| **27)** | Revision of ISPM 4 Requirements for the establishment of pests free areas (2009-002) (Priority 4 )<br><br>Establishment of pest free areas for fruit flies (Tephritidae) (ISPM 26) | Guidance on PFA, PFPP and ALPP for a pest or a group of pests | | Guide on Pest Free Areas (PFA) | Global workshop on PFAs<br><br>Infographic (mini video) on Fruit Fly standards (IAEA)<br><br>e-Learning on Pest Free Areas(PFA) |
| **28)** | Requirements for the establishment of pest free places of production and pest free production sites (ISPM 10) | Guidance on PFA, PFPP and ALPP for a pest or a group of pests | | Manual on implementation of pest free areas and related phytosanitary improvement measures Guide on Pest Free Areas (PFA) | Global workshop on PFAs<br><br>Infographic (mini video) on Fruit Fly standards (IAEA)<br><br>e-Learning on Pest Free Areas(PFA) |
| **29)** | Requirements for the establishment of areas of low pest prevalence (ISPM 22) | Requirements for the establishment of areas of low pest prevalence | Plant pest surveillance manual | Guide on Pest Free Areas (PFA)<br><br>Guide on fruit fly phytosanitary procedures (IAEA) | |

| | Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
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| **30)** | No gap. | Specific guidance on PFA, PFPP and ALPP for a pest or a group of pests (Priority 4) | Requirements for the establishment of areas of low pest prevalence | | |
| | | Establishment of areas of low pest prevalence for fruit flies (ISPM 30)<br><br>Control measures for an outbreak within a fruit fly-pest free area (ISPM 26 - Annex 2) | Plant pest surveillance manual | Guide on Pest Free Areas (PFA)<br><br>Guide on fruit fly phytosanitary procedures (IAEA) | Range of materials could be elaborated under the pilot implementation on surveillance |

| | | IPPC Area: PEST RISK ANALYSIS<br>IPPC SOs: C2, C3, B2, B3, B4 | | |
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| | Concept standards - "what" | Implementation standards - "how" | Guidance: Developed | Under development | Planned/needed |
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| **31)** | Framework for pest risk analysis (ISPM 2)<br><br>**Supplement on Guidance on the concept of the likelihood of establishment component of a pest risk analysis for quarantine pests to ISPM 11 Pest risk analysis for quarantine pests (2015-010) (Priority 4)** | Pest risk analysis for quarantine pests (ISPM 11)<br><br>Pest risk analysis for regulated non-quarantine pests (ISPM 21)<br><br>Categorization of commodities according to their pest risk (ISPM 32)<br><br>Guidelines for the export, shipment, import and release of biological control agents and other beneficial organisms (ISPM 3)<br><br>Guidance on climate change (supplement to ISPM 11) (Priority 3) | Commodity and host pest lists | | |
| | | | PRA awareness toolkit<br><br>PRA training (manual and eLearning)<br><br>Diversion from Intended Use: Consideration of the extent of the issue<br><br>Guidance for conducting pest risk analysis of living modified organisms (LMOs)<br><br>NRO Procedures<br><br>NRO Guide<br><br>4 NRO leaflets (Benefits of reporting, Consequences of not reporting, Official Contact Points: advantages & consequences and Networking) and 13 NRO factsheets<br><br>NRO quality guidelines<br><br>NRO lists | Guide on Pest Risk communication<br><br>NRO e-learning (to be released)<br><br>NRO UPDATE newsletter<br><br>NRO Workshops and training materials | Guidance on adherence to ISPM 32<br><br>Pest modelling in context of PRA |

| | Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
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| | | | NRO e-learning (to be released)<br><br>NRO UPDATE newsletter<br><br>NRO Workshops and training materials | | |
| 32) | Revision and combination of PRA standards (including ISPM 2, 11 and 21) (priority 4) | | Commodity and host pest lists | | |
| | | | | | |
| 33) | **Guidance on pest risk management (2014-001)** (Priority 2) | Specific guidance on pest risk management for pests or a group of pests (Priority 3) | Pest risk management for pests or group of pests | | |
| | | | | | Guide on Pest Risk Management |
| 34) | Risk communication (Priority 3) | | Risk communication | | |
| | | | | Guide on Pest Risk communication | |
| 35) | Guidelines on the understanding of potential economic importance and related terms including reference to environmental considerations (ISPM 5 - Supplement 2) | Economic analysis in PRA (Priority 2) | Economic analysis in PRA | | |
| | | | | | Template for economic analysis of pest impact |
| 36) | Diversion from intended use (Priority 2? to be determined) (concept standard or supplementary document) | No gap. | Diversion from intended use | | |
| | | | IRSS study on Diversion from intended use - consideration of the extent of the issue | | |

| | IPPC Area: PEST MANAGEMENT<br>IPPC SOs: A1, A2, B1, B2, B4, C2, D1 | | | | |
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| | Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
| **37)** | Management of regulated pests (Priority 4) | No gap. | Management of regulated pests | | |
| | | | | CDC document on Phytosanitary measures | |
| **38)** | No gap. | No gap. | Pest management options | | |
| | | | Beyond the compliance tool | | Studies on efficacy |
| **39)** | Contingency planning and emergency response (Priority 1) | No gap. | Contingency planning and emergency response | | |
| | | | Manual on managing relationships with stakeholders<br><br>Manual on Establishing an NPPO<br><br>Manual on Operation of an NPPO<br><br>CPM9 side session materials on natural disasters<br><br>NRO Procedures<br><br>NRO Guide<br><br>4 NRO leaflets (Benefits of reporting, Consequences of not reporting, Official Contact Points: advantages & consequences and | Communication plan for Xylella<br><br>NRO e-learning (to be released)<br><br>NRO UPDATE newsletter<br><br>NRO Workshops and training materials | Guidelines for development of contingency plans<br><br>Products of workshops for contingency planning and emergency response |

| | Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
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| | | | Networking) and 13 NRO factsheets<br><br>NRO quality guidelines<br><br>NRO lists<br><br>NRO e-learning (to be released)<br><br>NRO UPDATE newsletter<br><br>NRO Workshops and training materials | | |
| **40)** | No gap. | **Criteria for treatments for wood packaging material in international trade (draft annex to ISPM 15) (2006-010)** (Priority 2)<br><br>Revision of annex 1 and 2 of ISPM 15 (Inclusion of the Phytosanitary treatment *Sulphuryl fluoride fumigation of wood packaging material* and *Revision of dielectric heating section* | Treatment of wood packaging material | | |
| | | | Replacement of MB (CPM 3/1) | | Guide on ISPM 15 treatment: Approval and monitoring of Heat treatment and dielectric heat treatment facilities (IFQRG)<br><br>Guide on ISPM 15 treatment: Dielectric heat treatments (IFQRG) |
| **41)** | Phytosanitary treatments for regulated pest (ISPM 28) | Non-commodity specific phytosanitary treatments for regulated pests (e.g. soil drench, sterilization) (Annexes to ISPM 28) (Priority 4) | Phytosanitary treatments for regulated pest | | |
| | | | Explanatory document (2006) on ISPM 18:2003 (Guidelines on the use of irradiation as a phytosanitary treatment) | | DB of treatments |

| | Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
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| **42)** | Requirements for the use of irradiation as a phytosanitary measure (Revision to ISPM 18) (2014-007) (Priority 3) | | Guidelines for the use of irradiation as a phytosanitary measure | | |
| | | | Explanatory document (2006) on ISPM 18:2003 *(Guidelines on the use of irradiation as a phytosanitary treatment)* | | Guide for irradiation |
| **43)** | No gap. | **Requirements for the use of fumigation as a phytosanitary measure** (2014-004) (Priority 1) | | | Guide on fumigation as phytosanitary measure |
| **44)** | No gap. | Requirements for the use of temperature treatments as a phytosanitary measure (ISPM 42) | | | Guide on temperature treatments as phytosanitary measure |
| **45)** | No gap. | **Requirements for the use of modified atmosphere treatments as a phytosanitary measure** (2014-006) (Priority 2) | | | Guide on modified atmosphere treatments as a phytosanitary measure |
| **46)** | No gap. | **Requirements for the use of chemical treatments as a phytosanitary measure** (2014-003) (Priority 3) | | | Guide on chemical treatments as a phytosanitary measure |
| **47)** | Guidelines for pest eradication programmes (ISPM 9) | | Eradication programmes | | |
| | | | Manual on managing relationships with stakeholders  Manual on Establishing an NPPO  Manual on Operation of an NPPO | Communication plan for Xylella | Guide for development of contingency plan  Guide for eradication  Products of workshops for contingency planning and emergency response |

| | Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
|---|---|---|---|---|---|
| | | | CPM9 side session material on natural disaster | | |
| **48)** | No gap. | Phytosanitary procedures for fruit fly management (Annex 3 of ISPM 26) | Phytosanitary procedures for fruit fly | | |
| | | | | Guide on fruit fly phytosanitary procedures (IAEA) | |
| **49)** | Integrated measures plants for planting (ISPM 36) | | Integrated measures & systems approach | | |
| **50)** | Systems approach (ISPM 14)<br><br>Clarification on the concepts of integrated measures and systems approach (Priority 4) | Pest free potato (Solanum spp.) micropropagative material and minitubers for international trade (ISPM 33)<br><br>Systems approach for pest risk management of fruit flies (Tephritidae) (ISPM 35)<br><br>**Use of systems approaches in managing risks associated with the movement of wood commodities** (2015-004) (Priority 3)<br><br>Specific guidance on systems approaches for commodities or pests (Priority 4) | Beyond the compliance | | Guide on Pest Risk Management |

| IPPC Area: PHYTOSANITARY IMPORT & EXPORT REGULATORY SYSTEMS<br>IPPC SOs: A3, B4, C1, C2, C3, D3 | | | | |
|---|---|---|---|---|
| | Concept standards - "what" | Implementation standards - "how" | Guidance: Developed | Under development | Planned/needed |
| 51) | Phytosanitary certification system (ISPM 7) | Phytosanitary certificates (ISPM 12) | Phytosanitary certification | | |
| | | Electronic phytosanitary certificates, information on standard XML schemes and exchange mechanisms (ISPM 12 - Appendix 1) | Export certification manual<br>ePhyto related documents<br>Factsheet on Plant Health and trade facilitation<br>IRSS study: Internet Trade (e-Commerce) in Plants: Potential Phytosanitary Risks | ePhyto (proposed system: HUB) | Guide on e-commerce |
| | | Focused revision of ISPM 12 (Phytosanitary certificates) (2015-011) (Priority 2) | | | |
| 52) | Consignments in transit (ISPM 25) | | Transit | | |
| | | | Transit manual | | |
| 53) | No gap. | Guidelines for the export, shipment, import and release of biological control agents and other beneficial organisms (ISPM 3) | | | |
| | | | Import verification manual | | Guideline on biological control agents regulation process |
| | | Phytosanitary treatments for regulated pests (ISPM 28) | | | |
| 54) | Guidelines for a phytosanitary import regulatory system (ISPM 20) | | Import regulation | | |
| | | | Import verification manual | ePhyto (proposed system: HUB) | Guide on e-commerce |

| | Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
|---|---|---|---|---|---|
| | | | Explanatory document (2005) on ISPM 20 (*Guidelines for a phytosanitary import regulatory system*) | | |
| | | | Manual on Establishing an NPPO | | |
| | | | Manual on Operation of an NPPO | | |
| | | | ePhyto related documents | | |
| | | | Factsheet on Plant Health and trade facilitation | | |
| | | | IRSS study: Internet Trade (e-Commerce) in Plants: Potential Phytosanitary Risks | | |
| **55)** | | Guidelines for a phytosanitary import regulatory system (ISPM 20) <br><br> **Use of specific import authorization (2008-006) (ISPM 20, new annex)** (Priority 4) | Import regulation | | |
| | | | Import verification manual | | |
| | | | Explanatory document (2005) on ISPM 20 (*Guidelines for a phytosanitary import regulatory system*) | | |
| | | | Manual on Establishing an NPPO | | |
| | | | Manual on Operation of an NPPO | | |

| | Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
|---|---|---|---|---|---|
| | | | | | |
| **56)** | No gap. | Guidelines for inspection (ISPM 23) | Inspection | | |
| | | | | | Guide on inspection |
| **57)** | Methodologies for sampling of consignments (ISPM 31) | | Sampling | | |
| | | | Explanatory document (2009) on ISPM 31 (*Methodologies for sampling of consignments*)<br><br>Diagnostic manual<br><br>Plant pest surveillance manual | | Guide on sampling |
| **58)** | No gap. | Design and operation of post-entry quarantine stations for plants (ISPM 34) | Post-entry quarantine stations for plants | | |
| | | | | | Design plan for PEQ |
| **59)** | No gap. | No gap. | Dispute avoidance and settlement | | |
| | | | IPPC Dispute settlement procedures(2001)<br><br>Factsheet : A brief guide to dispute settlement under the IPPC | | Revision of IPPC Dispute settlement procedures (2001)<br><br>Guide on Dispute avoidance and settlement |
| **60)** | Arrangements for the verification of compliance of consignments by the importing country in the exporting country (Annex 1 of ISPM 20) | No gap. | | | |

| | Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
|---|---|---|---|---|---|
| **61)** | No gap. | No gap. | Traceability | | |
| | | | | | Proposed trace back guidance |
| **62)** | No gap. | **Minimizing pest movement by air containers and aircrafts (2008-002)** (Priority 3) | Pathways | | |
| | | | | | Code of conduct |
| **63)** | No gap. | **International movement of cut flowers and foliage (2008-005)** (Priority 4) | International movement of cut flowers and foliage | | |
| | | | | | Procedural guide related to ISPMs |
| **64)** | No gap. | **Safe handling and disposal of waste with potential pest risk generated during international voyages (2008-004)** (Priority 2) | Safe handling and disposal of waste | | |
| | | | | | Procedural guide related to ISPMs<br><br>Code of conduct |
| **65)** | No gap. | International movement of growing media in association with plants for planting (ISPM 40) | International movement of growing media | | |
| | | | | | Procedural guide |
| **66)** | No gap. | **Minimizing pest movement by sea containers (2008-001)** (Priority 1) | Pest movement by sea containers | | |
| | | | CPM Recommendation on sea containers (CPM-10/2015/1)<br><br>Code of Conduct<br><br>CPM Complementary action plan sea containers | | Guidance for the implementation of the CPM recommendation on sea containers |

| | Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
|---|---|---|---|---|---|
| | | | Factsheet on Sea container cleanliness | | |
| **67)** | No gap. | **International movement of grain (2008-007)** (Priority 1) | International movement of grain | | |
| | | | Protocol for alternative treatments for MB | | Guide on grain<br><br>Procedural guide related to ISPMs |
| **68)** | No gap. | Regulation of wood packaging material in international trade (ISPM 15)<br><br>(Revision of ISPM15 to include fraudulent use) (Priority 2) | Dielectric heat treatment | | |
| | | | Explanatory document (2014) on ISPM 15 (*Guidelines for regulating wood packaging material in international trade*)<br><br>Quick guide to Dielectric heating | | Guide on ISPM 15 treatment: Dielectric heat treatments (IFQRG) |
| **69)** | No gap. | International movement of used vehicles, machinery and equipment (ISPM 41) | International movement of used vehicles, machinery and equipment | | |
| | | | | | Codes of conduct |
| **70)** | No gap. | International movement of seeds (ISPM 38) | International movement of seeds | | |
| | | | Phytosanitary treatments | | Procedural guide related to ISPMs |
| **71)** | No gap. | International movement of wood (ISPM 39) | International movement of wood | | |
| | | | Phytosanitary treatments (MB etc.) | | Procedural guide related to ISPMs |

| | Concept standards - "what" | Implementation standards - "how | Guidance: Developed | Under development | Planned/needed |
|---|---|---|---|---|---|
| **72)** | No gap. | **International movement of wood products and handicrafts made from wood (2008-008)** (Priority 2) | International movement of wood products and handicrafts made from wood | | |
| | | | Internet trade (e-commerce) in plants and other regulated articles (CPM recommendation CPM-9/2014/2)<br><br>Materials of the CPM12 special topic session on e-commerce. | | |

| | | **IPPC Area: DIAGNOSTICS**<br>**IPPC SOs: A1, B1, B4** | | |

| | Concept standards - "what" | Implementation standards - "how" | Guidance: Developed | Under development | Planned/needed |
|---|---|---|---|---|---|
| **73)** | Diagnostic protocols for regulated pests (ISPM 27) | Annexes to Diagnostic protocols for regulated pests (ISPM 27)<br><br>*Citrus leprosis virus* (Priority 2)<br>*Pyricularia oryzae (syn. Magnaporthe oryzae)* on *Triticum* spp. (Priority 1)<br>*Microcyclus ulei* (Priority 1)<br>*Mononychellus tanajoa* (Priority 2)<br>*Puccinia graminis f.sp. tritici* UG 99 (Priority 1)<br>*Moniliophthora rorer* (Priority 3)<br>*Solanum rostratum* (Priority 2)<br>*Amaranthus palmeri* (Priority 2) | Requirements for diagnostics | | |
| | | | Guide to delivering phytosanitary diagnostic services<br><br>CPM11 recommendation on the importance of plant pest diagnosis (R-07) | Assessment framework for diagnostic services<br><br>Specimen imaging guide for contracting parties | |
| **74)** | No gap. | Requirements for diagnostics (Priority 2) | Requirements for diagnostics | | |
| | | | Guide to delivering phytosanitary diagnostic services | Assessment framework for diagnostic services | Guidance on use of molecular DB<br><br>Inventory of trainings related to diagnostics |
| **75)** | No gap. | No gap. | International or regional cooperation for diagnostics (e.g. Regional centers of expertise) | | |
| | | | CPM11 recommendation on the importance of plant pest diagnosis (R-07) | | Inventories of taxonomic collections<br><br>Roster of taxonomic experts |