Framework for Standards and Implementation

(Prepared by IPPC Secretariat)

Background

1. During CPM-7 (2012), the Commission on Phytosanitary Measures (CPM) agreed on a set of decisions on improving the Standard Setting process[[1]](#footnote-1), one of which was the development of a Framework for Standards.
2. Over the years, the framework has been developed by several working groups and with the input of the Standards Committee (SC) and the Capacity Development Committee (CDC) and also discussed by the SPG. It has grown from a framework and gap analysis for standards to also include implementation material.
3. The CPM-11, April 2016 :
4. Endorsed the use of the Framework for Standards and Implementation to record the standards and other tools for implementation that support and enable the implementation of the Convention and ISPMs to facilitate harmonisation. This Framework would include standards and other tools that have been adopted/developed, are under development or are planned to be developed.
5. Adopted the Framework for Standards and Implementation and agreed that it is a working document which will be periodically updated, and provides transparency of existing or proposed standards and tools for implementation and assists with the identification of gaps and it would be a means of capturing agreed priorities for standards and implementation facilitation tools that are separately approved by CPM.
6. Agreed 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 capacity Development Committee (CDC) (or the CDC replacement) and reviewed by Strategic Planning Group (SPG).
7. Agreed that the updated framework is presented annually to the CPM for endorsement.
8. Agreed that the most current version of the Framework for Standards and Implementation will be maintained and be fully accessible on the IPP.
9. Since its adoption, the Framework for Standards and Implementation has been reviewed and updated by the Implementation and Capacity Development Committee (IC, formerly CDC) and Standards Committee (SC) based on the suggestions and requests from the CPM. The SC and IC also nominated Framework champions (Mr Rajesh RAMARATHNAM for the SC, Mr Yuji KITAHARA for the IC), who were tasked with reviewing the current framework and revising its structure in order to improve its readability and usability.
10. In their 2017 meeting, the SPG suggested that that the document still needed some improvements and that the framework would be updated by a joint Task Force (now Task Force on Topics) in 2018.
11. The CPM-13 (2018) also requested that the Task Force on Topics use the Framework for Standards and Implementation when reviewing submissions in response to the Call for Topics[[2]](#footnote-2).
12. The Framework for Standards and Implementation updated by SC and IC in 2018 is as attached in Annex.
13. The SPG is invited to:
14. *review* and *recommend* the updated Framework for Standards and Implementation in Annex for endorsement by the CPM-14 (2019) .

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

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| **Framework for Standards and Implementation****Endorsed by CPM-13 (2018); Updated by SC May 2018 and IC May 2018** |

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| **LEGEND**: Yellow highlighted text: indicates update after CPM-13 (2018) |
| **FOR STANDARDS:** 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:** Other guidance are in relevant columns: developed, under development and planned to be developed/needed. |

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| **IPPC Area: GENERALIPPC Strategic Objectives (SOs): A3, A4, B1, B2, B3, D2, D4** |

| Concept standards - “what” | Implementation standards - “how | Guidance: Developed | Under development | Planned/needed |
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|  | **Audit in the phytosanitary context (2015-014) (Priority 1)** | No gap. |  Audit in the phytosanitary context |
|  |  | ~~Manuals~~ Guide on Audit in the phytosanitary context |
|  | No gap. | No gap. | Organization and provision of information on technical resources |
| Phytosanitary resource page (roster of experts, projects database, activities calendar, technical documents)IPPC Capacity Development and Resources presentationAdvocacy fact sheet for phytosanitary page | Reorganization of the Phytosanitary resources page |  |
|  | No gap. | No gap. | Cooperation with other Organizations e.g. environmental  |
| Memorandums of Understanding: Ozone Secretariat, CBD; Partnership paper (CPM 9/2014/21).Please Review: the new IPPC Online Comment SystemTraining material for users on OCSIRSS study: Analyzing the benefits of implementing the IPPC | IPPC-CBD joint work plan (2017-2018) | Sharing resources: ePhyto, evaluation tools |
|  | No gap. | No gap. | Environmental protection and climate change e.g. surveillance of wild flora  |
| Guide to implementation of phytosanitary standard in forestry; e-learning: Trade in forest commodities and the role of phytosanitary measuresICPM-7 decisions in relationship to Cooperation with the CBD: Treaty to biodiversity by IASCPM Recommendation CPM-3/2008 - Replacement or reduction of the use of methyl bromide as a phytosanitary measureIRSS study: Aquatic Plants: Their Uses and Risks - A review of the global status of aquatic plantsCPM Recommendation Number: CPM-9/2014/01 - Recommendation on the IPPC Coverage of Aquatic Plants | GEF project scoping through the IPPC Resource Mobilization Task Force (RMTF) | Protocol for alternative treatments for MB |
|  | No gap. | No gap. | International cooperation among NPPOs |
| Manual on managing relationships with stakeholders |  | Cooperation on pest diagnostics among NPPOs. e.g.: training, ~~manuals~~ guides, videosMentoring on specific issues: PRA, risk based inspection, etc.Roster of expertsHigh level symposium One Belt One Road |
|  | 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 organizationsPRA materials | Market access training materialsMarket access online learning modules | Awareness raising and advocacy documentsCase studies on concrete relationships between Standards and key topics, measuring impactsDesk studies and methodologies to estimate impact of Standard implementation |
|  | No gap. | No gap. | Advocacy for NPPO resource mobilization |
| PCE factsheetManual on Establishing an NPPO Manual on Operation of an NPPO  |  | ~~Manual~~ Guide for Advocacy and gaining political supportStrategies and policies for implementation of PCE toolPCE modernization of tool |

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| **IPPC GENERAL RIGHTS AND OBLIGATIONSIPPC SOs: A1, A2, B2, B3, B4, C3, D3, Y4** |

| Concept standards - “what” | Implementation standards - “how | Guidance: Developed | Under development | Planned/needed |
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|  | 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 Manual on Operation of an NPPOManual on managing relationships with stakeholdersManual of good practices for CPM participationNPPO establishment training kitNPPO operations training kitIPPC Introduction presentationPCE tool; 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)IPPC Guide to Resource Mobilization: Promoting contracting party partnershipsIRSS study: The Biosecurity approach: A review and evaluation of its application by FAO, internationally and in various countriesTraining materials for PCE facilitatorPreparing a national phytosanitary Capacity Development Strategy - A Phytosanitary Capacity Development Training Tool For NPPOse-Learning: Introduction to the IPPCNRO ProceduresNRO Guide4 NRO leaflets (Benefits of reporting, Consequences of not reporting, Official Contact Points: advantages & consequences and Networking) and 13 NRO factsheets NRO quality guidelinesNRO listsNRO e-learning (to be released)NRO UPDATE newsletterNRO Workshops and training materials | ~~Training materials for STDF401 project~~~~Preparing a national phytosanitary Capacity Development Strategy - A Phytosanitary Capacity Development Training Tool~~ ~~For NPPOs~~NRO e-learning (to be released)NRO UPDATE newsletterNRO Workshops and training materials | Strategies and policies for implementation of PCE toolPCE modernization of toolStrategy, policies and process for the development of IPPC guides and training materialsPlant Health train the trainer workshops |
|  | Revision: Pest reporting (ISPM 17) (Priority 2) | National Reporting Obligations |
| ~~Recommendation information exchange (ICPM 2/1)~~~~Role of IPPC contact points (CPM 1/1)~~Explanatory document (2005) on ISPM 17:2005 (Pest reporting)Explanatory document (2005) on ISPM 17 (Pest reporting)~~IPPC Secretariat News letters on NROs~~NRO ProceduresNRO Guide4 NRO leaflets (Benefits of reporting, Consequences of not reporting, Official Contact Points: advantages & consequences and Networking) and 13 NRO factsheets NRO quality guidelinesNRO listsNRO e-learning (to be released)NRO UPDATE newsletterNRO Workshops and training materials | ~~e-learning tool on reporting obligations to be developed and launched~~ ~~Support documents and tools for the NRO work plan~~NRO e-learning (to be released)NRO UPDATE newsletterNRO Workshops and training materials |  |
|  | Revision: Guidelines on lists of regulated pests (ISPM 19) (Priority 2) | Pest reporting |
| NRO ProceduresNRO Guide4 NRO leaflets (Benefits of reporting, Consequences of not reporting, Official Contact Points: advantages & consequences and Networking) and 13 NRO factsheets NRO quality guidelinesNRO listsNRO e-learning (to be released)NRO UPDATE newsletterNRO Workshops and training materials | NRO e-learning (to be released)NRO UPDATE newsletterNRO Workshops and training materials | Regulated pest lists clarification of terminology and its use in ISPM 19. |
|  | Guidelines for the notification of non-compliance and emergency action (ISPM 13) | Notification of non-compliance |
| Model notification form - import verification manualNRO ProceduresNRO Guide4 NRO leaflets (Benefits of reporting, Consequences of not reporting, Official Contact Points: advantages & consequences and Networking) and 13 NRO factsheets NRO quality guidelinesNRO listsNRO e-learning (to be released)NRO UPDATE newsletterNRO Workshops and training materials | NRO e-learning (to be released)NRO UPDATE newsletterNRO Workshops and training materials | Guidance on tools for harmonized notification  |
|  | National legislation requirements (Priority 4) | No gap. | Development of national phytosanitary legislation |
| Guidelines for the revision of national phytosanitary legislation – FAOManual on Establishing an NPPO Training kit on Establishing an NPPOManual on Operation of an NPPOTraining kit on Operation of an NPPOPCE module on legislationIRSS study: The Biosecurity approach: A review and evaluation of its application by FAO, internationally and in various countriesTraining materials for PCE facilitatorNRO ProceduresNRO Guide4 NRO leaflets (Benefits of reporting, Consequences of not reporting, Official Contact Points: advantages & consequences and Networking) and 13 NRO factsheets NRO quality guidelinesNRO listsNRO e-learning (to be released)NRO UPDATE newsletterNRO Workshops and training materials | ~~Training material on phytosanitary legislation - STDF401~~NRO e-learning (to be released)NRO UPDATE newsletterNRO Workshops and training materials | Case studies Legal and policy frameworks of plant protectionStrategies and policies for implementation of PCE toolPCE modernization of tool |
| **~~13)~~**  | ~~No gap.~~ | ~~No gap.~~ | ~~International Cooperation between contracting parties (consider to combine with NPPO)~~ |
| **~~14)~~ 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); Role and functions of the RPPOs ICPM-5 (2003) Appendix XIXRole and function of the RPPO adopted during CPM 12 (2017).Recognition procedures for RPPOs to be reviewed and Procedure for de-recognizing the RPPOs |  | ~~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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| **~~15)~~ 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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| **~~16)~~ 15)** | Glossary of phytosanitary terms (ISPM 5) Terminology of the Convention on Biological Diversity in relation to the Glossary of phytosanitary terms (ISPM 5 – Appendix 1)  | No gap. | Glossary |
| Annotated Glossary: Explanatory document (2013) on ISPM 5 *(The Glossary of phytosanitary terms)* |  |  |
| **~~17)~~ 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) |
| **~~18)~~ 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 | ~~Manual on implementation of pest free areas and related phytosanitary improvement measures~~ Guide on Pest Free Areas (PFA) | ~~IAEA Manual for fruit flies~~ Guide on Suite of fruit fly standards (IAEA) Infographic (mini video) on Fruit Fly standards (IAEA)Global workshop on PFAse-Learning on Pest Free Areas(PFA) |
| **~~19)~~ 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 tradeBeyond the compliance tool |  | Studies on efficacy of measures (e.g. ; treatments for fruit flies) |
| **~~20)~~ 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 Manual on operation of an NPPO operation |  | Audit ~~manual~~ Guide |
| **~~21)~~ 20)** | No gap. | No gap. | Appropriate level of protection  |
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| **~~22)~~ 21)** | No gap. | No gap. | State of plant protection in the world  |
| CPM materialsThe IPPC seminars 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 IYPHCPM papers Wish list to communicate with others |

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| **IPPC Area: PEST STATUSIPPC SOs: A1, A2, B1** |

|  Concept standards - “what” | Implementation standards - “how | Guidance: Developed | Under development | Planned/needed |
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| **~~23)~~ 22)** | Revision of ISPM 8 Determination of pest status in an area (2009-005, Priority 1) | NRO ProceduresNRO Guide4 NRO leaflets (Benefits of reporting, Consequences of not reporting, Official Contact Points: advantages & consequences and Networking) and 13 NRO factsheets NRO quality guidelinesNRO listsNRO e-learning (to be released)NRO UPDATE newsletterNRO Workshops and training materials | ~~Guidelines for the determination of pest status in an area~~ Guide on Pest StatusNRO e-learning (to be released)NRO UPDATE newsletterNRO Workshops and training materials |  |
| **~~24)~~ 23)** | 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)Guidelines on the interpretation and application of the concept of official control for regulated pests (ISPM 5 - Supplement 1) | 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 recommendation CPM-9/2014/01)GMOs, Biosafety and Invasive Species: ICPM 3 (2001) decisionPlant pest surveillance manual  |  |  |
| **~~25)~~ 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  |
|  | ~~IAEA manual for fruit flies~~ Guide on fruit fly phytosanitary procedures (IAEA) | Range of materials might be elaborated under the pilot implementation programme on surveillance  |
| **~~26)~~ 25)** | Surveillance (ISPM 6)  |  |
| **~~27)~~ 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 manualFactsheet on Xylella fastidiosaSpecial topic session on Red Palm Weevil presentations posted on the phyto page with additional presentations related to surveillanceFactsheet on Invasive ants | Outputs of the implementation pilot on Surveillance (activities on three example pests)Factsheet on fruit flies | Surveillance, case study on *Xylella fastidiosa*Surveillance, case study on invasive antsSurveillance, case study on fruit fliesRevision of Plant Pest surveillance Guide |
| **~~28)~~ 27)** | Revision of ISPM 4 Requirements for the establishment of pests free areas (2009-002) (Priority 4)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  |
|  | ~~Manual on implementation of pest free areas and related phytosanitary improvement measures~~ Guide on Pest Free Areas (PFA) | Global workshop on PFAsInfographic (mini video) on Fruit Fly standards (IAEA)e-Learning on Pest Free Areas(PFA) |
| **~~29)~~ 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 PFAsInfographic (mini video) on Fruit Fly standards (IAEA)e-Learning on Pest Free Areas(PFA) |
| **~~30)~~ 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 | ~~Manual on implementation of pest free areas and related phytosanitary improvement measures~~ Guide on Pest Free Areas (PFA)~~IAEA manual for fruit flies~~ Guide on fruit fly phytosanitary procedures (IAEA) |  |
| **~~31)~~ 30)** | No gap. | Specific guidance on PFA, PFPP and ALPP for a pest or a group of pests (Priority 4)Establishment of areas of low pest prevalence for fruit flies (ISPM 30) Control measures for an outbreak within a fruit fly-pest free area (ISPM 26 - Annex 2)  | Requirements for the establishment of areas of low pest prevalence |
| Plant pest surveillance manual | ~~Manual on Implementation of pest free areas and related phytosanitary measures~~Guide on Pest Free Areas (PFA)~~IAEA manual for fruit flies~~ Guide on fruit fly phytosanitary procedures (IAEA) | Range of materials could be elaborated under the pilot implementation on surveillance  |

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| **IPPC Area: PEST RISK ANALYSISIPPC SOs: C2, C3, B2, B3, B4** |

|  Concept standards - “what” | Implementation standards - “how | Guidance: Developed | Under development | Planned/needed |
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| **~~32)~~ 31)** | Framework for pest risk analysis (ISPM 2) **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) Pest risk analysis for regulated non-quarantine pests (ISPM 21) Categorization of commodities according to their pest risk (ISPM 32) Guidelines for the export, shipment, import and release of biological control agents and other beneficial organisms (ISPM 3) Guidance on climate change (supplement to ISPM 11) (Priority 3) | Commodity and host pest lists |
| PRA awareness toolkitPRA training (manual and eLearning)Diversion from Intended Use: Consideration of the extent of the issueGuidance for conducting pest risk analysis of living modified organisms (LMOs)NRO ProceduresNRO Guide4 NRO leaflets (Benefits of reporting, Consequences of not reporting, Official Contact Points: advantages & consequences and Networking) and 13 NRO factsheets NRO quality guidelinesNRO listsNRO e-learning (to be released)NRO UPDATE newsletterNRO Workshops and training materials | ~~Risk communication guidelines~~ Guide on Pest Risk communicationNRO e-learning (to be released)NRO UPDATE newsletterNRO Workshops and training materials | Guidance on adherence to ISPM 32 Pest modelling in context of PRA |
| **~~33)~~ 32)** | Revision and combination of PRA standards (including ISPM 2, 11 and 21) (priority 4) | Commodity and host pest lists |
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| **~~34)~~ 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 |
| **~~35)~~ 34)** | Risk communication (Priority 3) | Risk communication  |
|  | ~~Risk communication guidelines~~ Guide on Pest Risk communication |  |
| **~~36)~~ 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 |
| **~~37)~~ 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 |  |  |

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| **IPPC Area: PEST MANAGEMENTIPPC SOs: A1, A2, B1, B2, B4, C2, D1** |

|  Concept standards - “what” | Implementation standards - “how | Guidance: Developed | Under development | Planned/needed |
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| **~~38)~~ 37)** | Management of regulated pests (Priority 4) | No gap. |  Management of regulated pests |
|  | CDC document on Phytosanitary measures  |  |
| **~~39)~~ 38)** | No gap. | No gap. | Pest management options |
| Beyond the compliance tool |  | Studies on efficacy |
| **~~40)~~ 39)** | Contingency planning and emergency response (Priority 1) | No gap. | Contingency planning and emergency response |
| Manual on managing relationships with stakeholdersManual on Establishing an NPPO Manual on Operation of an NPPOCPM9 side session materials on natural disasters NRO ProceduresNRO Guide4 NRO leaflets (Benefits of reporting, Consequences of not reporting, Official Contact Points: advantages & consequences and Networking) and 13 NRO factsheets NRO quality guidelinesNRO listsNRO e-learning (to be released)NRO UPDATE newsletterNRO Workshops and training materials | Communication plan for XylellaNRO e-learning (to be released)NRO UPDATE newsletterNRO Workshops and training materials | Guidelines for development of contingency plansProducts of workshops for contingency planning and emergency response |
| **~~41)~~ 40)** | No gap. | **Criteria for treatments for wood packaging material in international trade (draft annex to ISPM 15) (2006-010)** (Priority 2)Revision of annex 1 and 2 of ISPM 15 (Inclusion of the Phytosanitary treatment *Sulphuryl fluoride fumigation of wood packaging material* ~~(2006-010A)~~ and *Revision of dielectric heating section ~~(2006-010B).~~* | 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)Guide on ISPM 15 treatment: Dielectric heat treatments (IFQRG)  |
| **~~42)~~ 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 |
| **~~43)~~ 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)* |  | ~~Manual~~ Guide for irradiation |
| **~~44)~~ 43)** | No gap.  | **Requirements for the use of fumigation as a phytosanitary measure** (2014-004) (Priority 1) |  |  | ~~Manual~~ Guide on fumigation as phytosanitary measure |
| **~~45)~~ 44)** | No gap. | Requirements for the use of temperature treatments as a phytosanitary measure (ISPM 42) |  |  | ~~Manual~~ Guide on temperature treatments as phytosanitary measure |
| **~~46)~~ 45)** | No gap. | **Requirements for the use of modified atmosphere treatments as a phytosanitary measure** (2014-006) (Priority 2) |  |  | ~~Manual~~ Guide on modified atmosphere treatments as a phytosanitary measure |
| **~~47)~~ 46)** | No gap. | **Requirements for the use of chemical treatments as a phytosanitary measure** (2014-003) (Priority 3) |  |  | ~~Manual~~ Guide on chemical treatments as a phytosanitary measure |
| **~~48)~~47)** | Guidelines for pest eradication programmes (ISPM 9) | Eradication programmes  |
| Manual on managing relationships with stakeholdersManual on Establishing an NPPO Manual on Operation of an NPPOCPM9 side session material on natural disaster | Communication plan for Xylella | ~~Manual~~ Guide for development of contingency plan~~Manual~~ Guide for eradication Products of workshops for contingency planning and emergency response |
| **~~49)~~48)** | No gap. | Phytosanitary procedures for fruit fly management (Annex 3 of ISPM 26)  |  Phytosanitary procedures for fruit fly |
|  | ~~IAEA manual on fruit flies~~ Guide on fruit fly phytosanitary procedures (IAEA) |  |
| **~~50)~~49)** | Integrated measures plants for planting (ISPM 36) | Integrated measures & systems approach |
| **~~51)~~50)** | Systems approach (ISPM 14) 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) Systems approach for pest risk management of fruit flies (Tephritidae) (ISPM 35) **Use of systems approaches in managing risks associated with the movement of wood commodities** (2015-004) (Priority 3)Specific guidance on systems approaches for commodities or pests (Priority 4) | Beyond the compliance  |  | ~~Manual~~Guide on Pest Risk Management |
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| **IPPC Area: PHYTOSANITARY IMPORT & EXPORT REGULATORY SYSTEMSIPPC SOs: A3, B4, C1, C2, C3, D3** |

|  Concept standards - “what” | Implementation standards - “how | Guidance: Developed | Under development | Planned/needed |
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| **~~52)~~51)** | Phytosanitary certification system (ISPM 7)  | Phytosanitary certificates (ISPM 12) Electronic phytosanitary certificates, information on standard XML schemes and exchange mechanisms (ISPM 12 - Appendix 1) Focused revision of ISPM 12 (Phytosanitary certificates) (2015-011) (Priority 2) | Phytosanitary certification |
| Export certification manual ePhyto related documentsFactsheet on Plant Health and trade facilitationIRSS study: Internet Trade (e-Commerce) in Plants: Potential Phytosanitary Risks | ePhyto (proposed system: HUB) | Guide on e-commerce |
| **~~53)~~52)** | Consignments in transit (ISPM 25) | Transit  |
| Transit manual |  |  |
| **~~54)~~53)** | No gap. | Guidelines for the export, shipment, import and release of biological control agents and other beneficial organisms (ISPM 3) Phytosanitary treatments for regulated pests (ISPM 28)  |  |
| Import verification manual  |  | Guideline on biological control agents regulation process |
| **~~55)~~54)** | Guidelines for a phytosanitary import regulatory system (ISPM 20) | 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 NPPOePhyto related documentsFactsheet on Plant Health and trade facilitationIRSS study: Internet Trade (e-Commerce) in Plants: Potential Phytosanitary Risks | ePhyto (proposed system: HUB) | Guide on e-commerce |
| **~~56)~~55)** |  | Guidelines for a phytosanitary import regulatory system (ISPM 20) **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 |  |  |
| **~~57)~~56)** | No gap. | Guidelines for inspection (ISPM 23)  | Inspection |
|  |  | ~~Manuals~~ Guide on inspection |
| **~~58)~~57)** | Methodologies for sampling of consignments (ISPM 31) |  Sampling |
| Explanatory document (2009) on ISPM 31 (*Methodologies for sampling of consignments*)Diagnostic manual Plant pest surveillance manual |  | ~~Manuals~~ Guide on sampling |
| **~~59)~~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 |
| **~~60)~~59)** | No gap. | No gap. | Dispute avoidance and settlement |
| ~~Dispute settlement manual~~IPPC Dispute settlement procedures(2001)Factsheet : A brief guide to dispute settlement under the IPPC |  | Revision of IPPC Dispute settlement procedures (2001)Guide on Dispute avoidance and settlement |
| **~~61)~~60)** | Arrangements for the verification of compliance of consignments by the importing country in the exporting country (Annex 1 of ISPM 20)  | No gap. |  |
| **~~62)~~61)** | No gap. | No gap. | Traceability  |
|  |  | Proposed trace back guidance |
| **~~63)~~62)** | No gap. | **Minimizing pest movement by air containers and aircrafts (2008-002)** (Priority 3) | Pathways  |
|  |  | Code of conduct |
| **~~64)~~63)** | No gap. | **International movement of cut flowers and foliage (2008-005)** (Priority 4) | International movement of cut flowers and ~~branches~~foliage |
|  |  | Procedural guide related to ISPMs |
| **~~65)~~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 Code of conduct |
| **~~66)~~65)** | No gap. | International movement of growing media in association with plants for planting (ISPM 40) | International movement of growing media |
|  |  | Procedural guide |
| **~~67)~~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)Code of Conduct CPM Complementary action plan　sea containersFactsheet on Sea container cleanliness |  | Guidance for the implementation of the CPM recommendation on sea containers |
| **~~68)~~67)** | No gap. | **International movement of grain (2008-007)** (Priority 1) | International movement of grain |
| Protocol for alternative treatments for MB  |  | ~~Manual~~ Guide on grainProcedural guide related to ISPMs |
| **~~69)~~68)** | No gap. | Regulation of wood packaging material in international trade (ISPM 15) (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*)Quick guide to Dielectric heating |  | Guide on ISPM 15 treatment: Dielectric heat treatments (IFQRG)  |
| **~~70)~~69)** | No gap. | International movement of used vehicles, machinery and equipment (ISPM 41) | International movement of used vehicles, machinery and equipment |
|  |  | Codes of conduct |
| **~~71)~~70)** | No gap. | International movement of seeds (ISPM 38) | International movement of seeds |
| Phytosanitary treatments |  | ~~Manual~~ Procedural guide related to ISPMs |
| **~~72)~~71)** | No gap. | International movement of wood (ISPM 39) |  International movement of wood |
| Phytosanitary treatments (MB etc.) |  | ~~Manual~~ Procedural guide related to ISPMs |
| **~~73)~~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)Materials of the CPM12 special topic session on e-commerce. |  |  |

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| **IPPC Area: DIAGNOSTICSIPPC SOs: A1, B1, B4** |

|  Concept standards - “what” | Implementation standards - “how | Guidance: Developed | Under development | Planned/needed |
| --- | --- | --- | --- | --- |
| **~~74)~~73)** | Diagnostic protocols for regulated pests (ISPM 27)  | Annexes to Diagnostic protocols for regulated pests (ISPM 27) *Citrus leprosis virus* (Priority 2)*Pyricularia oryzae (syn. Magnaporthe oryzae)* on *Triticum* spp.(Priority 1)*Microcyclus ulei* (Priority 1)*Mononychellus tanajoa* (Priority 2)*Puccinia graminis f.sp. tritici* UG 99(Priority 1)*Moniliophthora rorer* (Priority 3)*Solanum rostratum* (Priority 2)*Amaranthus palmeri* (Priority 2) | Requirements for diagnostics |
| Guide to delivering phytosanitary diagnostic services CPM11 recommendation on the importance of plant pest diagnosis (R-07) | Assessment framework for diagnostic servicesSpecimen imaging guide for contracting parties |  |
| **~~75)~~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 DBInventory of trainings related to diagnostics |
| **~~76)~~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 collectionsRoster of taxonomic experts |

1. Appendix 4 to the CPM-7 report: <https://www.ippc.int/en/publications/928/> [↑](#footnote-ref-1)
2. Link to Call for Topics: Standards and Implementation: <https://www.ippc.int/en/core-activities/standards-and-implementation/call-for-topics-standards-and-implementation/> [↑](#footnote-ref-2)