



Virtual Meeting 13 February 2014

Technical Panel on Diagnostic Protocols February 2014



Food and Agriculture Organization of the United Nations

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TPDP February 2014 Report

1. Opening of the meeting

Welcome by the IPPC Secretariat

The IPPC Secretariat welcomed the participants of the Technical Panel on Diagnostic Protocols (TPDP) to the meeting. In attendance were: Mr Robert TAYLOR (member, NZ), Mr Norman B. BARR (member, USA), Ms Liping YIN (member, China), Mr Johannes DE GRUYTER (member, The Netherlands), Ms Geraldine ANTHOINE (member, France), Ms Adriana G. MOREIRA (IPPC Secretariat), Mr Artur SHAMILOV (IPPC Secretariat) and Mr Riccardo MAZZUCCHELLI (IPPC Secretariat).

- [2] The full list of TPDP members and their contact details can be found on the IPP (https://www.ippc.int/core-activities/standards-setting/expert-drafting-groups/technical-panels/technical-panel-diagnostic-protocols).
- [3] The Secretariat made a brief presentation of the virtual tool Adobe Connect and the main features that could be used by the participants.
- [4] The Secretariat introduced the agenda as presented in Appendix 1 of this report.

Election of rapporteur

[5] Ms Geraldine ANTHOINE was elected the rapporteur.

Documents list

[6] The Secretariat introduced the documents list and it is presented as Appendix 2 of this report.

2. DPs status to be submitted to SC for Member Consultation approval (2014)

- The Secretariat introduced the paper. It was acknowledged that the TPDP had agreed in its 2013 December virtual meeting¹ that the following five draft diagnostic protocols (DPs) would be submitted to the Standards Committee (SC) for approval for 2014 member consultation:
 - (1) *Erwinia amylovora* (2004-009)
 - (2) Genus Anastrepha (2004-015)
 - (3) Ditylenchus destructor / D. dipsaci (2004-017)
 - (4) Phytoplasmas (general) (2004-018)
 - (5) Tomato spotted wilt virus (TSWV), Impatiens necrotic spot virus (INSV) and Watermelon silver mottle virus (WSMoV) (2004-019)
- It was noted by the Secretariat that for the DPs on *E. amylovora* (2004-009) and Phytoplasmas (general) (2004-018), there was a TPDP e-decision² closing on 04 February and the panel agreed to submit the draft DPs to the SC. It was also acknowledged that these draft DPs have been submitted to the SC, via SC e-decision, on 10 February 2014.
- The Secretariat mentioned that the next TPDP e-decision is scheduled to 20 February 01 March 2014 for the DPs on *Ditylenchus destructor / D. dipsaci* (2004-017) and Genus *Anastrepha* (2004-015). For the DP on Tomato spotted wilt virus (TSWV), Impatiens necrotic spot virus (INSV) and Watermelon silver mottle virus (WSMoV) (2004-019), the TPDP e-decision is scheduled from 17 to 27 March 2014.
- [10] It was also mentioned that these draft DPs are subject of revision by the IPPC editor prior to submit to the SC. The Secretariat emphasized again the importance of meeting deadlines due to flexibility

¹ 2013 TPDP December virtual meeting report: https://www.ippc.int/core-activities/standards-setting/expert-drafting-groups/technical-panels/technical-panel-diagnostic-protocols

² 2014 eTPDP January 01 forum summary: Appendix 3 of this report

limitations for the SC e-decisions dates and inclusion in the 2014 member consultation calendar. The panel members provided an updated on the status of the draft DPs.

3. DPs status to be submitted to Experts Consultation on IPP in 2014

- [11] The Secretariat introduced the paper and pointed out that during the 2013 TPDP December virtual meeting it was agreed to submit eleven draft DPs to the expert consultation process (Expert Consultation on Draft Diagnostic Protocols (ECDP)³ prior to the next TPDP face-to-face meeting⁴ as presented in Table 1 below.
- [12] It was noted by the Secretariat that the first ECDP is currently open until 24 March 2014 for the drafts on *Xanthomonas fragariae* (2004-012) and *Sorghum halepense* (2006-027).
- The panel members provided an update on the status of the draft DPs that are intended to be submitted to an ECDP in 2014. It was noted that some of the draft DPs may not be ready to the second ECDP, thus they will be postponed to the third time. However, the draft DPs for *Xiphinema americanum* (2004-025) and Genus *Liriomyza* (2006-017) will be submitted to the second ECDP and the draft DPs for *Aphelenchoides besseyi*, *A. ritzemabosi* and *A. fragariae* (2006-025), *Citrus tristeza virus* (2004-021) and *Bursaphelenchus xylophilus* (2004-016) were postponed for the third ECDP.
- [14] The Secretariat encouraged the TPDP members to advertise the ECDP among research institutions and other scientific societies/communities.
- [15] Table 1. Draft DPs that will be submitted to the 2014 Expert Consultation on Draft Diagnostic Protocols

| 2014 Expert consultation on Draft Diagnostic Protocols (Updated) | | | | |
|--|--|--|--|--|
| ECDP-1: 24 January to 24 March 2014 (Deadline to submit the draft to the Secretariat: 17 January 2014) | | | | |
| Xanthomonas fragariae (2004-012) | | | | |
| Sorghum halepense (2006-027) | | | | |
| ECDP-2: 24 February to 24 April 2014 (Deadline to submit the draft to the Secretariat: 14 February 2014) | | | | |
| Genus Liriomyza (2006-017) | | | | |
| Xiphinema americanum (2004-025) | | | | |
| ECDP-3: 17 March to 17 May 2014 (Deadline to submit the draft to the Secretariat: 07 March 2014) | | | | |
| Bursaphelenchus xylophilus (2004-016) | | | | |
| Aphelenchoides besseyi, A. ritzemabosi and A. fragariae (2006-025) | | | | |
| Citrus tristeza virus (2004-021) | | | | |
| Liberibacter spp. / Liberobacter spp. on Citrus spp. (2004-010) | | | | |
| Xyllela fastidiosa (2004-024) | | | | |
| Begomoviruses transmitted by <i>Bemisia tabaci</i> (2006-023) | | | | |
| Phytophthora ramorum (2004-013) | | | | |

³ Expert Consultation on Draft Diagnostic Protocols webpage on IPP: https://www.ippc.int/core-activities/expert-consultation-draft-diagnostic-protocols

⁴ Next TPDP face-to-face meeting will occur in Paris, France from 07 to 12 July 2014.

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The Secretariat pointed out that a fourth ECDP might be opened in April 2014 with one month length to ensure that all draft DPs that are intended to be discussed during the 2014 TPDP July meeting will be subject of the expert consultation. Also, it was expressed that the deadline to the discipline leads to send all meeting documents, including the draft DPs, to the Secretariat is 30 May 2014. The Secretariat deadline to post all draft DPs to the 2014 July meeting is 06 June. This date is to provide enough time to the panel members to revise the drafts prior to the meeting and the need to commit to this deadline is fundamental to ensure a successful meeting.

- [19] Some members expressed that they are facing some difficulties to contact the DP drafting groups. The Secretariat mentioned that the discipline leads can intervene with all authors and also request Secretariat assistance.
 - 4. Diagnostic protocols (DPs): status update DPs approved by SC for adoption (on behalf of CPM) and submitted to the 45 notification period (15 December 2013 30 January 2014)
- The Secretariat updated the panel members on the DPs that were submitted to the SC for approval for adoption. The two DPs, *Tilletia indica* Mitra (2004-014) and *Phyllosticta citricarpa* (McAlpine) Aa on fruit (2004-023) were approved for the 45 days notification period⁵ which closed on 30 January 2014. It was informed that, for the first time in history, the SC, on behalf of the Commission on Phytosanitary Measures (CPM), has adopted an ISPM: Annex to ISPM 27. 2006. (*Diagnostic protocols for regulated pests*): Annex 4: *Tilletia indica* Mitra. The Secretariat thanked all the experts involved in the drafting of this DP, especially Mr Johannes DE GRUYTER, the discipline lead of these two DPs.
- [21] The Secretariat acknowledged that the other draft DP, Annex to ISPM 27:2006: *Phyllosticta citricarpa* (McAlpine) Aa on fruit (2004-023), received a formal objection. It was also mentioned that this draft will now be returned to the TPDP, who will review the formal objection and advice the SC on how to proceed. On this, a draft paper with a TPDP position on the formal objection received was developed by the discipline lead with scientific support and inputs from the DP drafting group and the steward.
- The discipline lead introduced the draft TPDP position paper. It was informed that for the first comment (referred to the synonyms "Phoma citricarpa var. milkan") the literature provided by Japan (Hara, 1960, 1961, Kitajima, 1989) indicates that Phoma citricarpa var. milkan (or Phoma erratica) was reported to cause symptoms different from those of P. citricarpa. It was also mentioned that in Wang & Hai (1974), the authors concluded that P. citricarpa var. milkan (or P. erratica) and P. citricarpa share morphological characters. However, the authors have not provided a conclusion on the taxonomy of both organisms. On this information, the DP drafting group, agreed with the Japanese advice to remove P. citricarpa var. mikan from the list of synonyms.
- The TPDP agreed with the DP drafting group to remove the *Phoma citricarpa* var. *mikan* from the list of synonyms of *Phyllosticta citricarpa* (McAlpine) Aa on fruit (2004-023) draft DP.
- [24] For the second set of comments, the discipline lead explained that the proposal from Japan is to add the possibility of a direct diagnosis based on symptoms of typical hard spots (> 2mm in diameter) with distinct pycnidia and conidia. This would be an addition of a diagnostic method based on symptoms (spots on fruits) in Figure 4: Revise the amended proposal to the flow diagram. The discipline lead also mentioned that this comment 2 is in line with comment 3 provided by Japan.

DPs notification period IPP link: https://www.ippc.int/core-activities/standards-setting/draft-ispms/notification-period-dps

⁶ Formal objection compiled comments at: https://www.ippc.int/core-activities/standards-setting/draft-ispms/notification-period-dps

[25] It was expressed that, the DP drafting group, discipline lead and steward did not agreed with Japan's proposed changes into paragraph 38 and into the flow diagram (Figure 4). The proposed changes were considered not reliable identification methods. Some main points of discussion made by the DP drafting group, discipline lead and steward presented in the paper provided were as follow:

- Japan proposed method concerns both visual inspection of fruit and lab testing (observation under the microscope). Also, in case the only morphological character that differentiates *P. citricarpa* from other *Phyllosticta* species having overlapping spore sizes and mucoid sheath width, is the length of the apical appendage. On this, the reliability of this method is not certain, knowing that the length of the appendage is not easily observed and measured under any type of microscope;
- The presence of hard spot type of lesions with pycnidia on citrus fruit is a strong indication (but not a proof) that *P. citricarpa* is present; however, more reliable methods should be also applied in order to identify the pathogen with certainty;
- There are no studies available so far on the cultural and morphological characters of all the *Phyllosticta* species reported on *Citrus* spp. on the same culture media and under the same incubation conditions, the method proposed by the Japanese references (direct detection/identification based on morphology). On this basis, the method proposed by Japan is not reliable for the detection and identification of *P. citricarpa*;
- The sentence included under paragraph 15 "It should be noted that in symptomless citrus fruit or fruit with very small spots (<2 mm in diameter) without pycnidia, the non-pathogenic endophyte Phyllosticta capitalensis Henn. (formerly incorrectly referred to as Guignardia mangiferae A.J. Roy) (Glienke et al., 2011), recorded in many plant families, may be present." is only an observation, it has not been confirmed by scientifically sound evidence and therefore, it cannot be used as a justification for adopting the method proposed by Japan;
- Published data is available for *P. citriasiana* having only *Citrus maxima* as a host, and that *P. citricarpa* does not have *C. maxima* as a host. The moment that this proof is solid and published, a change in this issue would be possible: Direct diagnosis, based on symptoms, combined with the presence of typical pycnidia and spores, would then be possible for *Citrus* spp. other than *C.maxima*;
- Reiterated the data on hosts for *P. citriasiana* and that *P. citricarpa* have not been finally published, it is not prudent to accept to change the diagnostic protocol in such a way that a final diagnosis of Citrus Black Spot based on morphology alone is possible for all *Citrus* species except *C. maxima*. Moreover, published data of inoculation experiments are needed for a more definite conclusion about host specificity;
- Considered the points of discussion, the DP drafting group, discipline lead and steward proposed a change from the words "identified" into "detected" in the flow diagram. The title of the diagram is now changed into "flow diagram for the identification of *Phyllosticta citricarpa* on citrus fruit (Figure 4). The DP text was also modified to reflect this. Once again, based on scientific evidences, further changes in the draft DP were not considered reliable for the diagnosis.
- One panel member highlighted that based on this draft position paper, the TPDP has enough scientific-based information to not agree with the Japan's comments 2 and 3 provided in the DP notification period. On this basis, the TPDP agreed with the position provided by the DP drafting group, discipline leads and steward and with the change proposed from "identified" into "detected" in the flow diagram, the change of the title of the flow diagram and adjustments in the main text to reflect this change.
- The discipline lead will finalize and consolidate all scientific data into the draft TPDP position paper on the formal objection received for the draft on *Phyllosticta citricarpa* (McAlpine) Aa on fruit (2004-023) and will circulate with the TPDP members for final approval.

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[35] The Secretariat highlighted that this paper needs the panel's final approval as a formal TPDP response to the formal objection received and then will be submitted to the SC in its 2014 May meeting. The deadline to the Secretariat receive the final document is 10 April 2014.

5. Diagnostic protocols (DPs): status update – out of 2013 member consultation and intended to be submitted for adoption on March 2014

- [36] The two draft DPs, *Xanthomonas citri* subsp. *citri* (2004-011) and *Potato spindle tuber viroid* (PSTVd) (2006-022), were subject to the 2013 member consultation. The Secretariat mentioned that it was agreed in the 2013 TPDP December virtual meeting that these two DPs will be submitted to the SC for approval for adoption in 2014, prior to the 2014 SC May meeting. This date is to have these draft DPs going to the 01 July 2014 45-days notification period, if the SC approves.
- [37] The discipline lead for *X. citri* subsp. *citri* (2004-011) informed that the responses to the comments were already submitted to the Secretariat along with the revised draft DP. He mentioned that almost all comments were addressed and agreed and he pointed out that the comments submitted by the IPPC members really contributed to improve the draft DP.
- [38] The Secretariat mentioned that for the PSTVd (2006-022) draft DP, the authors are still working on the responses to the comments and to adjust the draft accordingly. It was highlighted the importance of meeting deadlines due to flexibility limitations for the SC e-decisions dates, otherwise this draft DP will be delayed to be presented to the SC and thus submitted to the notification period.

6. Call for authors

- [39] The Secretariat remarked that at its 2013 December virtual meeting the TPDP identified the need to open a call for authors to the following draft DPs:
 - Liberibacter solanacearum (2013-001)
 - Conotrachelus nenuphar (2013-002)
 - Anguina spp. (2013-003)
 - Fusarium moniliformis / moniforme syn. F. circinatum (2006-021)
- [40] The Secretariat mentioned that the January 2014 call for authors⁷ was open on the 16 January and will be closed in 21 February 2014. It was also mentioned that no deadline extension would be made and it was asked to the panel members to advertise this call among their NPPOs.
- [41] It was also mentioned that the Secretariat will open soon a call for authors for the draft DP on *Anoplophora* spp. (2004-020), as a request by the discipline lead.

7. Update on the TPDP work plan

[42] The Secretariat presented the 2013-2014-2015 work plan and mentioned that has been updated after the last virtual meeting occurred in December 2013. It was noted that the changes made were on the deadlines. There were no comments.

8. TPDP meeting reports

[43] The Secretariat informed that the 2013 TPDP December virtual meeting report is posted on the IPP⁸. It was also informed that the 2013 TPDP June meeting report is under edits and will be posted by March on the IPP.

⁷ 2014 January call for authors: https://www.ippc.int/core-activities/standards-setting/calls/calls-for-experts/call-authors-diagnostic-protocols/2014-January

9. Follow-up Actions for next TPPD Virtual Meeting

[44] The TPDP agreed that the next virtual meeting will occur in 24 April 2014. It was noted that one member will not be able to join. The Secretariat mentioned that efforts will be done to change the time of the meeting in the attempt to fit all members in the best time according to the different time zones.

10. Other business

- [45] The Secretariat mentioned that the Global Taxonomy Initiative (GTI) is initiating a new phase in its work program and that the IPPC Secretariat, in relates to the TPDP was invited to work in partnership with the GTI. It was noted that some TPDP members have previously worked in some GTI projects, especially in Europe, and that these projects were concluded. The Secretariat is considering how the GTI and the TPDP can work together and an update on this subject will be done to the panel.
- [46] The Secretariat remarked that an internship position open to work within the Standards Setting team for four months, starting in mid-April 2014. The intern will work with the Secretariat lead for diagnostic protocols and will assist in the organization of the TPDP meetings, the development and formatting of technical discussion papers and meeting reports, and in editing draft diagnostic protocols. The deadline for submissions is 21 February 2014. The Secretariat asked to the panel members to advertise this internship position.
- One member queued about the International Organization for Standardization (ISO) re-establishment of the project General requirements for molecular biology analysis for detection and identification of destructive organisms in plants and derived products as an active project (ISO/DIS 13484) whereas in resolution 68/13 the ISO Committee considered the results of this vote on ISO/DIS 13484 and the need for further consultation with the European and Mediterranean Plant Protection Organization (EPPO) and IPPC to address their concerns. The deadline to submit comments to ISO was 05 February 2014. It was addressed that this subject could be included in the agenda for the next TPDP virtual meeting for further discussion and updated information.
- [48] The Secretariat mentioned that there are headsets available for those TPDP members that need a set of it to perform better their participation in the TPDP virtual meetings. For those that need a headset should contact the IPPC Secretariat and shipment will be provided.

11. Close of the meeting

[49] The Secretariat thanked all the participants and all the TPDP members for work developed for the draft DPs and for the presence in this meeting, especially for those with the time zone outside of the working hours.

⁸ 2013 TPDP December virtual meeting report: https://www.ippc.int/core-activities/standards-setting/expert-drafting-groups/technical-panels/technical-panel-diagnostic-protocols

⁹ Internship position with the IPPC Secretariat: https://www.ippc.int/news/internship-position-ippc-secretariat

Report – Appendix 1 TPDP February 2014

Appendix 1 - Agenda

2014 February VIRTUAL MEETING OF THE TECHNICAL PANEL ON DIAGNOSTIC PROTOCOLS

13 January 2014 (Thursday) Adobe Connect 20h00 – 21h30 Rome time (GMT +1) AGENDA

| DOCUMENT NO. | PRESENTER |
|--|--|
| | |
| 02_TPDP_2014_Feb | MOREIRA / ALL |
| IPP link to Adobe Connect general presentation | MAZZUCHELLI |
| 01_TPDP_2014_Feb | MOREIRA |
| 03_TPDP_2014_Feb | MOREIRA |
| | |
| 04_TPDP_2014_Feb | TERRA/ JAMES/ RODONI/ ANTHOINE/ RODONI |
| | |
| 05_TPDP_2014_Feb IPP link to the expert consultation page | ALL |
| | |
| | |
| | 02_TPDP_2014_Feb IPP link to Adobe Connect general presentation 01_TPDP_2014_Feb 03_TPDP_2014_Feb 04_TPDP_2014_Feb 05_TPDP_2014_Feb IPP link to the expert |

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| AGENDA ITEM | DOCUMENT NO. | PRESENTER |
|---|--|-------------------|
| 5. Diagnostic protocols (DPs): status update – out of 2013 member consultation and intended to be submitted for adoption on March 2014 | | |
| DPs to be submitted for adoption on March 2014: Xanthomonas citri subsp. citri (2004-011) Potato spindle tuber viroid (2006-022) | - | TAYLOR / JAMES |
| 6. Call for authors | | |
| Liberibacter solanacearum (2013-001) Conotrachelus nenuphar (2013-002) Anguina spp. (2013-003) Fusarium moniliformis / moniforme syn. F. circinatum (2006-021) | IPP link to 2014 January Call for Authors | MOREIRA |
| 7. Update on the TPDP work plan | Link to IPP | MOREIRA |
| 8. TPDP meeting reports: | IPP link to TPDP public page (Meeting reports) | MOREIRA |
| 9. Follow-up Actions for next TPPD Virtual Meeting | - | MOREIRA |
| 10. Other business ❖ Global Taxonomy Initiative (GTI) and TPDP | - | MOREIRA |
| 11. Close of the meeting | - | MOREIRA |

Report – Appendix 2 TPDP February 2014

Appendix 2 – Documents List

2014 February VIRTUAL MEETING OF THE TECHNICAL PANEL ON DIAGNOSTIC PROTOCOLS

06 January 2014 (Thursday)

Adobe Connect

14h00 - 15h30 Rome time (GMT +1)

Documents list

(By document number)

| DOCUMENT NO. | AGENDA ITEM | DOCUMENT TITLE |
|------------------|----------------|--|
| 01_TPDP_2014_Feb | 01 | Provisional agenda |
| 02_TPDP_2014_Feb | 01 | Provisional participants List |
| 03_TPDP_2014_Feb | 01 | Documents List |
| 04_TPDP_2014_Feb | 02 | DPs status update: DPs status to be submitted to SC for Member Consultation approval (2014) |
| 05_TPDP_2014_Feb | 03 | DPs status to be submitted to Experts Consultation on IPP in 2013/2014 |
| 06_TPDP_2014_Feb | 04 | Draft TPDP position paper on the formal objection for <i>Phyllosticta</i> citricarpa (2004-023) draft DP |

| LINKS and Other Documents: | Agenda item | Content |
|---|----------------|---|
| IPP link to Adobe Connect general presentation (posted on restricted work area) | 01 | Document on virtual meetings using Adobe Connect |
| IPP link to TPDP membership list (posted on restricted work area) | - | Membership and contact information of the TPDP |
| IPP link to the expert consultation page (posted on public area) | 03 | Expert consultation on draft diagnostic protocols webpage |
| IPP link to 2014 January Call for Authors (posted on public area) | 06 | 2014 January Call for DPs authors webpage |
| IPP link to TPDP 2013-2014 work plan (posted on restricted work area) | 07 | TPDP 2013-2014 Work Plan |
| IPP link to TPDP public page (Meeting reports) (posted on public area) | 08 | TPDP meeting reports |
| IPP link to List of topics (posted on public area) | - | List of topics for IPPC standards webpage |

TPDP February 2014 Report – Appendix 3

Appendix 3 – Summary TPDP e-Decisions

SUMMARY TPDP E-DECISIONS

2014_eTPDP_January_01: E-decision for the approval of diagnostic protocols (DPs) to be submitted to the Standards Committee (SC) for approval for the 2014 member consultation period.

The TPDP provided responses to the forum question:

Do you agree to submit the following draft DPs to the Standards Committee (SC) for approval for the 2014 member consultation period?

- Erwinia amylovora (2004-009)
- Phytoplasmas (general) (2004-018)

Summary of the forum discussion:

The Secretariat opened this recommendation for discussion from 24 January to 04 February 2014 using the TPDP restricted work area E-decision forum on the IPP. The Secretariat reviewed the responses: five TPDP members and the assistant steward commented on it and all agreed with the above recommendation. As a consensus was reached, no poll needs to be done.

Based on the forum discussion, **the TPDP approved** the draft diagnostic protocols on *Erwinia amylovora* (2004-009) and Phytoplasmas (general) (2004-018) to be submitted to the SC for approval for the 2014 member consultation.