

Protecting the world's plant resources from pests

ISPM 15 – History

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APPPC/NPPO joint Workshop
ISPM 15 : Regulation of Wood Packaging Material in International Trade
 10-14 June 2014, Beijing, China




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Need for a standard

- Wood boring pest interceptions
- Surveillance and monitoring programmes linked interceptions to wood packaging material
- Experts met several times and developed a draft ISPM
- Draft ISPM presented to ICPM-4 (2002)




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Last minute Negotiations at ICPM-4 (2002)



- Debarking removed- technically justified?
- Concerns on the efficacy of methyl bromide in relation to pinewood nematodes

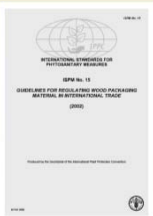




- Concern about promoting methyl bromide but reference to Montreal Protocol was not removed




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ICPM-4 (2002) adopted: ISPM 15. Guidelines for regulating wood packaging material in international trade






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ISPM 15 mark



The mark should at minimum include the:

- symbol
- ISO two letter country code followed by a unique number assigned by the NPPO to the producer of the wood packaging material, who is responsible for ensuring appropriate wood is used and properly marked
- IPPC abbreviation according to Annex I for the approved measure used (e.g. HT, MB).



XX - 000


YY

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Addressing concerns on the symbol

- A company in the USA claimed the symbol was already in use so IPPC Secretariat suggested countries temporarily suspend the implementation of the ISPM 15: 2002

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Addressing concerns on efficacy




- North American Forestry Commission
- International Forest Quarantine Research Group (IFQRG)
- *ICPM-5 (2003) requested the IFQRG to review data provided by the Republic of Korea and China*
- IFQRG coordinated research on methyl bromide




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New ISPM 15 symbol

- New symbol design, FAO registered under the Madrid Agreement (MA) and in some countries not party to the MA
- Limited resources: symbol was only registered in 82 countries in 2004.







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Technical Panels

ICPM-6 (2004) established Technical Panels:

- Technical Panel on Forest Quarantine (TPFQ)
 - Work on the development of ISPM 15
 - Practical application of treatments
- Technical Panels on Phytosanitary Treatments (TPPT)
 - review treatment efficacy using ISPM 28 (Phytosanitary treatments for regulated pests)

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IPPC workshop on the practical application of ISPM 15

28 February-4 March 2005,
Vancouver, Canada



- *Over 170 delegates participated :*
 - *reviewed ISPM 15 requirements*
 - *toured approved facilities*
 - *each delegate developed an implementation plan.*




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IPPC workshop on the practical application of ISPM 15



- *Workshop proceeding are available on the IPP:*
<https://www.ippc.int/core-activities/capacity-development/ippc-workshop-practical-application-ism-no-15vancouver-canada-28-february-4-march-2005>

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ISPM 15 implementation issues



- Issues were raised on implementation
- IFQRG set up a list serve for Q & As
- Some issues raised, indicated that ISPM 15 should be revised
- CPM-1 (2006) added the revision of ISPM 15 to the IPPC List of topics for standards
- TPFQ began the revision

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Revised Annex 1 on treatments



- CPM-1 (2006) adopted a revised Annex 1: *Approved measures associated with wood packaging material* to address the concerns regarding the methyl bromide (MB) fumigation
 - provided more guidance
 - fumigation schedule was changed

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CPM Recommendation



- Use of methyl bromide for quarantine purposes is allowed under the Montreal Protocol
- IPPC criticized by the world for promoting methyl bromide use but in reality there was always an alternative treatment
- CPM-3 (2008) adopted a CPM recommendation on: *Replacement or reduction of the use of methyl bromide as a phytosanitary measure*

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Revised ISPM 15



- CPM-4 (2009) adopted a revised ISPM 15: *Regulation of wood packaging material in international trade*

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Issues addressed in the 2009 adopted ISPM 15

- reuse and remanufacture
- bark risks, specifically defining what size of bark was most risky
- removal of bark was added
- more guidance on the application of treatments
- criteria for new treatments removed (under revision)
- increased guidance on the use of the mark






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ISPM 15 mark

Required components of the mark:



- the symbol
- a country code
- a producer/treatment provider code
- a treatment code using the appropriate abbreviation according to Annex 1 (HT or MB).

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More specific guidance on the use of the ISPM 15 mark

- legible to inspectors without the use of a visual aid
- durable and not transferable
- rectangular or square
- no other information within a border line
- not hand written
- some flexibility allowed

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Examples of the ISPM 15 mark

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Protection of the symbol

- FAO has now registered the symbol in 114 countries
- In 2014 FAO has requested the registration in 19 more countries
- Each year, with limited resources, FAO continues the registration process
- IPPC welcomes commitments to reimburse FAO for registration costs

International Plant Protection Convention
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Usage Rules

- FAO as owner of the symbol has established usage rules
- FAO has authorized NPPO to use of the symbol in the ISPM 15 mark when implementing ISPM 15

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Compliance

- FAO has delegated the NPPO as the authority to authorize and monitor the national use of the symbol in the ISPM 15 mark
- If misuse is discovered, NPPOs may request FAO to send a "Cease And Desist" letter to the offending party

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Prosecution

- If the "Cease And Desist" letter does not bring about compliance NPPOs may request advice from FAO legal services
- The NPPO (or Contracting Party) may request authority to prosecute on behalf of FAO, this needs to be done in consultation with FAO Legal Services and at the costs are covered by the NPPO

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An additional treatment added

CPM-8 (2013) adopted an additional treatment which was included in Annex 1. Approved treatments associated with wood packaging material



- a heat treatment using dielectric heating (DH)
- CPM-8 requested guidance on the application of this treatment be developed

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Explanatory document



- First ISPM 15 explanatory document was produced by Shane Sela
- In 2014, in consultation with the TPFQ, a revised explanatory document was produced by Shane Sela, lead author, Thomas Schroeder, Matsui Mamoru and Michael Ormsby
- Explanatory documents are published on the IPP: <https://www.ippc.int/publications/regulation-wood-packaging-material-international-trade-0>

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Guidance Documents

- IPPC Secretariat has developed specific guidance on the use of dielectric heating, information can be found on the IPP <http://www.phytosanitary.info/>
- *Dielectric Heating- a quick guide to Dielectric Heating as treatment for wood packaging material*, posted on the IPP: <http://www.phytosanitary.info/information/dielectric-heating-quick-guide-dielectric-heating-treatment-wood-packaging-material>

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Dielectric Heating- a quick guide to Dielectric Heating as treatment for wood packaging material

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Possible new treatments

- In 2006 and 2007 the IPPC Secretariat made a calls for treatments wood packaging treatments
- Six treatments for wood packaging were submitted:

• Ecotwin	• Sulfuryl fluoride
• Microwave	• Methyl iodide
• Phosphine	• Hydrogen cyanide (HCN)






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TPPT reviewed treatment submissions

For most submissions there was:

- insufficient information on the numbers of pests tested
- efficacy level of the treatment against the target pest could not be determined
- the most resistant life stage was not determined
- life stages most likely to be present at the time of treatment was not determined
- no statistical support



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TPPT requested additional information

Submitters, in most cases were not able to provide the TPPT with sufficient information.

Only two proposed treatments were considered further:


- Microwave heat treatment
- Sulfuryl fluoride

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Microwave heat treatment



- Microwave changed to dielectric heating
- Adopted by CPM-8 (2013)
- Treatment code = DH




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Sulfuryl fluoride

- Additional information is still being considered by the TPPT


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Equivalence





First international recognition of equivalence for treatments:

- Fumigation by methyl bromide (MB)
- Treatment by heat (HT) or
- Dielectric heating (DH)





Also recognized the ISPM 15 mark as a way to prove a phytosanitary measure had been applied

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New treatment criteria

- Criteria for ISPM 15 treatments was vague
- CPM decided to revise the criteria
- Part of ISPM 15 revision: *Criteria for treatments for wood packaging material in international trade* (2006-010)
- TPFQ are currently developing, pending IFQRG publication on the "Cardiff Protocol"

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New treatment criteria (Cont.)



- TPFQ are revising based on research coordinated by IFQRG
- Once adopted this new criteria will be used by the TPPT and TPFQ to evaluate ISPM 15 treatment submissions




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Conclusions

- The first and possibly the last case where the Appropriate Level of Protection is globally harmonized
- Huge impact on protecting trees and forests
- Equivalence
- Raised the profile of the IPPC
- Well worth the effort
- Need to focus on proper implementation

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Contact details



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