

WasteCon
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Wrestling with IndWMPs: Are more than one plan per waste resource feasible?



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Outline

- Background
- Legal Framework for IndWMPs
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- Tyre Industry Plans
- Paper and Packaging IndWMP
- Lighting IndWMP
- E-Waste Plans
- Discussion
- Conclusions
- Recommendations



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Background

- Waste Tyre Regulations allows more than one plan
- SATRP and REDISA submitted plans to DEA
- REDISA plan approved on 28 Nov 2011 for implementation on 1 Dec 2011
- Approval was withdrawn
- Plan advertised for comment in Jan-Feb 2011
- Comments and revised plan submitted to DEA
- Revised REDISA plan approved on 23 July 2012 for immediate implementation

Why was only one plan approved?

What is the correct process?



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Background

- A third waste tyre plan proposed by RMI
- Two e-Waste plans are proposed
 - IT Association of South Africa
 - eWASA
- Lighting industry plan – Illumination Engineering Society of SA (IESSA)
- Paper and packaging Industry Plan – PACSA

Are more than one plan per sector feasible?



Legal Framework

- Waste Act, 2008 (Act 59 of 2008)
 - Section 28(1) – Mandatory IndWMPs
 - Section 28(7) – Voluntary IndWMPs – **not yet in force**
 - Section 18 – Extended Producer Responsibility
- Waste Tyre Regulations
 - Integrated industry waste management plans (IIWMP)
 - Producers to prepare own plan
 - Producers to register with approved plan
 - Dealers must manage waste in accordance with producer IIWMP
- Consumer Protection Act, 2008 (Act 68 of 2008)
 - Take-back mechanisms for end-of-life products



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Status Quo

National Waste Management Strategy lists:

- Tyre Industry for waste tyres
- Paper and packaging industry for packaging and paper waste
- Lighting industry for mercury containing lamps
 - CFLs
 - LEDs
- Pesticide Industry for residual pesticide



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Status Quo

Over next 5 years IndWMPS will be required from:

- Different forms of e-Waste and batteries
- Other waste streams best managed through IndWMPs

No directives have been issued for these yet



Requirements for IndWMPs

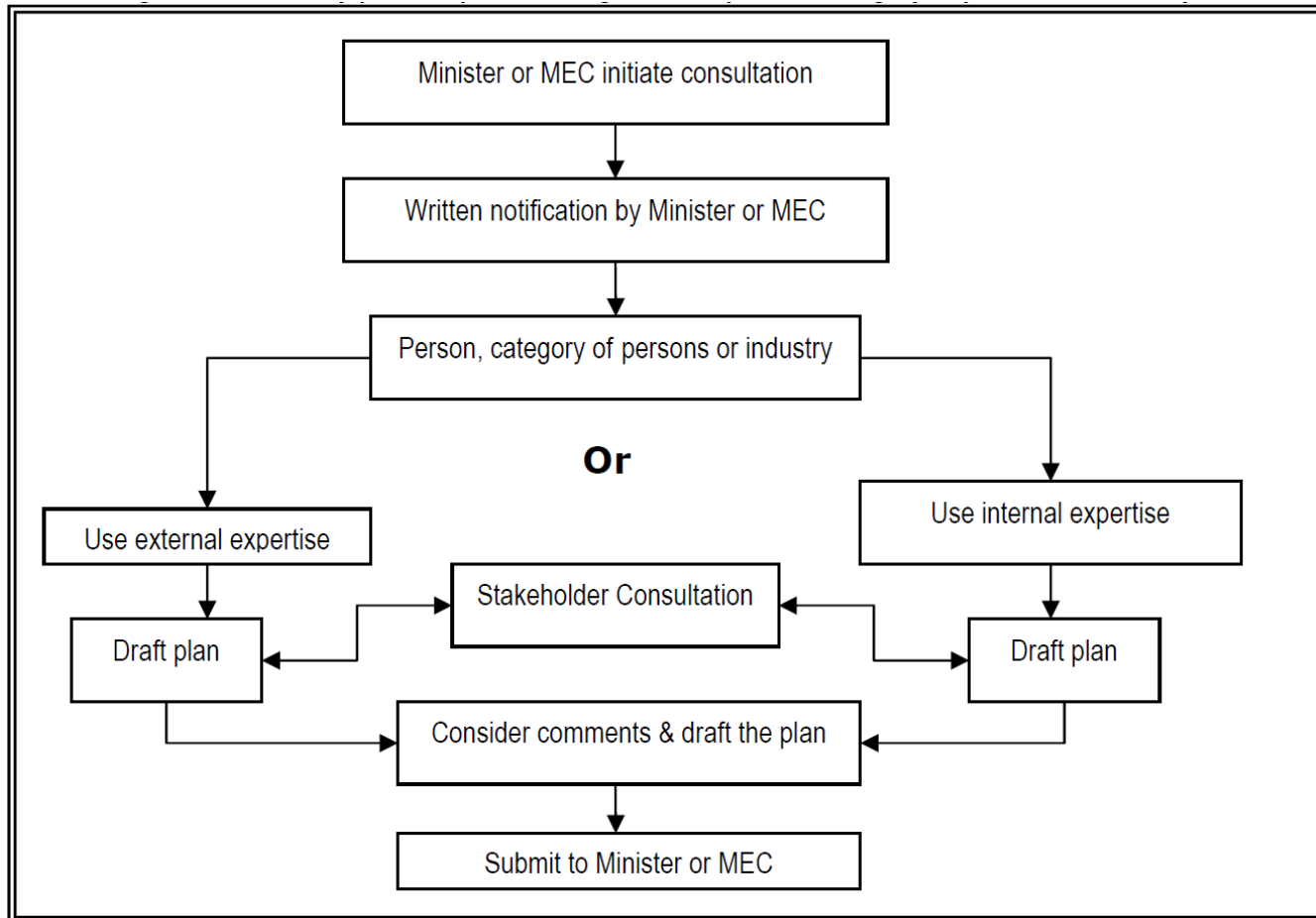
Draft Generic Guidelines by DEA

- General considerations prior to development of IndWMPs
- Procedures and processes for industry
- Procedures and processes for organs of state
- Detailed description of required content
- Procedures and processes followed by Authorities when considering IWMPs
- List of Frequently asked questions and answers
- Relevant references



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Process for preparation of Mandatory IndWMPs



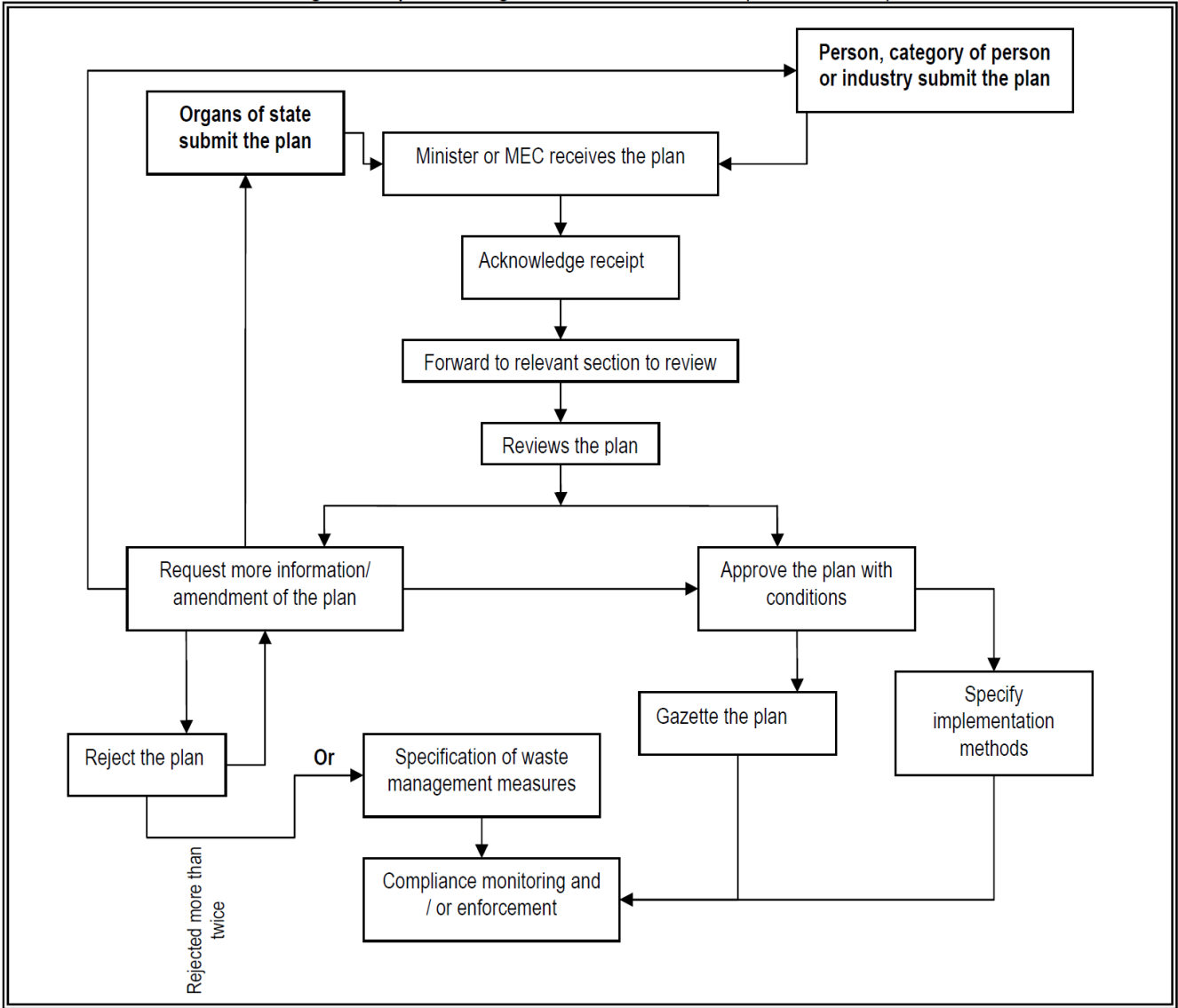
Contents of Mandatory IndWMPs

- General information
 - Name, contact details etc.
- Status Quo analysis
 - Inventory of waste streams
 - Description of waste sources
 - Description of waste types
 - Current waste management systems
- Measures to prevent pollution & ecological degradation
- Targets for waste minimisation, re-use, recycling, recovery
- Measures to minimise waste

Contents of Mandatory IndWMPs

- Measures to manage waste
- Phasing out of specified substances
- Opportunities for waste reduction through changes in packaging, product design or production processes
- Mechanisms for informing the public of impacts waste-generating products or packaging
- Extent of any financial contribution to be made to support consumer-based waste reduction programmes
- Period for implementation of the plan
- Methods for monitoring and reporting
- Any other matter that may be necessary to give effect to the objects of the Waste Act

Process followed for taking decisions



Tyre Industry Plans

DEA press release 17 January 2012

- REDISA plan was approved on basis that it addressed all stipulated requirements
- SATRP plan inadequately considered the waste hierarchy

DEA press release 1 August 2012 highlights the following about the approved REDISA plan:

- Holistic plan
- Waste minimisation addressed
- Job Creation
- Empowerment of existing informal sector
- Sustainability of jobs



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Tyre Industry Plans

Retail motor industry organisation (RMI) IndWMP

- Represents dealers and importers of tyres

Regulation 7(3) “*a tyre dealer must manage all waste tyres ... in accordance with the approved integrated industry waste tyre management plan of the **producer***”

REDISA = Recycling and Development Initiative of SA

SATRP = SA Tyre Recycling Process Company

There is no approved plan for tyre producers



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Paper and Packaging IndWMP

- Informal request by DEA in 2008
- Request formalised through correspondence
- Instruction by Minister to prepare the plan was not gazetted
- Correspondence between DEA and PACSA is not in public domain
- Plan propose new regulations to support implementation in line with international best practices
- Plan submitted to Minister



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Lighting IndWMP

- DEA through a notice invited Illumination Engineering Society of South Africa to develop plan
- Plan covers mercury containing lamps
 - CFLs
 - LEDs
- Lighting equipment is a category of e-waste
- Plan submitted to Minister



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e-Waste IndWMPs

- NWMS indicates **government's intention** to request **mandatory** plans
- Two **voluntary** plans are being developed
 - eWASA
 - IT industry Association
- Section 28(7) allowing voluntary plans not yet in force pending guidelines



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e-Waste IndWMPs

- e-WASA plan
 - Covers entire spectrum of e-waste
 - Lighting equipment
 - Consumer white goods
 - Information technology
 - Holistic approach
 - Extended producer responsibility
 - Encouraging materials substitution for hazardous components
 - Establishment of green fee levied on subscribers to eWASA plan
 - The dealer will be encouraged to raise the green fee as a separate line item when invoicing the appliance consumer

e-Waste IndWMPs

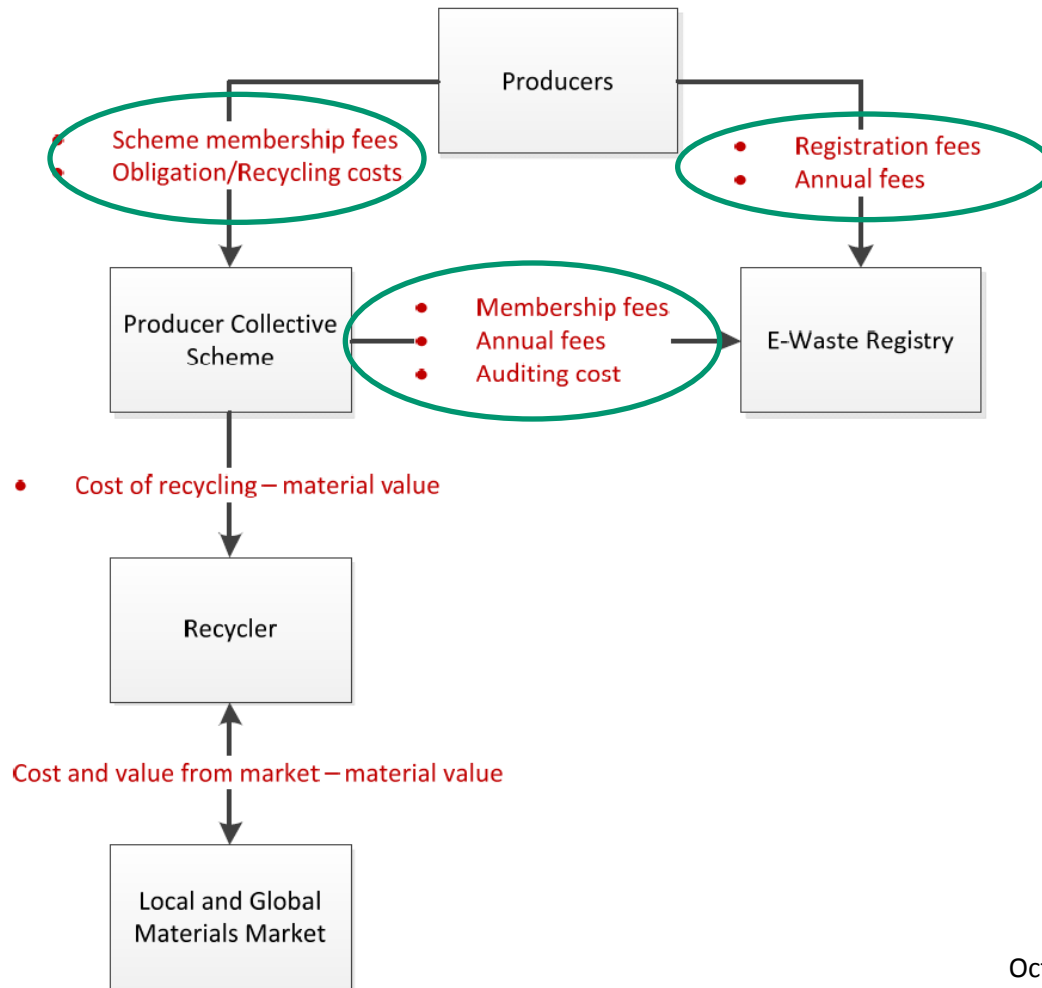
- ITA plan
 - Producer driven
 - Office, information and communications equipment
 - Producers are to pay the collective scheme on producer current market share
 - More than one collective scheme is possible
 - Commercial or
 - Not for profit organisation



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e-Waste IndWMPs

ITA plan financial flow overview



Discussion

Points in favour of one plan per waste resource stream

- Economies of scale
- Optimisation of collection and transport systems
- Reducing administrative burden by reporting into one plan only
- Potential for fraud and malpractice reduced
- Optimisation of communication and awareness creation
- Consolidated effort by industry
- Simplified enforcement



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Conclusions

- Collection systems of multiple plans
 - confuse end-users
 - reduce participation
- Regulations are required to enforce compliance
- Collection and recycling by individual producers is likely to be:
 - cost-inefficient
 - virtually impossible to monitor and enforce
 - may lead to free-rider behaviour
- Successful implementation rely on
 - consumer awareness
 - consumer participation
- Communication will be complicated if more than one plan

Conclusions

- Funding mechanisms will be divided
- Reduced financial sustainability
- Job creation will be fragmented
 - Possible inequalities in the remuneration within the sector
 - Increased the risk for labour disputes



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Recommendations

- Waste stream specific regulations to support IndWMPs
- Practical waste stream specific minimum requirements to be developed



Acknowledgements

Rob Koppejan for insights on the lighting industry plan





Thank you for your attention.
Any questions?



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