



# Plastic waste: the role of standards and current landscape

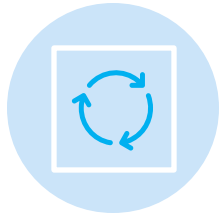
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Leveraging standards and best practices to reduce plastic waste

# How standards can enable a circular economy for plastics



**DESIGN FOR  
CIRCULARITY**



**DRIVE DEMAND  
FOR CIRCULAR  
PRODUCTS**



**SCALE  
RESPONSIBLE  
BUSINESS MODELS**



**COMBAT  
GREENWASHING**



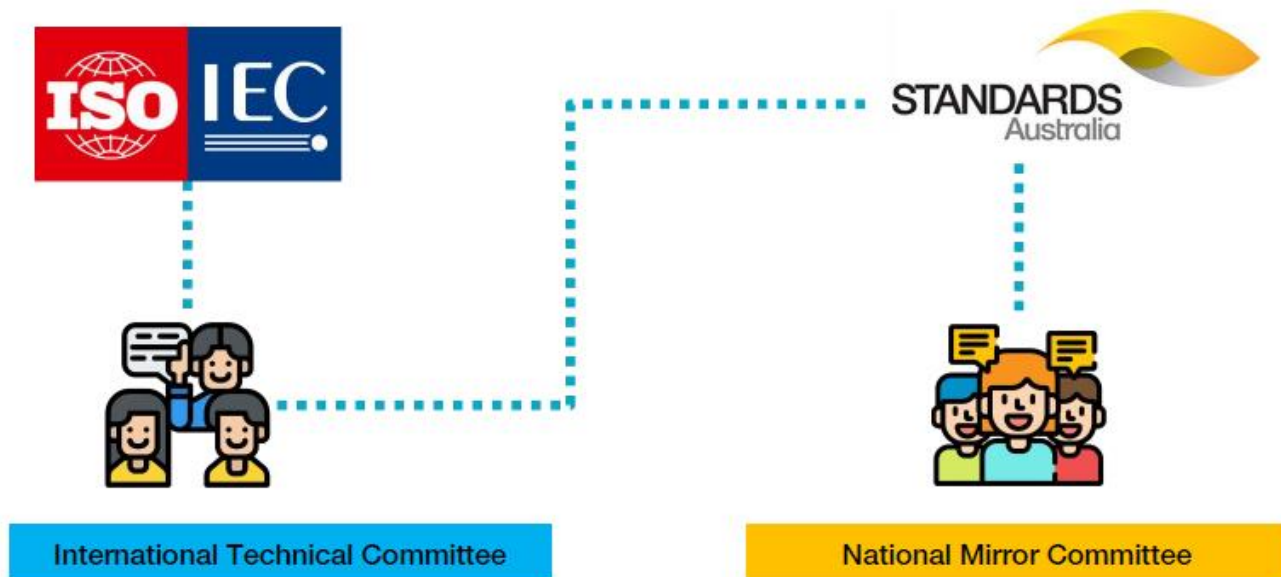
**ASSIST  
POLICYMAKING**



**ENHANCE  
PRODUCT QUALITY  
AND SAFETY**

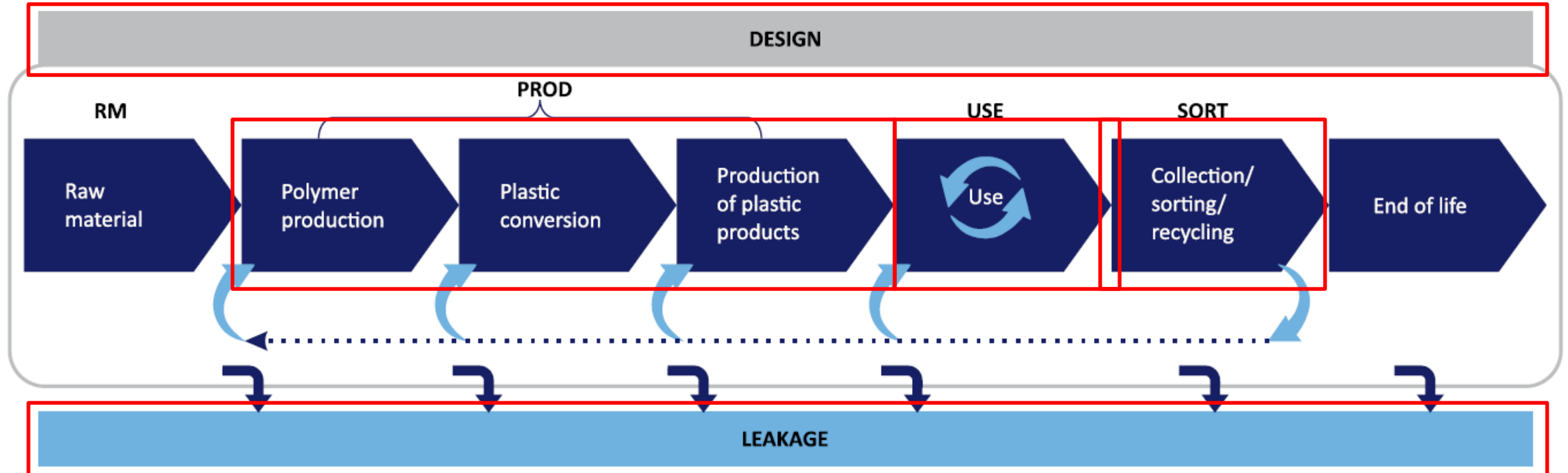
## Leveraging standards and best practices to reduce plastic waste

# About Standards Australia and the standards development process



- Nation's peak, non-government, not-for-profit standards body
- Trusted partner of the Australian Government and industry with a strong track record of domestic and international program delivery
- Represents Australia at the International Organisation for Standardization (ISO) and International Electrotechnical Commission (IEC)

- IEC 62430 Environmentally conscious design (ECD) — Principles, requirements and guidance
- ISO 472 Plastics Vocabulary



ISO/FDIS 24187(en) Principles for the analysis of microplastics present in the environment  
 footprint, amount (mass) of CO<sub>2</sub> removed from the air and incorporated into polymer molecule

ISO 18603(en) Packaging and the environment — Reuse

EN 15343 Recycled Plastics – Plastics recycling traceability and assessment of  
 conformity and recycled content

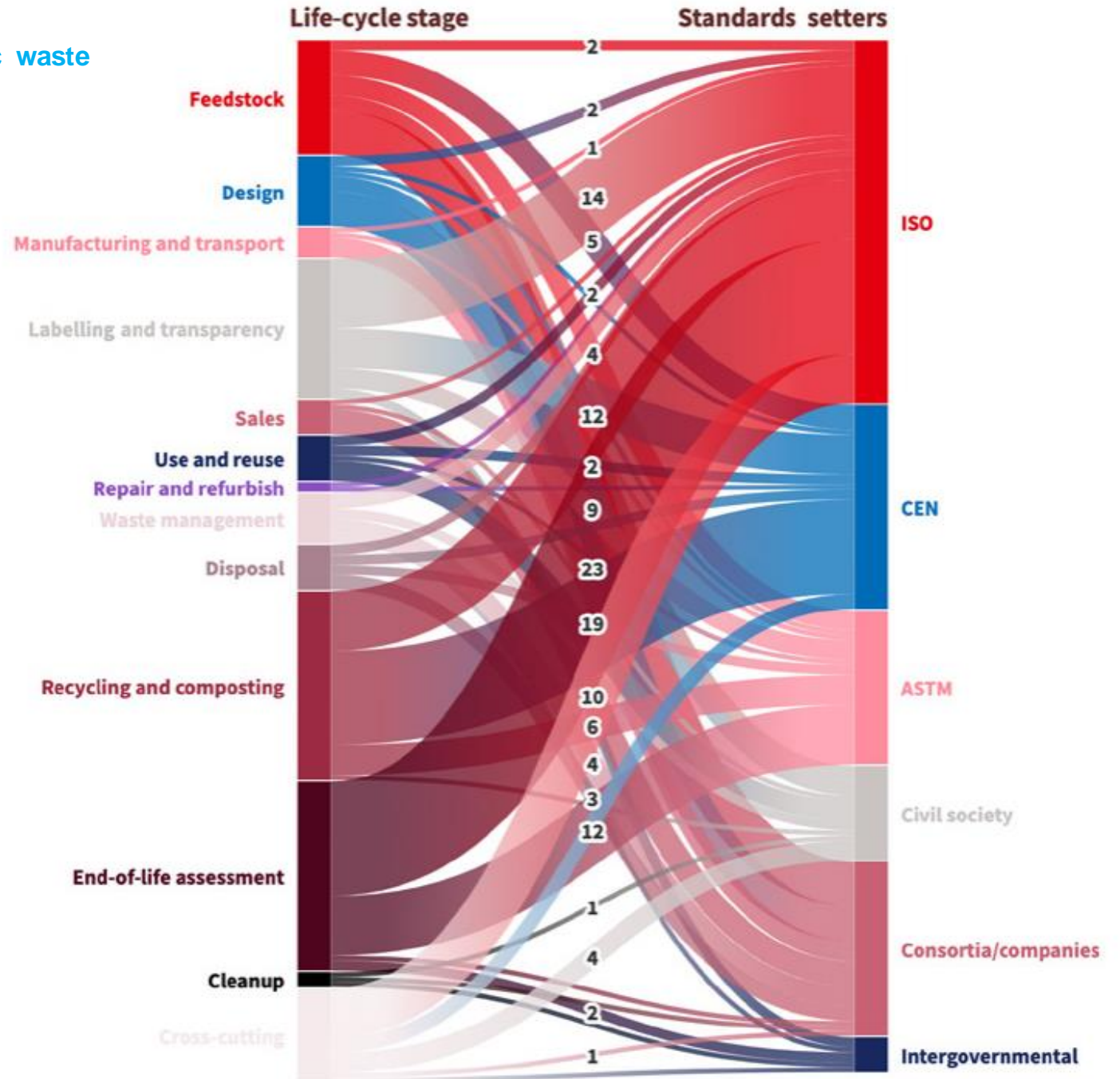
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Australia

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# Which standards address plastic pollution?

- International Organisation for Standardisation (ISO): 71
- European Committee for Standardisation (CEN): 41
- ASTM International: 31



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Enhance Australia's **reputation** as a global player in addressing plastic waste

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**Collaboration** and **coordination** of complex and diverse technical work

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Assert Australian industry, academic, and policy **interests, expertise, and influence**

## Relevant national and international committees

### ISO and IEC Committees

- ISO/TC 61 Plastics
  - ISO/TC 61/SC 14 Environmental Aspects
- ISO/TC 38 Textiles
- ISO/TC 122/SC 4 Packaging and the environment
- IEC/TC 111 Environmental standardization for electrical and electronic products and systems
- ISO/TC 207 Environmental Management **(P)**
- ISO/TC 323 Circular Economy **(P)**

### Other SDOs

- ASTM Subcommittee D20 Plastics
- CEN/TC 249 Plastics
- CEN/TC 411 Bio-based products







## Next steps and future work

➤ **Call for experts:** Standards Australia is seeking expressions of interest to form an Australian Technical Committee to participate in the development of international standards. This committee would also be responsible for reviewing international standards to determine if they are relevant for adoption in Australia. Some of the areas may include:

- Microplastics
- Compostable and biodegradable plastics
- Biobased plastics
- Chemical and mechanical recycling
- Environmental labelling
- Life cycle assessment
- Traceability
- Eco-design
- Suitability for reuse