

Environmental standards for sustainable development

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Content

- What is standard?
- How standards can contribute to sustainable development?

What is standard?

- *Standards establish consistent rules that can be universally understood and adopted.*
- *They allow to speak a common language ensuring the same method is used by all providing a common accepted scale.*



What is standard?

- Agreed set of definitions, requirements, specifications or guidelines
- Apply to materials, products, processes and services



Standard vs regulation

	Standard	Regulation
Technical specifications	State of art	Defined by legislators and only essential requirements
Application	(Voluntary)	Mandatory
Responsible person	Interested stakeholders	Legislators
Development process	Openness and transparency	Depends of institution
Decision making	Consensus	(Democratic)/Political
Revision	Every 5 years and easy	Foreseen in text and decided later and burdensome

Standards for sustainability

Standardisation plays a significant role in ongoing sustainable development efforts – creating a common language for current environmental challenges



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EU – Central Asia Cooperation on
Water – Environment – Climate Change

<https://www.cenelec.eu/media/CENELEC/Areas%20of%20Work/CENELEC%20sectors/Accumulators,%20Primary%20cells%20and%20Primary%20Batteries/Documents/standardsfortheenvironment.pdf>



This project is implemented by the consortium led by Stantec, with ELLE (Estonian, Latvian & Lithuanian Environment), ACTED, and Kommunal Kredit Public Consulting as the consortium partners.

Standards for sustainability

- Standardisation as a vital part of EU legislation
- European Green Deal pledges to make consistent use of standardisation in order to facilitate societal, environmental and economic transformation and innovation



Standards for sustainability

There are 100s and 1000s of international and European standards related to environmental protection....

From **ISO 14001:2015 Environmental management system**



To **EN 15217:2007 Energy performance of buildings**
and
ISO 50001 — Energy management



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From **EN 14662:2005 – Parts 1–5, Ambient air quality**, standard method for measurement of benzene concentrations.



To **EN 15530:2008, Aluminium and aluminium alloys**, standard ensuring that aluminium products adhering to European Standards include environmental aspects



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From ISO 14025:2006

Environmental labels and declarations — Type III environmental declarations — Principles and procedures.



To The technical specification CEN/TS 14243 highlights categories for materials produced from end of life tyres



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From **Sample preparation (CEN/TS 16011:2013)**, sampling procedures for testing plastics waste and recyclates (CEN/TS 16010:2013).

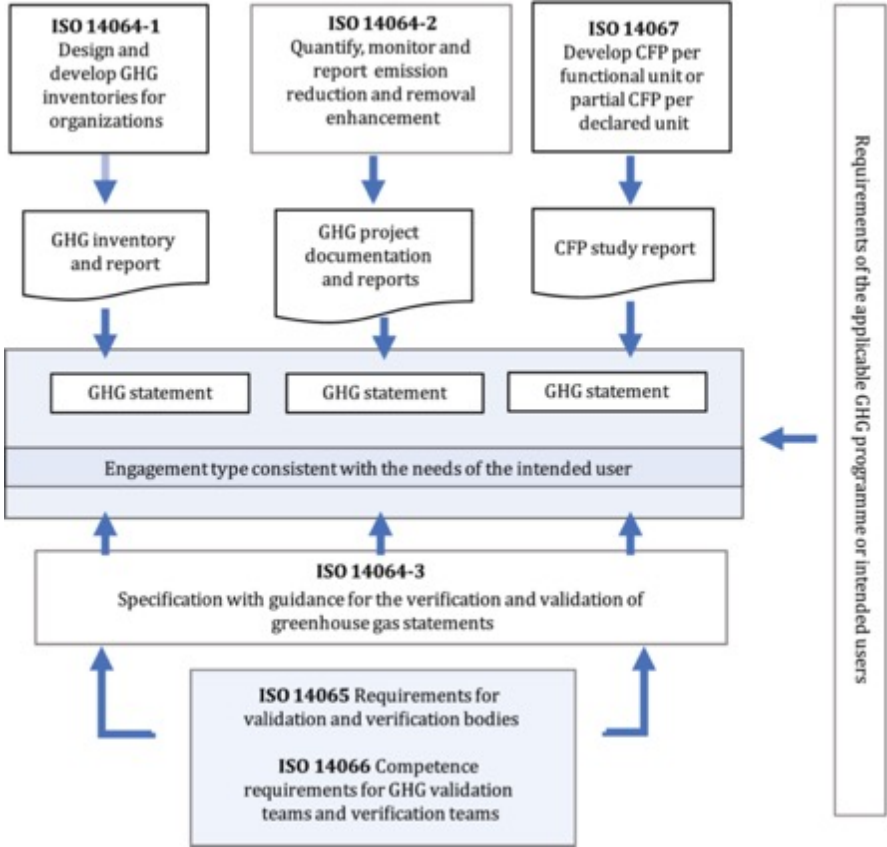


To **EN 62660-1:2019 - Secondary lithium ion cells for the propulsion of electric road vehicles. Part 1 – Performance Testing**



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To ISO 14060 family of standards...



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Thank you!

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