

Ref	Category	Title of the action	Reference 1	Reference 2	European standards/European standardisation deliverables to be requested	Specific objectives and policies for European standards/European standardisation deliverables to be requested
1	Digital	Accessibility requirements for websites and mobile applications	<a href="#">Directive (EU) 2019/882 on the accessibility requirements for products and services</a>	<a href="#">Directive (EU) 2016/2102 on the accessibility of the websites and mobile applications of public sector bodies</a>	Revise the standard EN 301 549 and the technical reports CEN/CLC/ETSI TR 101551 and CEN/CLC/ETSI TR 101552, taking into account the latest developments in the area.	Increasing accessibility to websites and mobile applications for persons with disabilities, including cognitive disabilities.
2	Digital	Cybersecurity requirements for products with digital elements	<a href="#">Proposal for a Regulation on horizontal cybersecurity requirements for products with digital elements and amending Regulation (EU) 2019/1020</a>		Develop European standards and European standardisation deliverables: (i) assessing the security properties of the design, development, delivery and maintenance of an ICT technologies; (ii) methodologies concerning assurance levels for industry sectors; (iii) evaluation methodologies of cybersecurity risks, controls and interfaces.	The main objective is to create conditions for the development of secure products with digital elements by ensuring that hardware and software products are placed on the market with fewer vulnerabilities and ensure that manufacturers take security seriously throughout a product's life cycle.
3	Digital	Data sharing	<a href="#">Proposal for a REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on harmonised rules on fair access to and use of data (Data Act) COM/2022/68 final</a>		Develop standards, specifications and guidelines for data and data sharing interoperability in line with the objectives of the Data Act, which specifies essential requirements for interoperability, as well as the data economy chapter of the rolling plan for ICT standardisation. This workstream should be based on the prioritisation of standards performed by the European Data Innovation Board, as defined in the Data Governance Act.	The main objective is to ensure that interoperability regarding the different aspects of data is functioning, so that data access and sharing is seamless. Specific objectives are to develop standards, specifications and guidelines for interoperability of data, data processing services and data spaces.
4	Digital	Digital Product Passport	<a href="#">COM/2022/142 final - Proposal for a Regulation establishing a framework for setting ecodesign requirements for sustainable products</a>		Develop or revise standards for the deployment of the Digital Product Passport. These set of standards and protocols will relate to the following areas: - Data carriers and unique identifiers - Access rights management - Interoperability (technical, semantic, organisation), including data exchange protocols and formats - Data storage - Data processing (introduction, modification, update) - Data authentication, reliability, and integrity - Data security and privacy	The aim of the action is by making product information available to actors along the entire value chain, to help consumers make informed choices, allow other actors such as repairers or recyclers to access relevant information, and enable competent national authorities to perform their duties.
5	Digital	Digital Services	<a href="#">COM(2020) 825 final - Proposal for a Regulation on a Single Market For Digital Services (Digital Services Act)</a>		Revise existing European standards and develop new ones supporting the topics listed in Article 34 of the Digital Services Act.	The aim of this action is to facilitate the effective and consistent application of the obligations set by the Digital Services Act that may require implementation through technological means.
6	Digital	Electronic Ledgers	<a href="#">Proposal for a Regulation establishing a framework for a European Digital Identity - COM(2021)281 final</a>		Develop European standards and European standardisation deliverables for the processes of execution and registration of a set of data into, and the creation, of a qualified electronic ledger to allow cross-border legal recognition of identity credentials such as medical certificates, social security documents or academic or professional attestation in electronic form.  This set of standards in line with the EU legislation, among other use cases, should be used to establish trust anchors or to support the issuing and trading of assets.	The main objective is to ensure that qualification of electronic ledgers in compliance with the legislation. The standards will support setting requirements for the provision of services and technical and operational considerations for node operators which would allow the recognition of qualified electronic ledgers to be trusted to ensure that European citizens are in control of their private data. In addition, the standards will support the deployment of the European blockchain services infrastructure.
7	Digital	Internet standards	<a href="#">JOIN/2020/18 final - The EU's Cybersecurity Strategy for the Digital Decade</a>		Develop European standards and standardisation deliverables for a free, open, accessible, inclusive and secure internet.	The aim of the action is to ensure that the European values are considered in the future development of internet.
8	Digital	IoT interoperability in the emerging Cloud-edge computing continuum and federated swarm computing	<a href="#">COM(2020) 66 - A European strategy for data</a>		Develop European standardisation deliverables addressing the needs of Edge and swarm computing including interoperability and access to data.	The objective is to improve the interoperability of Internet of Things in the new Edge-cloud paradigm and the emerging concepts such as swarm computing of clusters of devices and allow a common way to access data and apps as well as process swapping from one device to another.
9	Digital	Local Digital Twins for Smart Communities	<a href="#">Directive 2007/2/EC establishing an Infrastructure for Spatial Information in the European Community (INSPIRE)</a>		Development of new EU standards developing minimal but sufficient capabilities to share, use and re-use data across systems, addressing key challenges found when setting up a local data ecosystems, using cross-cutting data models and different architectural frameworks: ● Knowledge and context information exchange, ● Use of consistent data models, ● Rules of access and use for data and services,	The main objective is ensuring a common interoperability agreement for data spaces used on the EU Smart cities and communities ecosystem. Relevant European specifications and initiatives are EIF4SCC, ISA2, CEF, INSPIRE, EIP-SCC, ELISA, LORDI, DIGISER, and others. Minimal interoperability requires further integration based on local priorities and legacy, so governments and other stakeholders can add their preferred technical stacks, tools and management standards into operations and development, with an open-ended baseline that can evolve as needs arise.

10	Digital	Quantum Technologies	<a href="#">COM(2021)118 2030 Digital Compass: the European way for the Digital Decade</a>		Development of European standards for supply chains for modular quantum computers and communication architectures, and their enabling technologies for European High Performance Computing and for European Quantum Communication Infrastructure. Development of new European standards or revision of existing ones on safety, privacy and cyber-security of quantum computing and communication technology.	The main objectives are: (i) To ensure systematic collection of Industry (start-ups, SMEs, large industries, etc.) standardisation needs and promoting standardization activities among Industry experts to support standardisation activities. (ii) To ensure the quality, safety, security of Quantum technology products and/or services and their interoperability, essential to the (commercial) development of QT and deployment of pan-EU infrastructures, and to build trust among vendors, customers, and service providers. (iii) To ensure EU representation in relevant standardization committees and to drive standardisation in lines with EU policy.
11	Digital	Safe and trustworthy artificial intelligence systems	<a href="#">Proposal for a Regulation laying down harmonised rules on Artificial Intelligence (AI Act) and amending certain Union legislative acts COM/2021/206 final</a>		Laying down rules for the placing on the market, putting into service and use of artificial intelligence systems in the EU, addressing requirements related to their safety and trustworthiness, including risk management, data quality, transparency, human oversight, accuracy, robustness and cybersecurity.	Ensuring that artificial intelligence systems can be safe and trustworthy, are monitored appropriately throughout their lifecycle, respect fundamental values and human rights recognised in EU and strengthen European competitiveness.
12	Digital	Smart Contracts	<a href="#">Proposal for a REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on harmonised rules on fair access to and use of data (Data Act) COM/2022/68 final</a>		Develop European standards and European standardisation deliverables meeting certain essential requirements for smart contracts, as set out in the upcoming Data Act.	The main objective is to ensure that smart contracts used for data sharing are trustworthy and interoperable, so they can be used to support data exchange and pooling. In addition the standards will facilitate commercial and pre-commercial procurement of blockchain digital ledger technology applications.
13	Green	Ambient air quality - measurement methods for monitoring polycyclic aromatic hydrocarbons in ambient	<a href="#">Article 4(1), (8) and (13) of and Annex V to Directive 2004/107/EC relating to arsenic, cadmium, mercury, nickel and polycyclic aromatic hydrocarbons in ambient air</a>		Develop standards for the reference methods for measuring concentrations in ambient air of polycyclic aromatic hydrocarbons.	Ensuring that the analysis of polycyclic aromatic hydrocarbons in ambient air is sufficiently precise, reliable and comparable across the EU.
14	Green	Ambient air quality – modelling-based assessments	<a href="#">Articles 6, 7, 9 and 10 and Annex I to Directive 2008/50/EC on ambient air quality and cleaner air for Europe</a>		Develop standards ensuring that modelling-based assessments of air quality are objective, reliable and comparable, and of sufficient quality to generate reliable information about concentrations of air pollutants in ambient air.	Ensuring that the information collected on air pollution is sufficiently representative and comparable across the EU.
15	Green	Ambient air quality - Performance of sensor-based systems measuring air pollution	<a href="#">Articles 6, 7, 9 and 10 and Annex I to Directive 2008/50/EC on ambient air quality and cleaner air for Europe</a>		Develop validated test standard(s) to evaluate the performance of sensor-based systems measuring air pollution. The standard will evaluate if sensor-based systems comply with the data quality objectives in Directive 2008/50/EC.	Improving ambient air quality assessments by evaluating the extent to which sensor-based systems comply with the data quality objectives in Directive 2008/50/EC. Standard(s) will also allow for more extensive use of this monitoring method and so improved assessment of air quality.
16	Green	Batteries and waste batteries	<a href="#">COM (2020) 798 final - Proposal for a Regulation concerning batteries and waste batteries</a>		The development of harmonised European standards on: -Performance and durability aspects of portable batteries -Performance and durability aspects of (non-portable) rechargeable batteries -The re-use and repurposing of (non-portable) rechargeable batteries -Safety aspects of stationary battery energy storage systems -Further requirements or measurement methods that may be included in the adopted Regulation	The main objective is to ensure a high level of environmental performance of batteries throughout the Union, and to ensure the safety of stationary battery energy storage systems, and thus contribute to the free movement of batteries in the Union.
17	Green	Biomethane quality standards	<a href="#">COM(2022) 230 - REPowerEU Plan</a>	<a href="#">SWD(2022) 230 - investment needs, hydrogen accelerator and achieving the bio-methane targets</a>	Revise the standards EN 16726 and EN 16723 to ensure that differences in oxygen tolerance among Member States do not create a barrier to cross-border trade and flows of biomethane. Adjacent transmission systems should remain free to agree on higher oxygen content levels for cross-border interconnection points.	Facilitating the cross-border trade of biomethane as the share of biomethane in gas networks will grow significantly in the coming years, especially in smaller countries where domestic production has already reached or will reach significant shares in the natural gas networks by 2030. Supporting the consumption of increasing volumes of biomethane as EU Member States collectively pursue the objective of 35 bcm of domestic production of biomethane by 2030, as proposed in the REPowerEU Communication (COM (2022) 108 final) and Action Plan (COM(2022) 230 final).
18	Green	Carbon removals in construction products	<a href="#">COM/2021/572 final - New EU Forest Strategy for 2030</a>	<a href="#">COM/2021/800 final - Sustainable Carbon Cycles</a>	Develop a standardized framework of dynamic life-cycle assessment to account more accurately for carbon removals associated with carbon storage in construction products	The main objective is to reflect the progress made in dynamic life-cycle assessment better to acknowledge carbon storage in standards for construction products, mainly when using time-dependent characterization factors applied to a dynamic life cycle inventory.
19	Green	Climate resilience of infrastructure	<a href="#">COM(2021)82 Forging a climate-resilient Europe - the new EU Strategy on Adaptation to Climate Change - point 2.3.2</a>		Revise a broader range of standards for assets (including non-infrastructure) that are vulnerable to climate impacts, according to state-of-the-art knowledge – to improve their climate resilience.	Improving the climate resilience of the existing infrastructure stock and new major infrastructure projects.

20	Green	Construction products	<a href="#">Regulation (EU) No 305/2011 on construction products</a>	<a href="#">COM(2020) 662 on A Renovation Wave for Europe - greening our buildings, creating jobs, improving lives</a>	Develop new European standards for assessment methods and criteria for construction products in particular for those supporting the renovation of the buildings-- to be used as standardised technical specifications under Regulation (EU) No 305/2011.	Ensuring the single market for construction products operates smoothly and the greening of our buildings..
21	Green	Ecodesign with regards to water pumps	<a href="#">Commission Regulation (EU) No 547/2012 with regard to ecodesign requirements for water pumps</a>		Update of the existing standards/preparation of new standards	The main objective is to reduce the energy consumption of water pumps, considering an extended product approach, possibly looking into other aspects e.g. related to circular economy.
22	Green	Ecodesign and energy labelling of dishwashers	<a href="#">Commission Regulation (EU) 2019/2022 of 1 October 2019 laying down ecodesign requirements for household dishwashers</a>	<a href="#">Commission Delegated Regulation (EU) 2019/2017 of 11 March 2019 supplementing Regulation (EU) 2017/1369 of the European Parliament and of the Council with regard to energy labelling of household dishwashers</a>	Update of the existing standards/preparation of new standards	The main objective is to reduce the energy consumption of dishwashers
23	Green	Ecodesign and energy labelling of professional refrigeration appliances	<a href="#">Commission Regulation (EU) 2015/1095 with regard to ecodesign requirements for professional refrigerated storage cabinets, blast cabinets, condensing units and process chillers</a>	<a href="#">Commission Delegated Regulation (EU) 2015/1094 with regard to the energy labelling of professional refrigerated storage cabinets</a>	Update of the existing standards/preparation of new standards	The main objective is to reduce the energy consumption of professional refrigeration appliances
24	Green	Ecodesign and energy labelling of ventilation units	<a href="#">Commission Regulation (EU) No 1253/2014 with regard to ecodesign requirements for ventilation units</a>	<a href="#">Commission Delegated Regulation (EU) No 1254/2014 with regard to energy labelling of residential ventilation units</a>	Update of the existing standards/preparation of new standards	The main objective is to reduce the energy consumption of ventilation units
25	Green	Ecodesign and energy labelling of washing machines	<a href="#">Commission Regulation (EU) 2019/2023 laying down ecodesign requirements for household washing machines and household washer-dryers</a>	<a href="#">Commission Delegated Regulation (EU) 2019/2014 with regard to energy labelling of household washing machines and household washer-dryers</a>	Update of the existing standards/preparation of new standards	The main objective is to reduce the energy consumption of washing machines
26	Green	Ecodesign and energy labelling of computers	<a href="#">Commission Regulation (EU) No 617/2013 of 26 June 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for computers and computer servers</a>		Revise existing and develop new standards for computers and servers, through reliable, accurate and reproducible measurement methods which take into account the recognised state of the art.	Reducing the energy consumption of computers and computer servers.
27	Green	Ecodesign and energy labelling of cooking appliances	<a href="#">Commission Regulation (EU) No 66/2014 of 14 January 2014 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for domestic ovens, hobs and range hoods</a>		Revise existing and develop new standards for cooking appliances.	Reducing the energy consumption of cooking appliances.
28	Green	Ecodesign and energy labelling of electronic displays	<a href="#">Commission Regulation (EU) 2019/2021 laying down ecodesign requirements for electronic displays 2019 supplementing Regulation (EU) 2017/1369 of the European Parliament and of the Council with regard to energy labelling of electronic displays</a>		Revise existing and develop new standards for electronic displays covering high dynamic range (HDR) encoding function and resolution levels above 4k (or HD), setting a specific testing method for behaviours of ABC, and adapting verification methods for plastics additives content.	Reducing the energy consumption of electronic displays (televisions, monitors), covering HDR and resolutions levels above 4k (or HD), by setting a specific testing method for ABC and adapting verification methods for plastics additives content.
29	Green	Ecodesign and energy labelling of light sources	<a href="#">Commission Regulation (EU) 2019/2020 of 1 October 2019 laying down ecodesign requirements for light sources and separate control gears pursuant to Directive 2009/125/EC and Commission Delegated Regulation (EU) 2019/2015 of 11 March 2019 supplementing Regulation (EU) 2017/1369 of the European Parliament and of the Council with regard to energy labelling of light sources</a>		Revise existing and develop new standards covering procedures and methods for measuring the required parameters for: – fluorescent and high-intensity discharge lamps – ballasts able to operate such lamps – luminaires able to operate such lamps – luminaires for office lighting luminaires for street lighting.	Reducing the energy consumption of light sources, yielding an estimated 41.9 TWh of annual final energy savings in 2030.

30	Green	Ecodesign and energy labelling of local space heaters	<a href="#">Commission Regulation (EU) 2015/1188 of 28 April 2015 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for local space heaters</a> and <a href="#">Commission Delegated Regulation (EU) 2015/1186 of 24 April 2015 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to the energy labelling of local space heaters</a>		Revise existing and develop new standards for local space heaters.	Reducing energy consumption and further limiting the environmental impact of local space heaters.
31	Green	Ecodesign and energy labelling of photovoltaic products (modules, inverters and systems)	<a href="#">Commission Regulation PLAN/2020/7002 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for photovoltaic products (modules, inverters and systems)</a> and <a href="#">Commission Delegated Regulation PLAN/2020/7007 supplementing Regulation (EU) 2017/1369 of the European Parliament and of the Council with regard to energy labelling of photovoltaic products (modules, inverters and systems)</a>		Develop new standards for photovoltaic products (modules, inverters and systems), to support the measurement and calculation of the relevant product parameters – through reliable, accurate and reproducible measurement methods which take into account the recognised state-of-the-art measurement methods.	Reducing the environmental impacts associated with photovoltaic products (modules, inverters and systems)
32	Green	Ecodesign and energy labelling of refrigerating appliances	<a href="#">Commission Regulation (EU) 2019/2019 of 1 October 2019 laying down ecodesign requirements for refrigerating appliances pursuant to Directive 2009/125/EC of the European Parliament and of the Council and repealing Commission Regulation (EC) No 643/2009</a>		Revise existing and develop new standards for refrigerating appliances, to support measurement of the relevant product parameters through reliable, accurate and reproducible measurement methods, which consider the recognised state-of-the-art measurement methods.	Reducing the energy consumption of refrigerating appliances, yielding an estimated 10 TWh of annual final energy savings in 2030.
33	Green	Ecodesign and energy labelling of refrigerating appliances with direct sale function	<a href="#">Commission Regulation (EU) 2019/2024 laying down ecodesign requirements for refrigerating appliances with a direct sales function pursuant to Directive 2009/125/EC</a> and <a href="#">Commission Delegated Regulation (EU) 2019/2018 of 11 March 2019 supplementing Regulation (EU) 2017/1369 of the European Parliament and of the Council with regard to energy labelling of refrigerating appliances with a direct sales function</a>		Revise existing and develop new standards for refrigerating appliances with a direct sales function, covering methods and calculations for measuring the required parameters.	Reducing the energy consumption of refrigerating appliances with a direct sales function, yielding an estimated 48 TWh of annual final energy savings in 2030.
34	Green	Ecodesign and energy labelling of smartphones and tablets	<a href="#">Commission Regulation PLAN/2020/9213 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for smartphones and tablets</a> and <a href="#">Commission Delegated Regulation PLAN/2020/9217 supplementing Regulation (EU) 2017/1369 of the European Parliament and of the Council with regard to energy labelling of smartphones and tablets</a>		Develop new standards for smartphones and tablets, to support the measurement and calculation of the relevant product parameters – through reliable, accurate and reproducible measurement methods which consider the recognised state-of-the-art measurement methods.	Reducing the environmental impacts associated with smartphones and tablets

35	Green	Ecodesign and energy labelling of Solid fuel boilers	<a href="#">Commission Regulation (EU) 2015/1189 of 28 April 2015 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for solid fuel boilers</a>	<a href="#">Commission Delegated Regulation (EU) 2015/1187 with regard to energy labelling of solid fuel boilers and packages of a solid fuel boiler, supplementary heaters, temperature controls and solar devices</a>	Update of the existing standards/preparation of new standards	The main objective is to reduce the energy consumption of solid fuel boilers
36	Green	Ecodesign and energy labelling of space heaters	<a href="#">Commission Regulation (EU) No 813/2013 of 2 August 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for space heaters and combination heaters</a> and <a href="#">Commission Delegated Regulation (EU) No 811/2013 with regard to the energy labelling of space heaters, combination heaters, packages of space heater, temperature control and solar device and packages of combination heater, temperature control and solar device.</a>		Revise existing and develop new standards for space heaters and combination heaters to support measurement of the relevant product parameters. Through reliable, accurate and reproducible measurement methods, which take into account the recognised state-of-the-art measurement methods.	Standardising energy consumption, sound power level and nitrogen oxide emission requirements for space heaters and combination heaters throughout the EU. This should help make the single market operate better and improve the environmental performance of these products.
37	Green	Ecodesign and energy labelling of tumble driers	<a href="#">Commission Regulation (EU) No 932/2012 with regard to ecodesign requirements for household tumble driers</a>	<a href="#">Commission Delegated Regulation (EU) No 392/2012 with regard to energy labelling of household tumble driers</a>	Update of the existing standards/preparation of new standards	The main objective is to reduce the energy consumption of tumble driers.
38	Green	Ecodesign and energy labelling of vacuum cleaners	<a href="#">Commission Regulation (EU) No 666/2013 of 8 July 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for vacuum cleaners</a>		Revise existing and develop new standards for vacuum cleaners to support measurement of the relevant product parameters, through reliable, accurate and reproducible measurement methods which consider the recognised state-of-the-art measurement methods.	Reducing the energy consumption of vacuum cleaners during their usage phase.
39	Green	Ecodesign and energy labelling of water heaters	<a href="#">Commission Regulation (EU) No 814/2013 of 2 August 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for water heaters and hot water storage tanks</a> as amended by <a href="#">Commission Regulation (EU) 2016/2282 of 30 November 2016</a> and <a href="#">Commission Delegated Regulation (EU) No 812/2013 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to the energy labelling of water heaters, hot water storage tanks and packages of water heater and solar device.</a>		Revise existing and develop new standards for water heaters and hot water storage tanks, to support measurement of the relevant product parameters through reliable, accurate and reproducible measurement methods which consider the recognised state-of-the-art measurement methods.	Standardising energy consumption, sound power level and nitrogen oxide emission requirements for water heaters, and requirements for standing losses by hot water storage tanks throughout the EU. This should help make the single market operate better and improve the environmental performance of these products.
40	Green	Ecodesign design of small, medium and large power transformers	<a href="#">Commission Regulation (EU) 2019/1783 with regard to small, medium and large power transformers</a>		Update of the existing standards/preparation of new standards	The main objective is to reduce the energy consumption of transformers
41	Green	Ecodesign of air-to-air air conditioners and heat pumps	<a href="#">Commission Regulation (EU) No 206/2012 of 6 March 2012 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for air conditioners and comfort fans</a> as amended by <a href="#">Commission Regulation (EU) 2016/2282 of 30 November 2016</a>		Revise existing and develop new standards for air-to-air air conditioners and heat pumps, through reliable, accurate and reproducible measurement methods, which consider the recognised state of the art.	Reducing the energy consumption of air-to-air air conditioners and heat pumps in their usage phase, as well as their sound power level.

42	Green	Heat pumps	<a href="#">COM/2022/142 final - Proposal for a Regulation establishing a framework for setting ecodesign requirements for sustainable products</a>	<a href="#">Directive 2014/35/EU on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits</a>	Development of European standards based on the international standard IEC 60335-2-40.	The aim of the action is to ensure compliance of heat pumps with the requirements of the Directive 2014/35/EU and increase safety for the public from the use of heat pumps.
43	Green	Ecodesign of electric motors	<a href="#">Commission Regulation (EU) 2019/1781 of 1 October 2019 laying down ecodesign requirements for electric motors and variable speed drives pursuant to Directive 2009/125/EC of the European Parliament and of the Council, amending Regulation (EC) No 641/2009 with regard to ecodesign requirements for glandless standalone circulators and glandless circulators integrated into products and repealing Commission Regulation (EC) No 640/2009</a>		Revise the existing standards along with the following elements: (1) setting resource efficiency requirements, including identification and reuse of rare earth in permanent magnet motors; (2) the level of verification tolerances; (3) method and energy classes for motors with a rated voltage above 1000 V; (4) combinations of motors and variable speed drives sold together, as well as integrated variable speed drives (compact drives); (5) adding other types of motors to the scope, including permanent magnet motors.	Providing repeatable, reproducible, cost-effective and practice-relevant test methods for measuring the energy consumption of electric motors. With a view to reducing their energy loss rate, thus contributing to the functioning of the single market and to energy savings.
44	Green	Ecodesign of electrical and electronic household and office equipment	<a href="#">Draft proposal for a COMMISSION REGULATION (EU) .../... laying down ecodesign requirements for off mode, standby, and networked standby energy consumption of electrical and electronic household and office equipment pursuant to Directive 2009/125/EC of the European Parliament and of the Council and repealing Commission Regulations (EC) No 1275/2008 - PLAN/2016/444</a>		Revise existing and develop new standards for electrical and electronic household and office equipment.	Reducing standby off mode and networked standby energy consumption of electrical and electronic household and office equipment.
45	Green	Ecodesign of external power supplies	<a href="#">Commission Regulation (EU) 2019/1782 of 1 October 2019 laying down ecodesign requirements for external power supplies pursuant to Directive 2009/125/EC of the European Parliament and of the Council and repealing Commission Regulation (EC) No 278/2009</a>		Revise existing and develop new standards for external power supplies to support measurement of the relevant product parameters. Through reliable, accurate and reproducible measurement methods which take into account the recognised state-of-the-art measurement methods.	The main objective is to standardise the energy consumption of external power supplies, thus contributing to the functioning of the single market and to energy savings.
46	Green	Ecodesign of industrial fans	<a href="#">Commission Regulation (EU) No 327/2011 of 30 March 2011 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for fans driven by motors with an electric input power between 125 W and 500 kW as amended by Commission Regulation (EU) No 666/2013 of 8 July 2013 and by Commission Regulation (EU) No 2016/2282 of 30 November 2016</a>		Revise the existing standards and develop new standards to enable an extended products approach, notably by defining a sufficient number of operating points and an interpolation/calculation method and/or a characteristic curve. Complement direct measurement methods with appropriate calculation/interpolation methods and quantify their validity. Methods for circulating fans and large comfort fans and for large fans e.g. through extrapolation from scaled models.	Providing repeatable, reproducible, cost-effective and practice-relevant test methods for measuring the energy consumption of industrial fans. With a view to reducing their energy loss rate, thus contributing to the functioning of the single market and to energy savings.
47	Green	Ecodesign of variable-speed drives	<a href="#">Commission Regulation (EU) 2019/1781 of 1 October 2019 laying down ecodesign requirements for electric motors and variable speed drives pursuant to Directive 2009/125/EC of the European Parliament and of the Council, amending Regulation (EC) No 641/2009 with regard to ecodesign requirements for glandless standalone circulators and glandless circulators integrated in products and repealing Commission Regulation (EC) No 640/2009</a>		Revise the existing standards along with the following elements: (1) Address system losses directly associated with variable-speed drives, in particular losses induced upstream in the grid when the input current is not sinusoidal, and harmonic losses induced downstream in the motor; (2) the level of verification tolerances; (3) if applicable adding energy classes to encourage more efficient drives; (4) setting requirements for combinations of motors and variable-speed drives sold together, as well as integrated variable-speed drives (compact drives); (5) adding other types of variable-speed drives in scope.	Providing repeatable, reproducible, cost-effectively and practice relevant test methods for measuring energy consumption/losses of variable speed drives. With a view to reducing energy loss rates, thus contributing to the functioning of the single market and to energy savings.

48	Green	Environmental Footprint Methods	<a href="#">PLAN/2020/7435 Environmental claims based on environmental footprint methods Proposal for a Regulation on substantiating environmental claims using the Product/Organisation Environmental Footprint methods (green claims)</a>		Development of standards to measure and communicate the life cycle environmental performance of products and organisations for substantiating environmental claims using the Product/Organisation Environmental Footprint methods (green claims)	The standards will be used for calculating the Environmental Footprint profile for products and organisations
49	Green	Environmental sustainability of construction products	<a href="#">Regulation (EU) 305/2011 laying down harmonised conditions for the marketing of construction products</a>		Development of European standards for the assessment and declaration of the environmental performance of construction products including specific product category rules applicable to certain product families.	The main objective is the harmonisation of the European rules for the assessment and declaration of environmental performance of construction product at European level, remove and prevent barriers to trade on this field and provide reliable information for the assessments of buildings and other construction works, in particular its life cycle assessment including global warming potential.
50	Green	European Electronic Toll Service	<a href="#">Directive (EU) 2019/520 on the interoperability of electronic road toll systems and facilitating cross-border exchange of information on the failure to pay road fees in the Union</a>		Update of existing European standards for electronic interfaces for the use by European Electronic Toll Service providers and toll chargers, in view of including the automatic number plate recognition (ANPR) technology among the technologies used for carrying out electronic toll transactions.	The main objective is to ensure a high level of interoperability of electronic road toll systems for users throughout the EU and ensuring equal conditions of competition among relevant economic operators dealing with road charging and electronic tolling, in particular small and medium-sized enterprises.
51	Green	Hazardous substances in electrical and electronic equipment	<a href="#">Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment</a>		Revise the standard EN IEC 63000:2018 and develop new ones supporting the restriction of the use of certain hazardous substances in electrical and electronic equipment	The main objective of the action is to set harmonised technical solutions between the Member States regarding the restriction of the use of hazardous substances in electrical and electronic equipment.
52	Green	Hydrogen technologies and components	<a href="#">COM/2021/804 final - Proposal for a Regulation on the internal markets for renewable and natural gases and for hydrogen</a>	<a href="#">Proposal for a Directive amending Directive (EU) 2018/2001 as regards the promotion of energy from renewable sources</a>	Develop European standards on quality, technology and safety for the production and use of hydrogen.	Improving the development and maintenance of hydrogen infrastructure in the single market.
53	Green	Materials in contact with drinking water	<a href="#">DIRECTIVE (EU) 2020/2184 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2020 on the quality of water intended for human consumption (recast)</a>		Develop new European standards with regard to analytical methods for determining substances migrating from materials and methods for testing final materials in contact with drinking water.	Protecting the quality of drinking water and public health. Materials in contact with drinking water can impact its quality (e.g. by leaching substances). Analytical and testing methods need to be developed to ensure that final materials in contact with drinking water are safe.
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55	Green	Wastewater treatment	<a href="#">Council Directive concerning urban waste water treatment</a>		Revise existing standard EN 12566: Small wastewater treatment systems for up to 50 PT in seven parts.	Improving environmental protection and reducing health risks.
56	Green	Wireless charging for mobile phones and similar radio equipment	<a href="#">Directive 2014/53/EU on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment</a>		Develop or update European standards to ensure inter-operability and efficiency between radio equipment up to 240W and 'wireless chargers': * harmonised 'wireless' charging interface (hardware/pad) * harmonised 'wireless' charging communication protocol * interoperability with harmonised External Power Supplies * energy efficiency of the harmonised solution * charging performance of the harmonised solution	The main objective is to introduce a common harmonised 'wireless' charging solution in order to further improve consumer convenience and environmental benefits that are stemming from harmonised charging solutions.
57	Internal Market/Others	Age verification online	<a href="#">COM(2022) 212 final - A Digital Decade for children and youth: the new European strategy for a better internet for kids (BIK+)</a>	<a href="#">Proposal for a Regulation establishing a framework for a European Digital Identity - COM(2021)281 final</a>	Development of new European standards for online age assurance / age verification, in the context of the proposal for a European Digital Identity framework (eID) proposal.	The main objective is to improve child safety online through secure, certified and interoperable age verification (systems to access online services across EU). The aim is to build trust and confidence in the AV mechanisms and in particular to minimise the risk of children accessing age-inappropriate content.
58	Internal Market/Others	Cableway installations	<a href="#">Regulation (EU) 2016/424 on cableway installations</a>		Develop or revise standards to provide detailed technical specifications for (i) designing and constructing cableway installations, their infrastructure, subsystems and safety components and (ii) operating cableway installations.	Improving the safety of cableways installations.
59	Internal Market/Others	Data dictionary for reporting to financial sector supervisory authorities	<a href="#">COM(2021) 798 - Strategy on supervisory data in EU financial services</a>	<a href="#">Regulation (EU) 2019/876 amending Regulation (EU) No 575/2013 as regards the leverage ratio, the net stable funding ratio, requirements for own funds and eligible liabilities, counterparty credit risk, market risk, exposures to central counterparties, exp</a>	Development of a new European standard for the description of the content and format of data reported by entities active in the financial sector to the relevant authorities for the purpose of financial supervision and data disclosed to the public under various legislative frameworks.  The standard should ensure the data is described in a structured, comprehensive, consistent, and unambiguous manner, using terms anchored in legislation to establish a clear link between collected and/or disclosed data items and the relevant legislative requirements.	The long-term objective is to modernise EU supervisory reporting and put in place a system that delivers accurate, consistent, and timely data to supervisory authorities at EU and national level, while minimising the aggregate reporting burden for all relevant parties.  Data standardisation and a common understanding of the data collected and disclosed under different legislative frameworks will make it easier to use digital technologies and simplify the transmission, validation, and analysis of the data.

60	Internal Market/Others	Gas appliances	<a href="#">Regulation (EU) 2016/426 on appliances burning gaseous fuels</a>		Develop new or revise existing European standards, to support state-of-the-art technology in the field of appliances burning gaseous fuels.	Ensuring health and safety as well as rational use of energy (energy efficiency) for appliances burning gaseous fuels.
61	Internal Market/Others	Interoperability of the rail system	<a href="#">Directive (EU) 2016/797 on the interoperability of the rail system within the European Union</a>		Develop new or revise existing European standards and standardisation deliverables in support of the application of Directive (EU) 2016/797.	The main objective is to ensure a high level of interoperability of the rail system keeping account of technological (digital) developments and ecological (green) constraints.
62	Internal Market/Others	Lifts and safety components in lifts	<a href="#">Directive 2014/33/EU on the harmonisation of the laws of the Member States relating to lifts and safety components for lifts</a> , <a href="#">Commission Implementing Decision (EU) 2021/76</a> and <a href="#">Commission Implementing Decision (EU) 2021/1220</a>		Develop new European standards, update existing standardisation deliverables and adapt the Commission work programme implementing Decision (EU) 2021/76 and Decision (EU) 2021/1220 for delivering timely and state-of-the-art standards.	Ensuring a high level of health protection and safety and, where appropriate, safety for property, and guaranteeing fair competition on the EU market.
63	Internal Market/Others	Low Voltage direct current technologies	<a href="#">COM(2022) 221 final- EU Solar Energy Strategy</a>		Develop European standards and European standardisation deliverables supporting the integration of solar electricity into the energy system.	Contribute to the rapid deployment of Solar photovoltaics (PV) and solar thermal technologies.
64	Internal Market/Others	Machinery products	<a href="#">Proposal for a Regulation of the European Parliament and of the Council on machinery products COM(2021) 202 final</a>		Develop or revise European standards for machinery products to cover the new essential safety and health requirements of the proposed Regulation.	The main objective is to ensure the health and safety through assuring hENs are maintained reflecting the generally acknowledged state of the art. Availability of hENs will facilitate market access in particular for SMEs. Users and owners of machinery products will benefit from improved safety and may benefit from knock-on effects such as efficient use of energy and easier access to innovative technologies. Economic operators will benefit from legal certainty.
65	Internal Market/Others	Making harmonised standards inclusive/gender-responsive	<a href="#">Directive 2014/53/EU on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment</a>		Development and revision of standards related to safety and health, so that all anthropometric references (1) are based on data that is representative for the whole European population and (2) consider all relevant anthropometric dimensions. The standards should consider more body dimensions i.e. not just height but also the shapes of the spine and the hip bones. Standards should be developed to account for gender differences but also differences among humans more generally.	The main objective is to move away from working with anthropometric averages to start working with ranges, so that products are safe for people with all body dimensions. The development of such standards, which would also implement the UNECE Declaration on gender-responsive standards, would make product safety fairer.
66	Internal Market/Others	Medical devices and in vitro diagnostic medical devices	<a href="#">Regulation (EU) 2017/745 on Medical Devices (MDR)</a>	<a href="#">Regulation (EU) 2017/746 on In Vitro Diagnostic Medical Devices (IVDR)</a>	Revise existing and develop new European standards for design and manufacturing of: – medical devices covered by Regulation (EU) 2017/745 (MDR) – in vitro diagnostic medical devices covered by Regulation (EU) 2017/746 (IVDR) The standards will apply to design and manufacturing, risk management and the obligations on economic operators and sponsors – including those relating to: – quality management systems – risk management – clinical investigations and performance studies – clinical evaluation	Ensuring the smooth functioning of the single market as regards medical devices, by setting high standards of quality and safety for medical devices and in vitro diagnostic medical devices. These should meet common safety concerns as regards such products, thus ensuring a high level of health protection and safety for patients, users and other people.
67	Internal Market/Others	Methane emissions reduction	<a href="#">COM/2021/805 final Proposal for a Regulation on methane emissions reduction</a>		Development of new European standards on the quantification of methane emissions in oil, gas and coal operations. Development of new European standards on surveys to detect and repair methane leakages in oil and gas operations.	The development of the standards will support measures aimed at methane measurement and mitigation and related effects on innovation, cost-effectiveness, and a level-playing field in maintenance of a well-functioning internal market warrant coordination across Member State borders.
68	Internal Market/Others	Pre-cast concrete products	<a href="#">Regulation (EU) No 305/2011 on construction products</a>		Development and updating of European standards for assessing the performance of construction products	The main objective is the improvement of the Internal Market by providing common "Declaration of Performance" for construction products, therefore removing the need for additional testing in different Member states.
69	Internal Market/Others	Pressure equipment	<a href="#">Directive 2014/68/EU of 15 May 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of pressure equipment</a>		Revise existing standards and develop new standards for pressure equipment or assemblies	Improving safety and facilitating market access for small and medium-sized firms. This will make EU companies more competitive in the global marketplace.
70	Internal Market/Others	Public procurement	<a href="#">Directive 2014/24/EU on public procurement</a>		Develop European standards for the electronic procurement end-to-end life cycle to ensure or enhance interoperability between differing technical formats or process and messaging.	The action aims to remove obstacles to interoperability of electronic procurement, not only within each Member State but also and especially between the Member States
71	Internal Market/Others	Safety of toys	<a href="#">Directive 2009/48/EC on the safety of toys</a>		Develop new or revise existing European standards to support state-of-the-art technology on the safety of toys and on chemicals in toys.	Addressing technological developments in the toy market which have raised issues with respect to safety and created increased consumer concerns.



72	Internal Market/Others	Simple pressure vessels	<a href="#">DIRECTIVE 2014/29/EU on the harmonisation of the laws of the Member States relating to the making available on the market of simple pressure vessels</a>		Revise existing standards in the EN 286 series and develop new standards.	Improving safety and facilitating market access for small and medium-sized firms. This will make EU companies more competitive in the global marketplace.
73	Internal Market/Others	Structural metallic products	<a href="#">Regulation (EU) No 305/2011 on construction products</a>		Development and updating of European standards for assessing the performance of construction products - structural metallic products	The main objective is the improvement of the Internal Market by providing common "Declaration of Performance" for construction products, therefore removing the need for additional testing in different Member states.
74	Internal Market/Others	Weighing and measuring instruments	<a href="#">Directive 2014/31/EU Non-Automatic Weighing Instruments</a>		Develop new or revise existing European standards to support state-of-the-art technology in the field of weighing and measuring instruments.	(i) Protecting the public against incorrect results from weighing operations by means of non-automatic weighing instruments when used for certain categories of applications; (ii) Supporting correct and traceable measuring instruments that can be used for a variety of measurement tasks which directly and indirectly affect people's daily lives in many ways. These tasks are made for reasons of public interest, public health, safety and order, environmental protection, consumer protection, levying taxes and duties and fair trading. They may require the use of legally controlled measuring instruments.
75	Resilience	Additive manufacturing techniques	<a href="#">COM/2020/98 final - A new Circular Economy Action Plan For a cleaner and more competitive Europe</a>		Develop European standards in support of additive manufacturing, including 3D/4D printing, covering metal, polymer, ceramic, and other material-based manufacturing systems.	The aim of the action is to contribute to energy efficiency, increase competitiveness of new multi-materials items and multi-functional materials and products for a wide range of applications in the additive manufacturing.
76	Resilience	Critical raw materials for batteries of electric vehicles	<a href="#">Proposal for a Regulation concerning batteries and waste batteries, repealing Directive 2006/66/EC and amending Regulation (EU) No 2019/1020</a> <a href="#">COM/2020/798 final</a>		Development of European standards for the mining, refining, processing and recycling of minerals and materials used for battery production.	The aim is to adapt the value chain of minerals and materials used for battery production to sustainable sourcing practices and to support the efficient functioning of recycling markets to increase the availability of quality secondary raw materials.
77	Resilience	Secure satellite communication systems	<a href="#">COM(2022) 57 final, 2022/0039 (COD), Proposal for a Regulation establishing the Union Secure Connectivity Programme for the period 2023-2027</a>		Develop standards in support of the exploitation and development of EU Space Programme components, including but not limited to European standards for satellite communication services	Support the establishment of a Union secure satellite communication system that ensures the provision of worldwide secure, flexible and resilient satellite communication services to the Union and Member States governmental entities.
78	Resilience	Single-use input materials needed for the production of COVID-19 vaccines	<a href="#">COM(2021)35 final - A united front to beat COVID-19</a>		Develop European standards for single-use items needed for the production of vaccines and therapeutics in order to enhance the inter-operability of key production components and minimise the risk of production disruptions in case of shortages of these materials.	The prime objective is to ensure the availability at manufacturing sites and in sufficient volumes of the required materials for the production of vaccines and the interoperability of certain components.
79	Resilience	Space traffic management and market uptake of space data	<a href="#">Regulation (EU) 2021/696 establishing the Union Space Programme and the European Union Agency for the Space Programme</a>		Develop European standards for space traffic management. Develop European standards to support user and market uptake of space data and services provided by the EU Space Programme (Galileo, EGNOS, Copernicus, SSA, GOVSATCOM).	To: (1) reduce current and future operational risks and protect European space infrastructure; (2) increase user and market uptake of space data and services, by facilitating their integration in various sectors. These include autonomous and connected cars, railways, aviation, unmanned aerial vehicles, specialised user equipment.
80	Services	Facility management services for furniture	<a href="#">COM/2020/98 final - A new Circular Economy Action Plan For a cleaner and more competitive Europe</a>		Development of European standards and standardisation deliverables setting the service level and the quality requirements of the service providers for leasing furniture to businesses and institutions.	The aim of the action is to develop a service market on office furnitures which ultimately will lead to the reuse and repair of the furniture materials by the manufacturers.
81	Services	Minimum training requirements for civil engineers	<a href="#">Directive 2005/36/EC on the recognition of professional qualifications</a>		Develop European standard defining the minimum training requirements (i.e. skills, competences, and knowledge) for civil engineers.	The aim of the action is to set a common training framework which will facilitate the cross-border provision civil engineers' services.