



compliance & risks

# Welcome

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**EU Ecodesign & Energy Labeling: Recent Changes & Future Developments**

**Presented by: Dr. Alex Martin, RINA**

# At Compliance & Risks

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We help our clients monitor and manage regulations, standards, requirements and evidence to better mitigate risk.

Peace of mind

Brand protection

Increased market access

Future proofing of the business by aligning with global trends

# End-to-End Regulatory Solutions

## Market Access



- Customized research
- Consider new products & countries
- Compare obligations in multiple jurisdictions
- Understand regulations at a high level or deep analysis



## C2P Platform

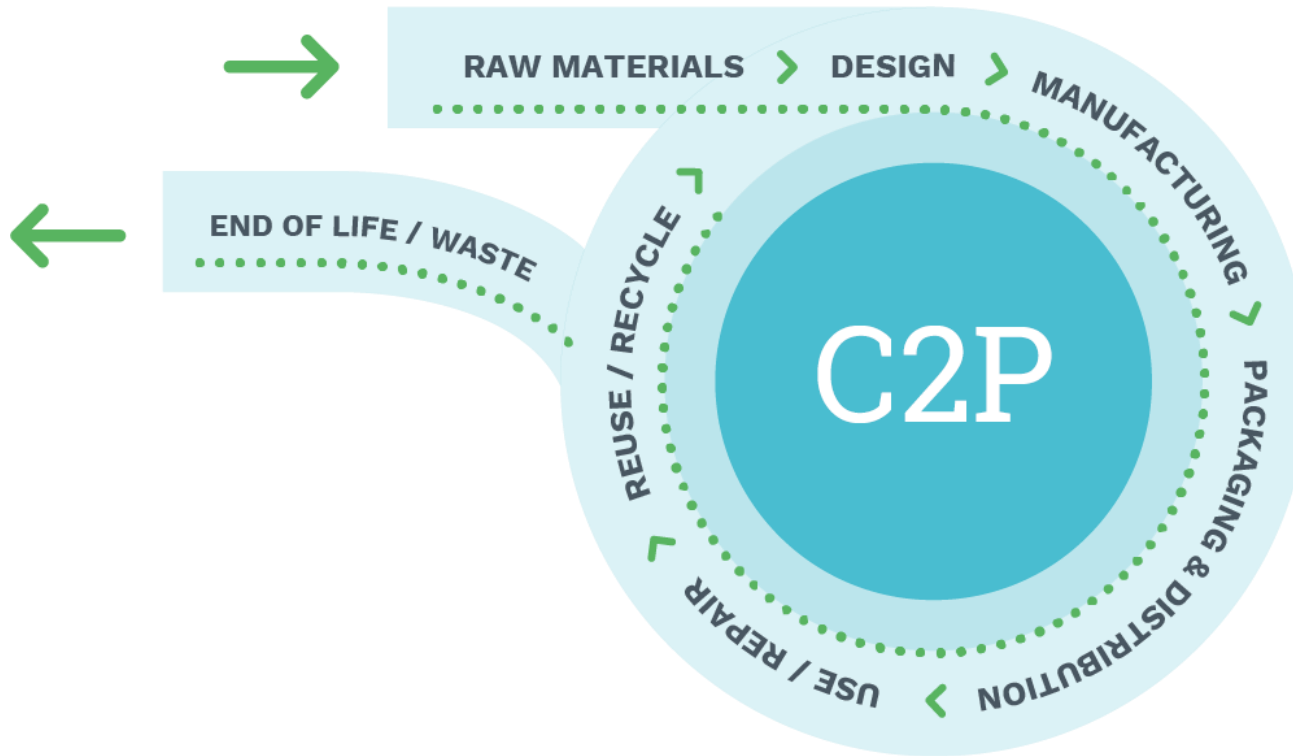
- Regulations, standards & requirements
- Proposed & enacted regulations
- Global daily monitoring and alerts
- Efficient workflow tools
- Knowledge Management
- SME support

## Managed Services



- Fulfil specific compliance functions
- Full suite of compliance skills
- 23 languages
- On-site and/or off-site delivery

# Content



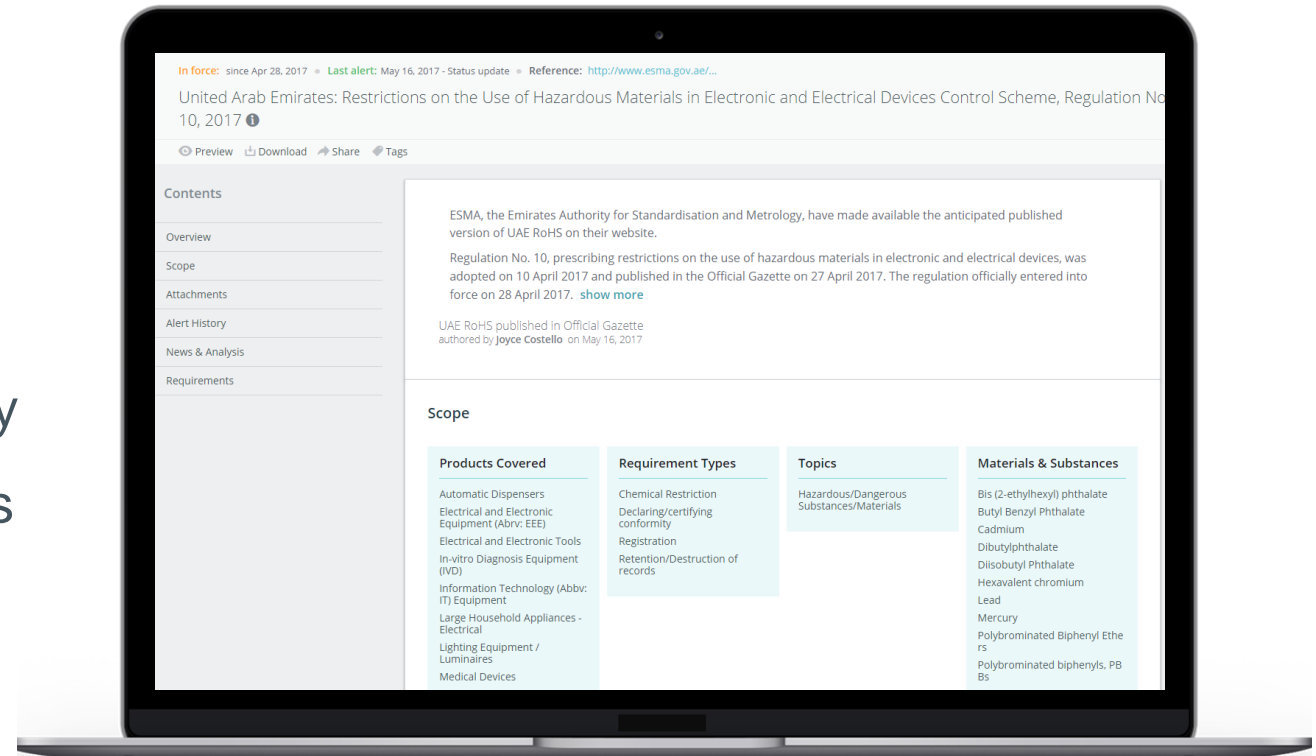
- Automotive
- Batteries
- Brexit News
- California Proposition 65
- Carbon Footprinting
- Chemicals in Products
- Chemicals Management
- Chemicals & EH&S: Environment
- Chemicals & EH&S: OH&S
- Circular Economy
- Climate Change
- Conflict Minerals
- Consumer Protection
- Corporate Social Responsibility
- COVID-19
- Cybersecurity
- Data Protection
- Ecodesign
- Ecolabeling
- EH&S (Environment)
- EH&S (Occupational Health & Safety)
- Electromagnetic Compatibility
- Electronic Waste/WEEE
- Energy Efficiency
- EU Drinking Water Directive
- EU REACH
- Food Contact Materials
- Globally Harmonized System
- Human Trafficking and Slavery
- Illegal Logging
- Medical Devices
- Nanotechnology
- Non-Financial Reporting Directive
- Packaging
- Product Safety
- Single-use Plastics
- Textiles
- Transboundary Movements of Hazardous Waste
- Transport of Dangerous Goods
- Water Efficiency
- Wireless

# Benefits for your Team

**Sooner:** advanced warning of trends and proposed regulations

**Faster:** understanding of regulations that matter with structured content, English summaries and the support of our regulatory compliance experts and knowledge partners

**Better:** all relevant content in one platform, along with the team's analysis and actions



# Answering Your Questions

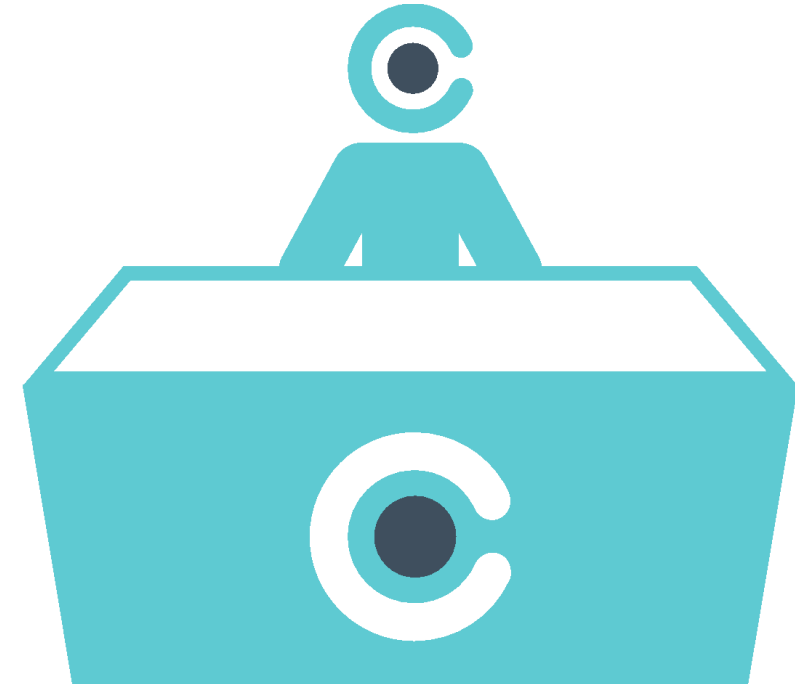
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## Ask Our Experts

- Premier access to our global regulatory compliance team
- Your questions answered about regulations

## Knowledge Partners

- Our global network shared with you
- Legal, business, supply chain and environmental specialists
- Providing 'on the ground' expert knowledge on hot topics
- Breaking news and analysis via your alerts





# EU Ecodesign & Energy Labeling: Recent Changes and Future Developments



# EU Ecodesign & Energy Labelling

*Recent changes and future  
developments*

Presented by  
**Dr Alex Martin**



# Introduction to RINA

## *A global engineering consultancy and TIC business*

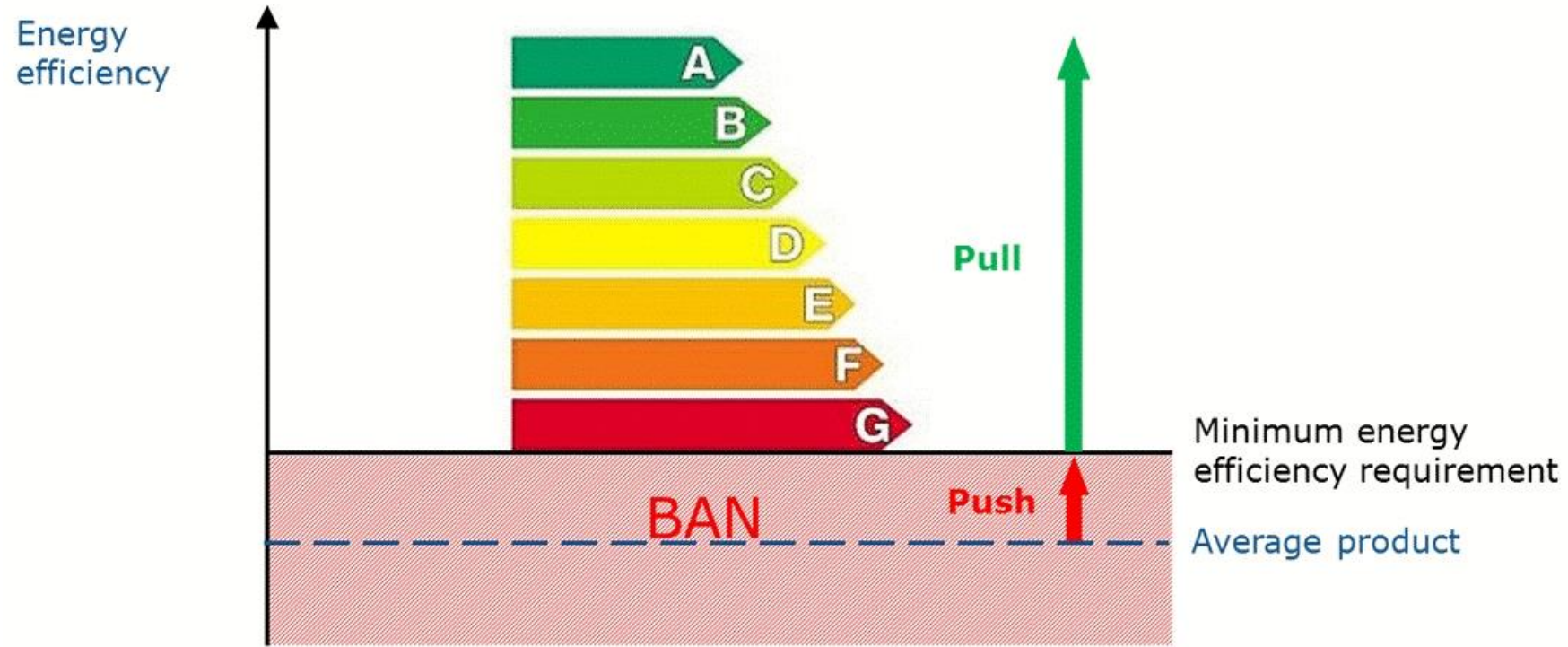


- RINA is an Italian-owned global business active across testing, inspection and certification as well as in engineering consultancy.
- In the UK, RINA's Industry service offering encompasses consultancy on technical and environmental regulation affecting electrical and electronic equipment. This is RINA's Product Regulatory Compliance service line.
- Within Product Regulatory Compliance, we consult on topics including electrical product safety, electromagnetic compatibility, chemicals, ecodesign and energy labelling, responsible sourcing, and extended producer responsibility.
- Specific to EU ecodesign and energy labelling:
  - We have previously undertaken ecodesign preparatory studies
  - We contributed to the study that informed the Third Ecodesign Working Plan
  - We hold the role of Independent Inspector under the Imaging Equipment Voluntary Agreement
  - We follow policy changes and legislative developments and comment upon them
  - We provide advice, guidance and support to individual businesses and trade associations.



**Some Building Blocks**

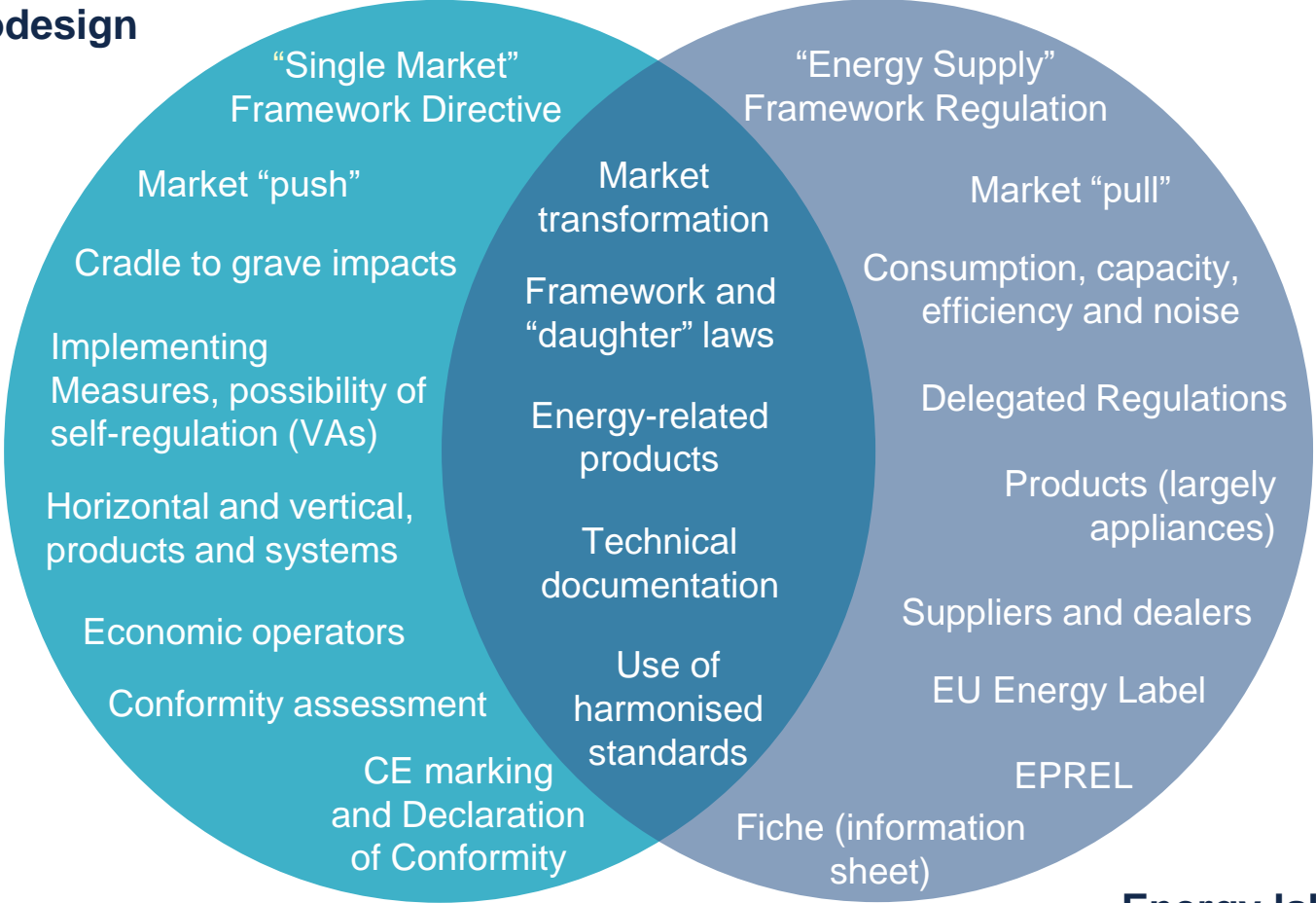
# Twin levers for market transformation



# Similarities and differences



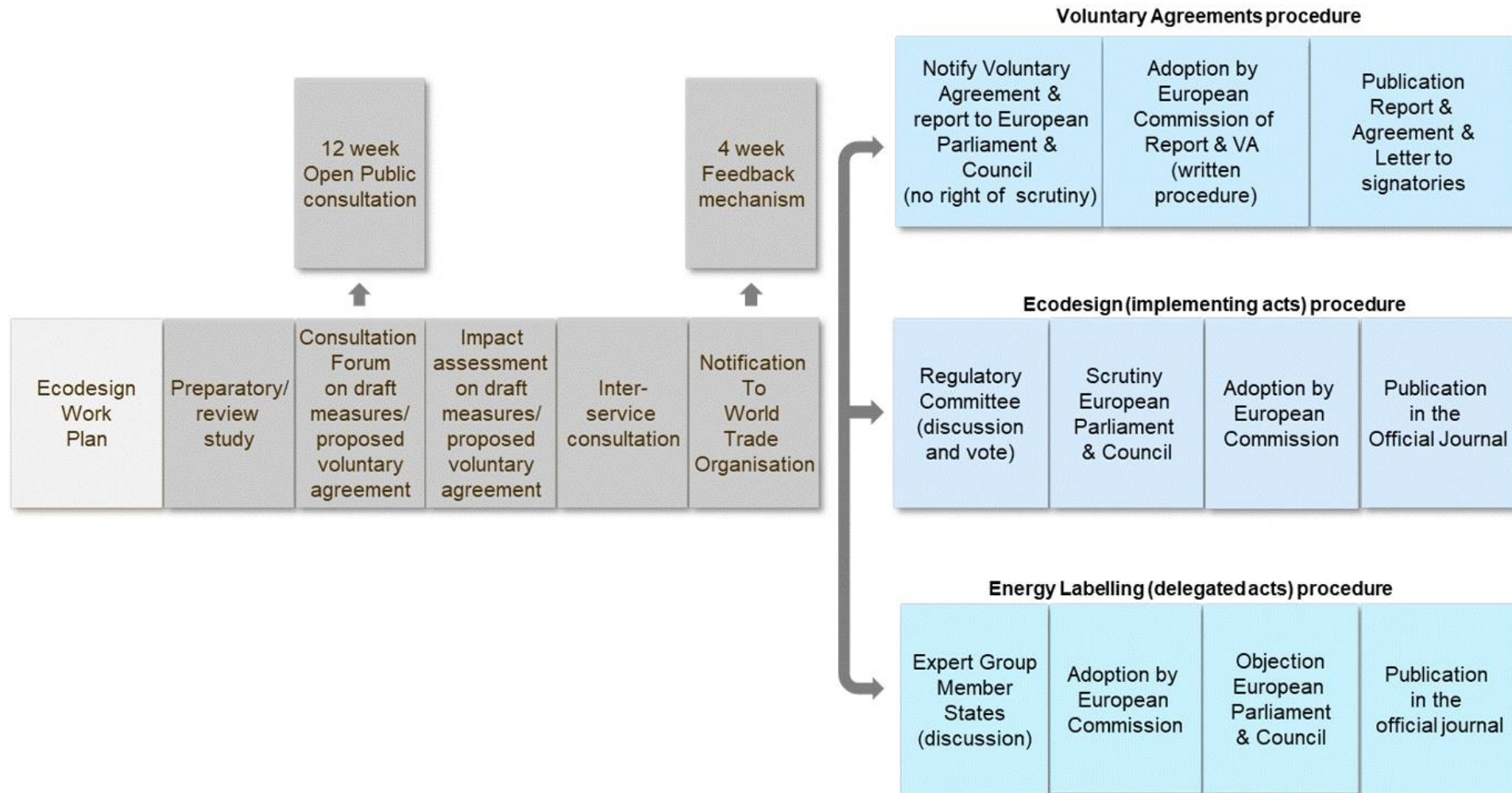
## Ecodesign



## Energy labelling

# Development process

*Measures are created through different procedures*



# Present status

## *State of play in August 2021*

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- 31 product groups are subject to ecodesign implementing measures, a few of which are “horizontal measures” (e.g. the Standby Regulation).
  - The European Commission could yet propose new measures for product groups assessed in the latest preparatory studies.
- Some of the more recent ecodesign legislation applied to welding equipment and “refrigerating appliances with a direct sales function”. Requirements applied from, respectively, 1 January 2021 and 1 March 2021.
- 15 product groups require an energy label.





# Recent Changes

# New material efficiency requirements

*Intention is one of furthering repairability/recyclability*



- New requirements have been introduced into the ecodesign legislation that applies to washing machines, dishwashers, refrigerating appliances, and electronic displays. These requirements relate to:
  - Component removability / design for reuse, repair and recycling
  - Component marking
  - The availability and delivery of spare parts
  - Provision of dismantling information
  - Access to repair and maintenance information.
- The Electronic Displays Ecodesign Regulation's material efficiency requirements also include labelling provisions and a halogenated flame retardant ban.
- New material efficiency standards have been adopted. These are generic (not specific) standards and, as yet, are without harmonised status.

# New energy efficiency requirements

*More stringent requirements are being phased in*



- As one example, the Electric Motors and Variable Speed Drives Ecodesign Regulation has been revised. New, more stringent energy efficiency requirements took effect on 1 July 2021. Further changes will occur from 1 July 2022 then 1 July 2023.
- As a second example, electronic displays must not exceed specified power demand limits when in off mode, standby mode, and networked standby mode. The limits applied from 1 March 2021.

# Energy labelling

*Rescaling is underway*

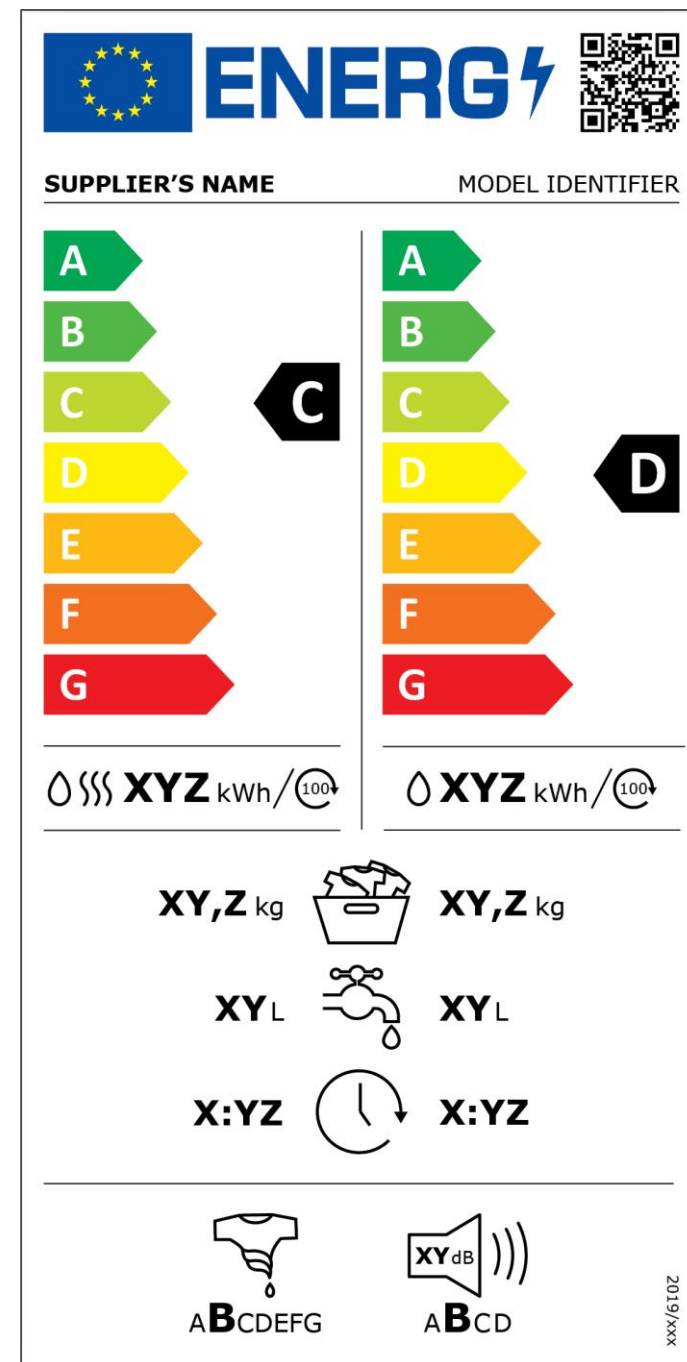
1. Washing machines and washer-dryers

2. Dishwashers

3. Electronic displays (not just TV screens)

4. Refrigerators

5. Light sources





**The Road Ahead**



# A new Working Plan for 2021-2024

*The first-ever joint Plan is poised for publication*



- The study to inform the next Working Plan concluded earlier this year. The study team recommended that various product groups be targeted for future regulation:
  - Professional laundry appliances and dishwashers / Professional cooking appliances
  - Low temperature emitters
  - Swimming pool heaters
  - Enterprise network equipment / Small network equipment for home and office use
  - Universal external power supplies / Uninterruptible power supplies
  - Industrial smart sensors.
- The study team also recommended that new horizontal measures get developed, e.g. to better promote lightweight design, to increase recycled content in products, and to reduce the use of scarce and critical raw materials.
- When published, the new Working Plan is anticipated to elaborate upon the European Commission's Circular Electronics Initiative.



# The Sustainable Products Initiative

*(from the EU Circular Economy Action Plan)*



- Supersized ecodesign?
- The intention is to widen the scope of the Ecodesign Framework Directive such that it applies to “the broadest possible range of products”.
- Future regulation will target the following aspects:
  - Improving product durability, reusability, upgradability and repairability
  - Increasing recycled content in products
  - Enabling remanufacturing and high-quality recycling
  - Reducing carbon and environmental footprints
  - Restricting single-use and countering premature obsolescence
  - Introducing a ban on the destruction of unsold durable products
  - Incentivising product-service systems
  - Furthering the digitalisation of product information
  - Rewarding products based on their different sustainability performance, including by linking high performance levels to incentives.



**Help and Resources**

# Useful online material and speaker contact details



- C2P for regulatory updates and expert commentaries
- [https://ec.europa.eu/growth/industry/sustainability/product-policy-and-ecodesign\\_en](https://ec.europa.eu/growth/industry/sustainability/product-policy-and-ecodesign_en)
- [https://ec.europa.eu/energy/studies\\_main/preparatory-studies\\_en](https://ec.europa.eu/energy/studies_main/preparatory-studies_en)
- <https://www.ecodesignworkingplan20-24.eu/the-study>
- <https://www.eceee.org/ecodesign/>
- Feel free to contact me direct on: [alex.martin@rina.org](mailto:alex.martin@rina.org)

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