

# POLICY APPROACHES AND SET OF PROPOSED POLICY OPTIONS FOR ENERGY SMART APPLIANCES

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# POSSIBLE POLICY APPROACHES

## FOR ENERGY SMART APPLIANCES



### Policy instruments

- Ecodesign
- Energy labelling
- Self-regulation (alternative to ecodesign)
- Voluntary labelling (Energy Star, Ecolabel etc.)

### Considerations

- Action vs no-action
- Technical vs information requirements
- Mandatory vs non-mandatory
- Horizontal vs vertical
- Standardisation

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- Voluntary ecolabel (etc.)

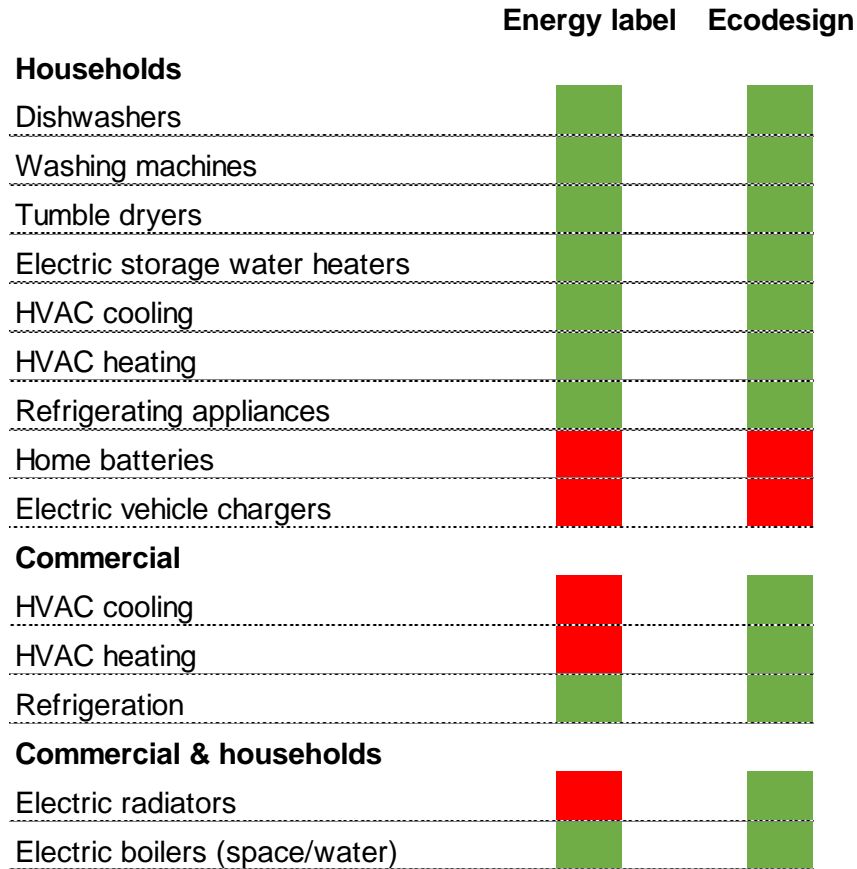
**ELIMINATED**

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# ECODESIGN & ENERGY LABELLING COVERAGE

FOR PRODUCTS IN SCOPE



# ECODESIGN TECHNICAL MINIMUM REQUIREMENTS

## MANDATORY

All appliances in scope need to be energy smart

### Benefits

- Lower cost per appliance (economies of scale reduces cost)
- Wide penetration – needed for ensure sufficient value
- Kickstart the market – from households to power system

### Disadvantages

- Many appliances would not be under agreement = costs without benefits
- Market not matured technologically = higher costs
- Low end products with less functionality requires more upgrading to be energy smart = higher costs
- Only benefit for users if enter agreement & no consumer choice

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# ENERGY LABELLING REGULATION



Icon on label if complies with technical requirement  
Amendment to existing regulation

# ECODESIGN INFORMATION REQUIREMENTS



Separate icon if complies with technical requirement  
Amendment to existing regulation



# HORIZONTAL VS VERTICAL

## Horizontal

- Easy to implement in one regulation..
- .. but amendments to vertical regulations can also be implemented in one regulation
- Harmonised requirements
- Lack of product specific adaptations

## Recommended

- Vertical implementation – horizontal set of requirements, where possible

# STANDARDISATION

## Typical

### Regulation:

- Requirements
- Overall verification procedure

### Standards:

- More details for verification, measurements etc.
- Condition for unit under test, environments, cable lengths etc.

## Energy smart appliances

### Possible content:

- Procedure to verify energy smart functionalities
- Procedure to verify interoperability
- Interoperability standard

# STRATEGIC DECISION



*The labelling option is the preferred policy instrument*

# PROPOSED POLICY OPTION

## FOR APPLIANCES IN SCOPE



### Covered by existing energy label regulation:

- Energy smart icon if comply with techn. req.
- Info: Energy consumption, protocols supported etc.

### Not covered by existing energy label regulation, but by ecodesign regulation:

- Energy smart icon as part of info req., if comply with techn. req.
- Info: Energy consumption, protocols supported etc.
- Additional technical req. for energy eff.

### Not under either:

- Preparatory studies to be launched

THANK YOU