

Product Category Targets

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Background

“Participating countries will work together to accelerate the development of new ways to improve the energy efficiency of networked devices”

“In 2015, this work will include consideration of options for goals for reducing the global standby mode energy consumption of networked devices”

[G20 Energy Efficiency Action Plan]

Work in 2015 led to...

- Statement of goals
 - “.....the need to take globally co-ordinated action to:*
 - a) Realise a world where devices and networks optimise energy management while delivering increased energy productivity across all sectors.*
 - b) Maximise network-enabled energy savings and minimise the energy consumption from all networks and networked devices.”*
- Commitment to develop **'appropriate network standby targets for different categories of end-user products'**.
- Aims to encourage improved efficiency and global harmonisation.
- Note that a single target (one size fits all) not considered suitable.

Working Group Terms of Reference

1. Determine the criteria for selection of end-user product categories suited for the application of targets.
2. Identify an initial set of end-user product categories.
3. Nominate network standby target values (individually or as tiers) with reference to existing policy measures.
4. Provide definitions of terminology, information on appropriate test methodologies and other information as considered useful.

Note:

- ToR agreed by consensus.

Participation

- Micheline Brown (Canada)
- Rich Miles (Australia)
- Richard Fassler (Power Integrations)
- Kieren Mayers (Sony Computer Entertainment Europe)
- Nathan Moin (HP)
- Tom Moriarty (Dell)
- Hans-Paul Siderius (Netherlands)
- Gary Verdun (Dell)
- Jan Viegand, (Danish Energy Agency)
- Henry Wong (Intel)
- Mark Ellis (4E - convenor)

3 meetings have been held to date in 2016

General

- Background document
 - Still disagreement over some issues
 - Shelved for the time being
- Agreed that targets should be consistent with:
- **CDA DESIGN PRINCIPLES FOR ENERGY EFFICIENT CONNECTED DEVICES**

Criteria for selection of end-user product categories suited for the application of targets

1. Product category must be clear and unambiguous.
2. Significant volume of sales.
3. Provide energy footprint impact and significant potential for improvement (energy savings): taking into consideration overall sales volumes, usage, and power consumption.
4. Absence of sufficient existing regulatory or ecolabel network standby targets.
5. Availability of a sufficient and relevant evidence and data to allow for sound analysis when determining appropriate targets.
6. Direct industry participation for any product category to be considered.

Initial ideas for possible product categories

NOTE: These are suggestions only – no decision made yet!

- White goods
- Lighting
- Heating systems
- STB with DOCSIS 3.1
- Printers & MFDs
- Mesh connected devices (eg. Speakers)
- Smart TVs
- Game Consoles
- Small network equipment

Next Steps

- Agree an initial set of suitable product categories
 - Continue to source potential product categories
 - Collect information
 - Identify and liaise with relevant industry representatives
- Consider relevant targets, taking account of:
 - Technical and economic feasibility.
 - Methods of test.
 - Impact on product and systems innovation.
 - Need for technology neutrality.

Key Issues

- The process is labour intensive and time consuming.
- Will this process deliver:
 - What governments want/need?
 - Improved alignment/harmonisation?