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ETSI ES 205 200 Factsheet

How do I use this methodology? Ask for support!

ETSI	ETSI ES 205 200: Access, Terminals, Transmission and Multiplexing (ATTM); Energy management; Global KPIs; Operational infrastructures	
Name of Initiative/Methodology	Access, Terminals, Transmission and Multiplexing (ATTM); Energy management; Global KPIs; Operational infrastructures Part 1: General requirements Sub-part 1: Data centres Sub-part 1: Data centres Sub-part 2: Fixed broadband access networks Sub-part 4: Cable Access Networks Sub-part 4: Cable Access Networks Part 3: Global KPIs for ICT sites	
Link to the latest published version	ETSI ES 205 200-1 (03/2014): Version 1.2.1 http://www.etsi.org/deliver/etsi_es/205200_205299/20520001/01.02.01_60/es_20520001v010201p.pdf ETSI ES 205 200-2-1 (03/2014): Version 1.2.1 http://www.etsi.org/deliver/etsi_es/205200_205299/2052000201/01.02.01_60/es_2052000201v010201p.pdf ETSI ES 205 200-2-2 (05/2018): Version 1.1.1 https://www.etsi.org/deliver/etsi_es/205200_205299/2052000202/01.01.01_60/es_2052000202v010101p.pdf ETSI ES 205 200-2-4 (06/2015): Version 1.1.1 http://www.etsi.org/deliver/etsi_es/205200_205299/2052000204/01.01.01_60/es_2052000204v010101p.pdf ETSI ES 205 200-3 (01/2017): Version 1.0.0 (On Approval) http://www.etsi.org/deliver/etsi_es/205200_205299/20520003/01.00.00_50/es_20520003v010000m.pdf	
Developed by	The European Telecommunications Standards Institute (ETSI)	
History and Status	Work started in 2013; still ongoing for Part 2 – Sub-part 3. Published from March 2014 (general requirements) until May 2018 (specific requirements)	
Involved companies / parties	Orange EADS Thales PSA Peugeot Citroen SFR (Part 2 - Sub-part 2 only) e-Ready Building Limited (Part 2 - Sub-part 2 only) Cable Europe (Part 2 - Sub-part 4 only) Cable Europe (Part 2 - Sub-part 4 only) RATEL (Part 2 - Sub-part 4 only) Liberty Global B.V. (Part 2 - Sub-part 4 only)	
Scope	 Organisation env. accounting Scope 1 Scope 2 Scope 3 	 Product env. assessment Life cycle approach Use phase only
	# GWP ✓ Energy # Other environmental impacts	 KPIs Energy consumption Task efficiency Energy reuse Renewable energy
System(s) covered by the methodology	Infrastructures of broadband deployment, including: Data centres (DC) Fixed broadband access networks (FAN) Integrated broadband cable telecommunication networks, including cable access networks	
Goals	 Improving energy management of the operational infrastructures through a reduction in energy consumption, improvements in task efficiency, the re-use of energy and the contribution of renewable energy Providing methodological framework for the definition and calculation of Global Key Performance Indicators (KPI) in relation to the objectives described above (one global indicator + 4 objective indicators) 	
Generic features	 The reduction in energy consumption and task efficiency are primary objectives Conditions to applying the energy re-use indicator: "Non-use" is better than "re-use" and therefore the preference is for energy consumption reduction rather than energy re-use; Re-use of energy should give the preference to heat generated from by ITE/INTE rather than from poorly designed facilities and infrastructures. Conditions to applying the renewable energy indicator: If all energy is renewable, the indicator shall encourage the application of other indicators If all energy is renewable, the indicator shall encourage the application of other indicators All indicators shall clearly define strict criteria for inclusion/exclusion with the formula Comparative costs and environmental impacts of different energy sources are outside the scope of the document. Recommendations and best practices are not in the scope of the document (a list of references is provided in the documents related to specific requirements). 	

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ICT-specific features	 All systems covered by the methodology are not intended table to operate within a common limits for the KPIs (e.g.: infrastructures required to deliver high reliability) Part 2: Specific requirements - Subpart 1: Data centres All FRA Ministructures required to deliver high reliability) Part 2: Specific requirements - Subpart 2: Data centres The energy provided to DC comes from utility (grid) or local sources (non-renewable) or renewable). A DC is unlikely to meet all of its energy needs from local renewable energy provided to DC comes from utility (grid) or local sources (non-renewable or renewable). A DC is unlikely to meet all of its energy needs from local renewable energy provided to DC comes from utility (grid) or local sources (non-renewable conception). Pate all of moults, measurement points and procedures, and criteria are provided for each of the considered indicators. Pate all of moults, measurement points and procedures, and criteria are provided for enexable in May meet their energy needs from local renewable energy only table is a provide to FAM comes from infigurity of a local sources (non-renewable energy into account. The acis may produce more energy than that required by a field access network site, allowing its reuse for other purposes. The acis may produce more energy than that required by a field access network site, allowing its reuse for other purpose. The 2: Specific requirements - Subpart 4: Cable Access Networks The acis mutum time difference in the periods of assessment shall b a 7 days Eatable formula, measurement points and procedures: an origin are browed for each of the considered indicators. The 2: Specific requirements - Subpart 4: Cable Access Networks The acis measurement points and procedures: an origin of a days is a days in the neary neaces from incal, renewable sources on the Nother nerewable en	
Examples of implementation / experience feedback	None identified	
Interaction with other methodologies	 [EC Mandate M/462] Standardisation mandate addressed to CEN, CENELEC and ETSI to enable efficient energy use of ICT networks EC DG JRC Code of Conduct for Data Centre Energy Efficiency EC DG JRC Code of Conduct on Energy Consumption of Broadband Equipment [ISO Guide 82] Guide for addressing sustainability in standards [ETSI TS 105 174] Access, Terminals, Transmission and Multiplexing (ATTM); Broadband Deployment - Energy Efficiency and Key Performance Indicators [ETSI TS 105 174] Access, Terminals, Transmission and Multiplexing (ATTM); Cable Network Handbook And many others for Sub-part 4 [EN 50600] Series: "Information technology - Data centre facilities and infrastructures" [EN 1434] Series: "Heat meters" 	

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