

Energy Efficiency and Telecommunications

Mike Gilmore

Managing Director
e-Ready Building

Mike Gilmore

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Telecommunications

ETSI STF-362

CLC TC215



UK Integration



Other DCEE Initiatives


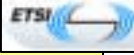


Mike Gilmore
Managing Director
e-Ready Building

Standards Activities


 *Member*
JTC1 SC25 WG3: Generic Cabling 
Convenor
JTC1 SC25 WG3 CITG: Cabling Implementation Task Group
JTC1 SC25 WG3 IPTG: Industrial Premises (Cabling) Task Group

 *Convenor*
TC215 WG1: IT Cabling 
Secretary
TC215 WG2

 *Leader - Special Task Force 362*
Energy Efficiency and Broadband Deployment 

 *Chairman*
TCT7: Telecommunications - Installation Requirements 
Chairman
TCT7/-/1: Cabling infrastructure design, planning and commissioning
TCT7/-/3: Cabling: Infrastructure standards - UK implementation panel

FIA www.fia-online.co.uk	<i>Technical and Standards Director</i> Fibreoptic Industry Association
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 www.fia-online.co.uk/TIAB	<i>Director</i> Telecommunications Infrastructure Advisory Board
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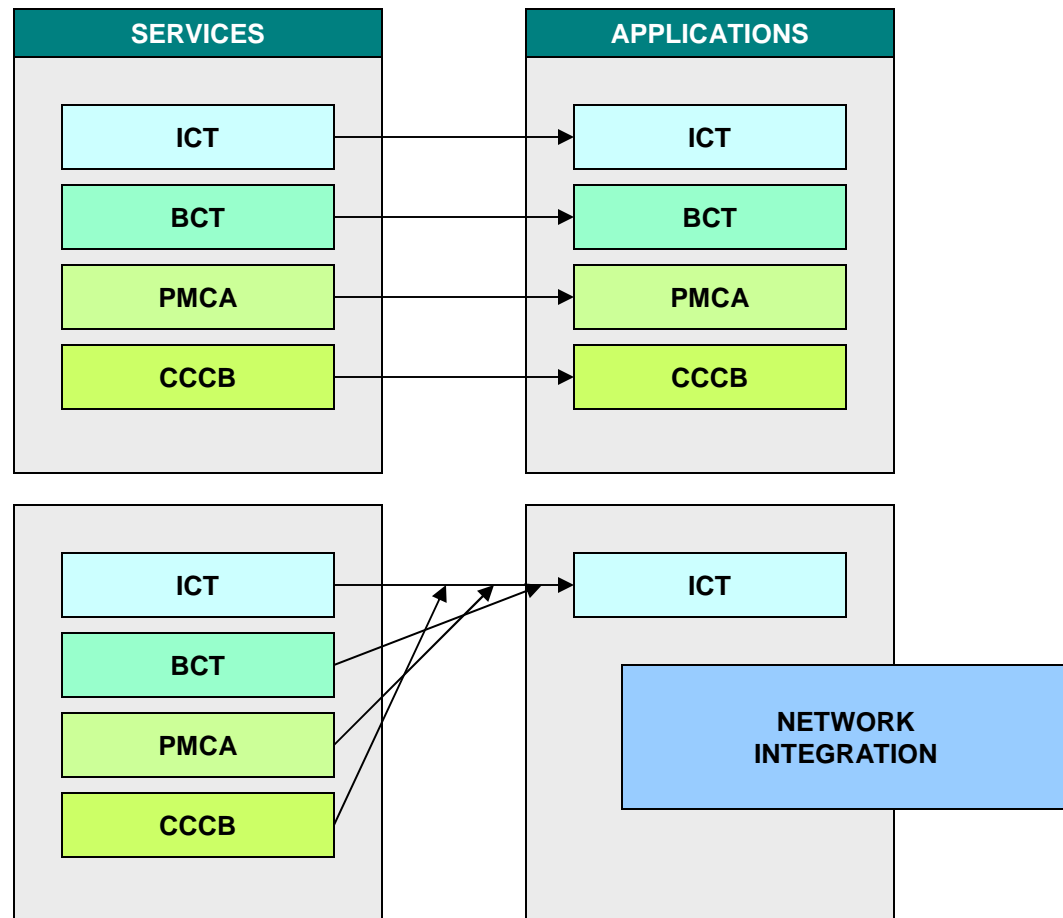
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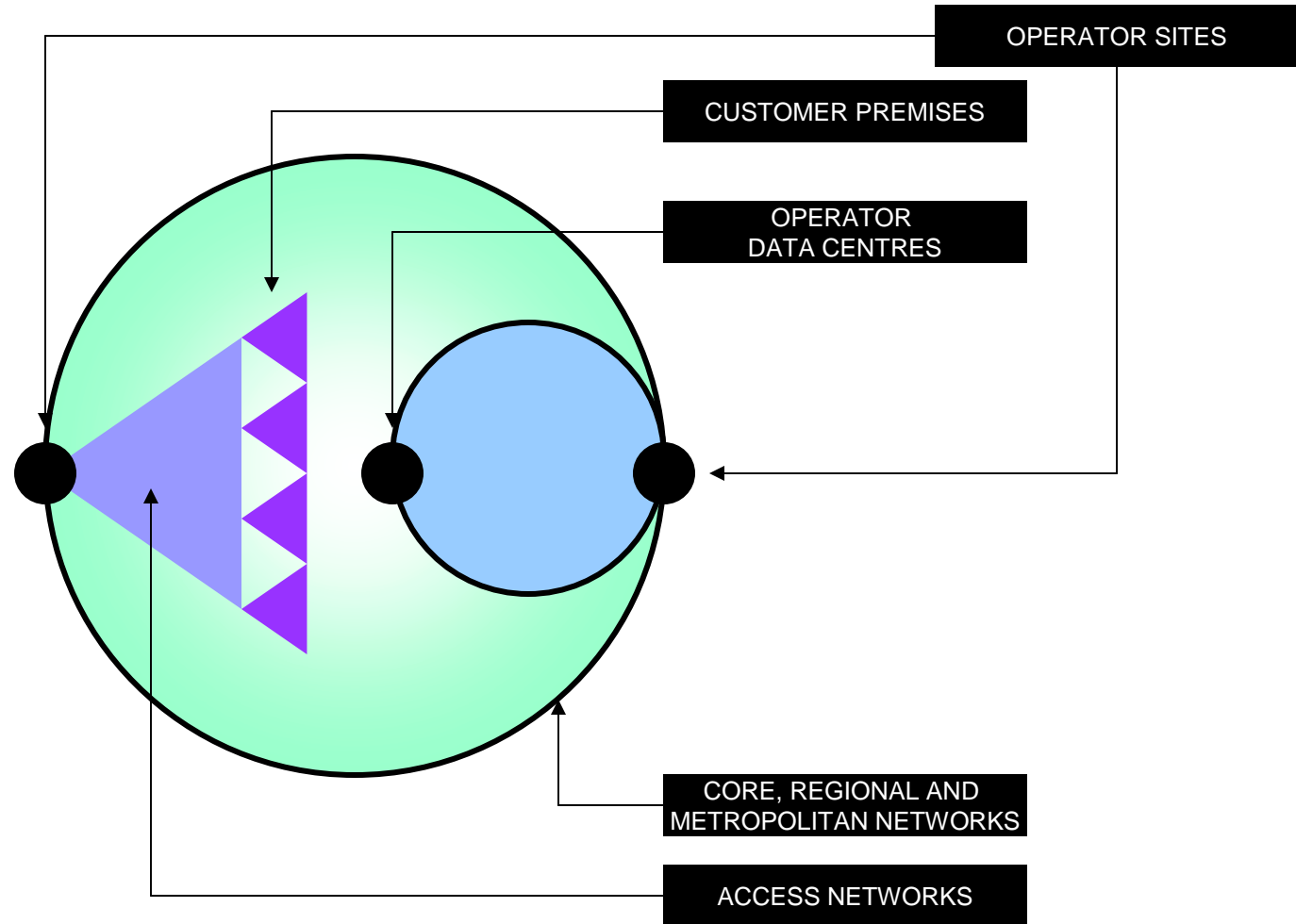
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Telecommunications Infrastructure

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© ETSI STF-362: Deliverables

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ENERGY EFFICIENCY AND BROADBAND DEPLOYMENT

Overview, common and generic aspects	TS 105-174-1
Network sites	
Operator sites	TS 105-174-2-1
Data centres	TS 105-174-2-2
Core networks	TS 105-174-3
Access networks	TS 105-174-4
Customer network infrastructures	
Homes (Single-tenant)	TS 105-174-5-1
Office premises (Single-tenant)	TS 105-174-5-2
Industrial premises (Single-tenant)	TS 105-174-5-3
Data centres (Customer)	TS 105-174-5-4
Multi-tenant premises (residential and commercial)	TS 105-174-5-5



ETSI STF-362: Timescales

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**ENERGY EFFICIENCY AND BROADBAND DEPLOYMENT****INITIATION**

9th September 2008

SESSION

1

4th/6th November 2008

SESSION

2

26th/27th November 2008

SESSION

3

16th/18th December 2008

SESSION

4

13th/15th January 2009

SESSION

5

17th/18th February 2009

SESSION

6

17th/18th March 2009


SESSION

7

21st/23rd April 2009

COMPLETION

May 2009



ETSI STF-362 - Overview

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Broadband provision is an enabling technology capable of supporting a reduction of global energy consumption (for example, by providing facilities such as home working and video conferencing to reduce travel demands). For this reason, it may not be the case that the total energy consumption of broadband networks will be reduced, though the application of effective energy efficiency measures will minimise any increases due to predicted service evolution.

For the purposes of this multi-part document, “energy efficiency” relates to the operational energy efficiency of broadband network sub-systems. It is not the intention .. to consider:

- implications for carbon “footprint”;
- resources used to construct the sub-systems;
- the renewable nature of the energy used.

Possible energy efficiency gains from the design of new network sub-systems are expected to differ from, and generally offer greater outcomes than, those that may be applied to existing infrastructures.

The scale of energy efficiency gains and the measurable impact also varies between the different network sub-systems.

The outcomes of energy efficiency measures at network sites .. are expected to be substantial but apply in only a relatively small number of locations but may prove vital where availability of power is restricted.

Although the saving within individual access and customer networks will be very much smaller, their totality may very well outweigh the energy efficiency gains elsewhere due to the very large number of customers, thus justifying their consideration and implementation.

CENELEC TC215

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	CLC TC215	Electrotechnical aspects of telecommunication equipment
	WG1	Design, specification and quality assurance of information technology cabling
	EN 50173-x	Generic cabling - DESIGN
	EN 50173-2	Generic cabling - Offices premises
	EN 50173-3	Generic cabling - Industrial premises
	EN 50173-4	Generic cabling - Homes
	EN 50173-5	Generic cabling - Data centres
	Generic cabling - General requirements	EN 50173-1
	CLC TC46	Balanced and coaxial cables
	CLC TC48	Balanced and coaxial connecting hardware
	CLC TC86A	Optical fibre cables
	CLC TC86BXA	Optical fibre connecting hardware
	EN 50098-X	ISDN cabling - DESIGN
	EN 50174-1	Cabling installation - Specification and QA
	EN 50346	Cabling - Testing of installed cabling

 **CENELEC TC215****CONTENTS**

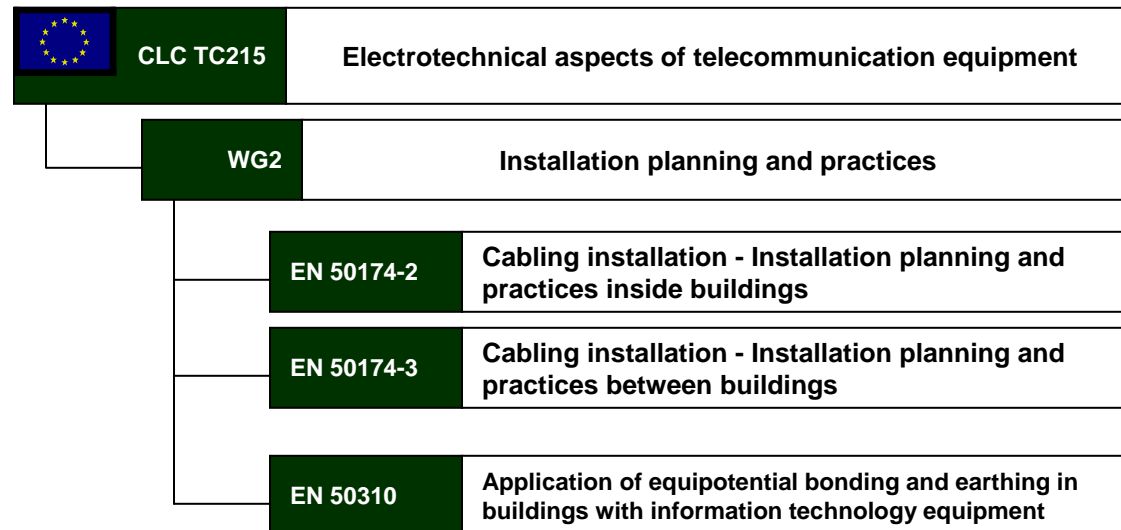
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UK Infrastructure Standardisation

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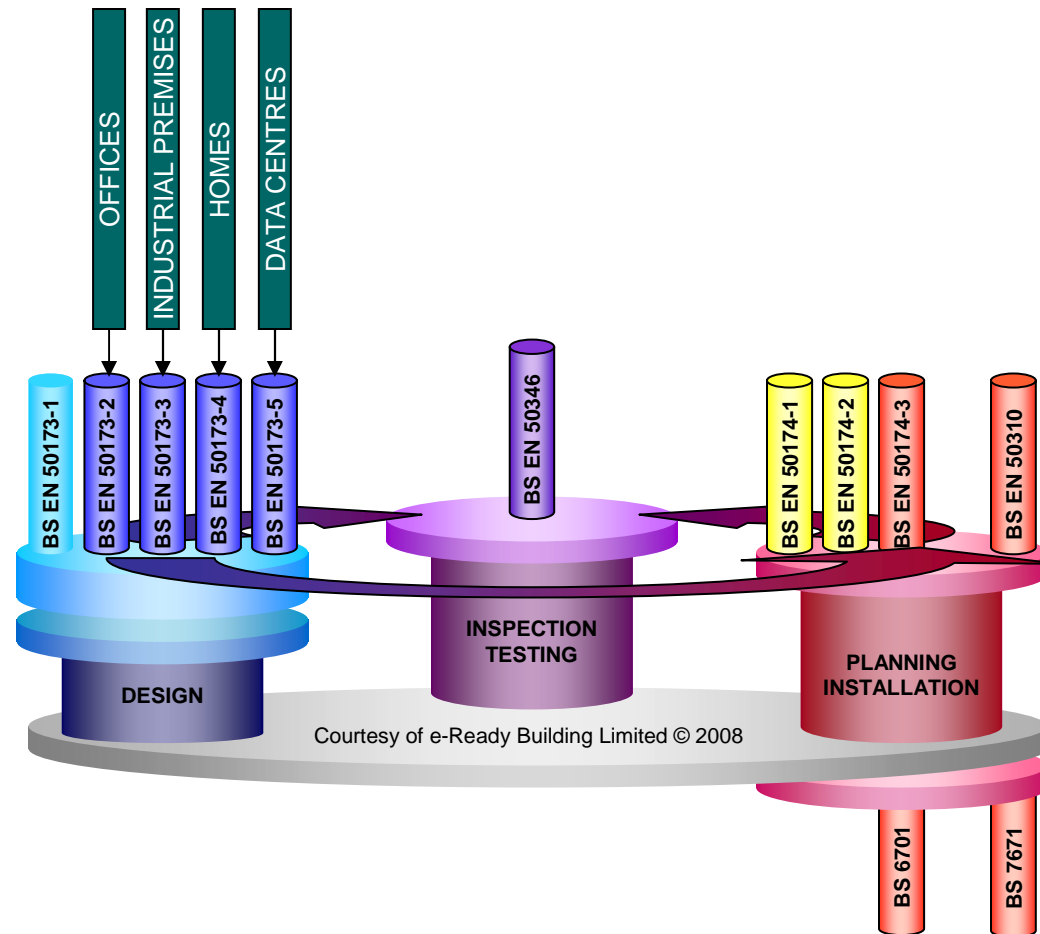
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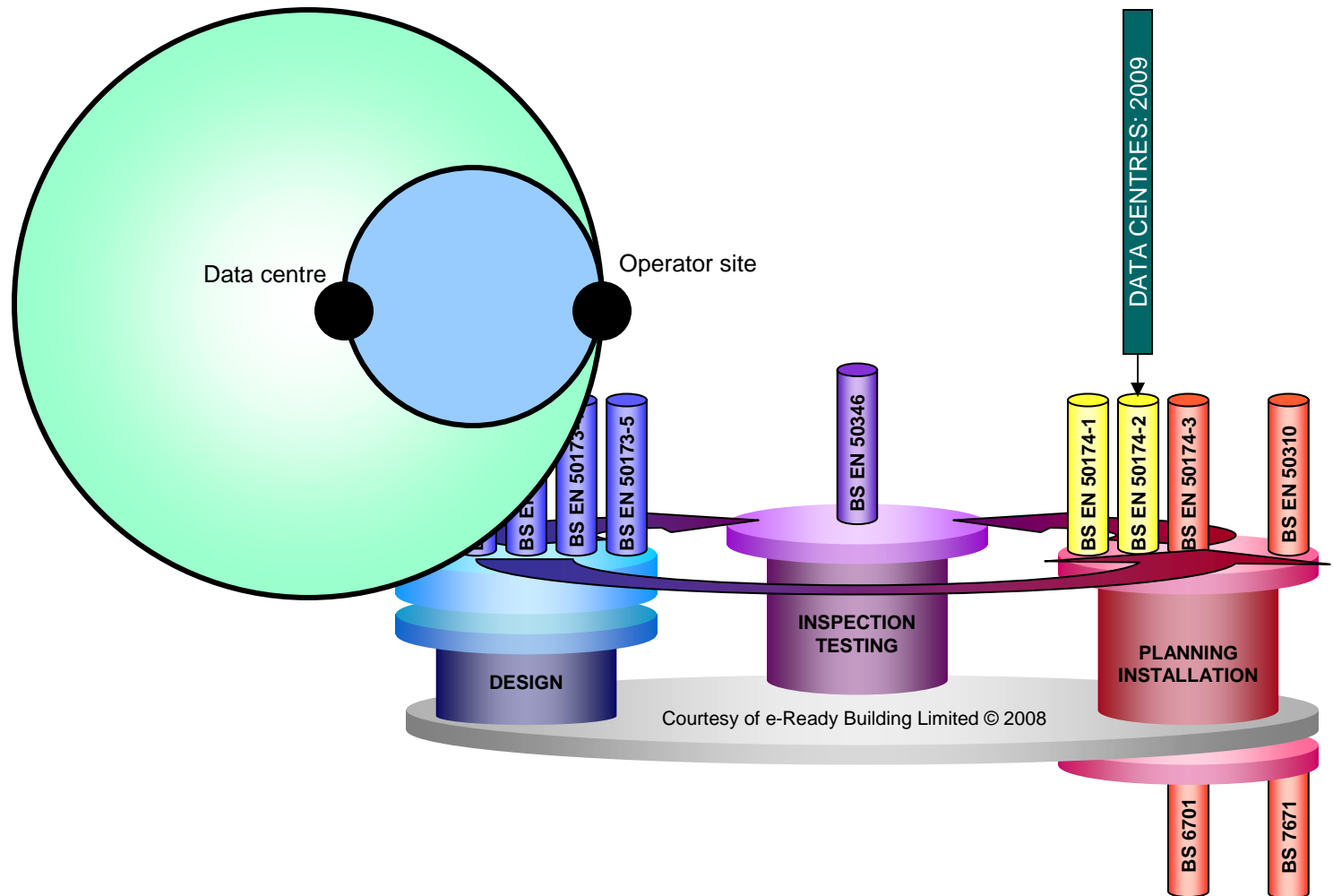
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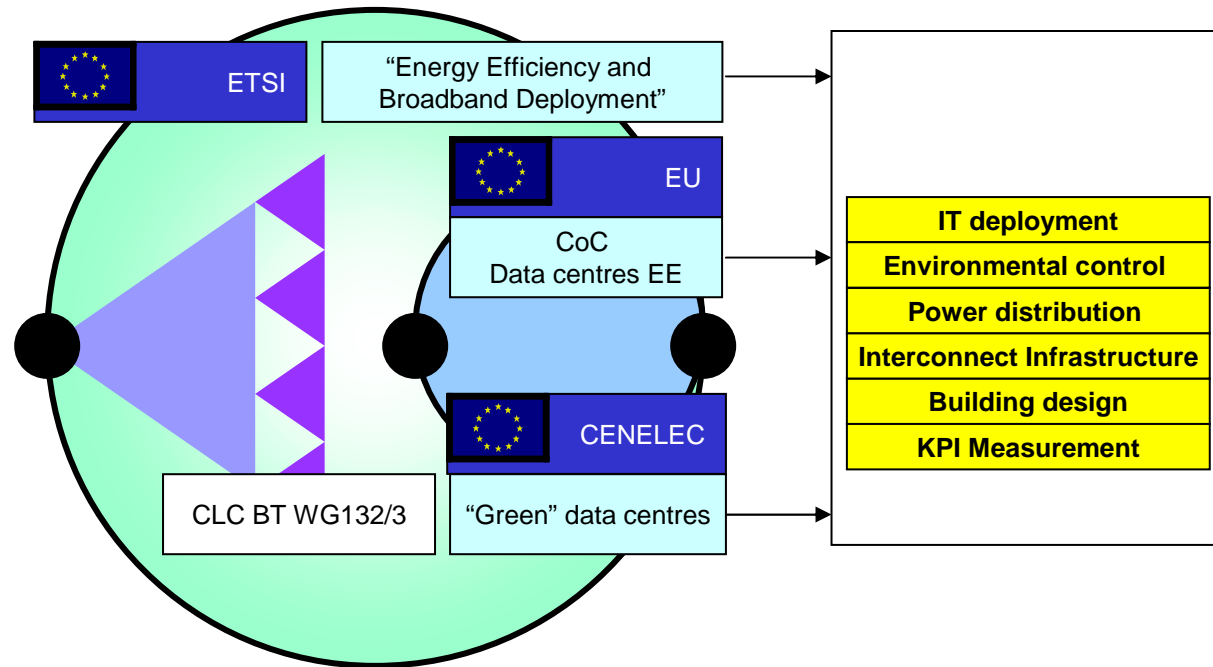
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Data Centre EE Initiatives

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TIA-B EE Initiatives

The screenshot shows the main content area of the TIA-B website. On the left is a navigation menu with links for Home, About the TIA-B, TIA-B is hosted by (CMA Infrastructure Forum, ECA-ITEC, FIA), Password-protected areas (TIA-B Members, TIA-B Projects, TIA-B Directors), Key links (TIA-B and BSI, TIA-B and BICSI), Advertising on this web-site, and TIA-B is supported by (BicSI logo). The main content area features a 'Green IT Activities' section with a paragraph about green IT and a list of TIA-B Host activities (CMA, ECA-ITEC, FIA). Below this is an 'EU Activities' section with links for Code of Conduct on Data Centre Energy Efficiency, Code of Conduct, and Best Practices. To the right, there are links for Exhibitions and Conferences (Green IT 09) and Media (18th December: Daily Telegraph). At the top right of the content area, there are links to 'Join the CMA', 'Join the ECA', and 'Join the FIA'.



TELECOMMUNICATIONS INFRASTRUCTURE ADVISORY BOARD

▶ HOME
📧 Contact the TIA-B

▶ About the TIA-B

TIA-B is hosted by:
▶ CMA Infrastructure Forum
▶ ECA-ITEC
▶ FIA

Password-protected areas
▶ TIA-B Members
▶ TIA-B Projects
▶ TIA-B Directors

Key links
▶ TIA-B and BSI
▶ TIA-B and BICSI

➤ Advertising on this web-site

TIA-B is supported by:

advancing information transport systems

Green IT Activities

"Green" IT has become a familiar term in the industry and there a multitude of different activities involving the improvemnt of green credentials. This page provides information and links to some of those.

TIA-B Host activities

- ▶ CMA
- ▶ ECA-ITEC
- ▶ FIA

Exhibitions and Conferences

Green IT 09

Media

18th December: Daily Telegraph

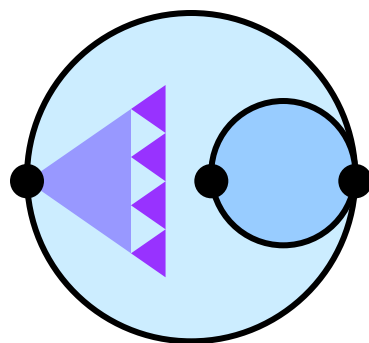
EU Activities

- ▶ Code of Conduct on Data Centre Energy Efficiency
- ▶ Code of Conduct
- ▶ Best Practices

Standards Activities

- ▶ CENELEC
- ▶ ETSI

- Join the CMA
- Join the ECA
- Join the FIA



Energy Efficiency and Telecommunications

The End