

ErP Study: Lot 2 Distribution and Power Transformers comments on Chapters 1-5 (August 2010)

ID	Stakeholder	Section	Page	Comment	Answer Vito and Biois
	T&D Europe	2	127	Just a later information "COTREL" is replaced by "T&D Europe" in the last paragraph	Modified
	T&D Europe Task 4	4.3.1	178	Explanation should be given about conversion factor from 3.31 TJ and (315MWh this value is ok)	OK, the text will be updated.
	T&D Europe	5	208	Last sentence :Recovery of the waste..... it is available technology in UK and perhaps Sweden,.....Scandinavia?	Will be removed from the summary as it is less relevant indeed and not advanced technology neither under development (see related section)
	T&D Europe	5.1.2.4	222	Add information just after the second paragraph :during the process due to the brittleness there are some risk of particles inside the active part of the transformers that could lead to dielectric breakdown	OK added in the third paragraph that discusses brittleness
	T&D Europe	5.1.2.4	222	Last paragraph: Replace Curie by curing	<p>This info was provided by METGLAS and is assumed to be correct.</p> <p>The Curie temperature of a ferromagnetic or a ferrimagnetic material is the reversible point above which it becomes paramagnetic.</p> <p>To be double checked</p>

Stakeholder comments

	T&D Europe	5.1.2.5	226	Price data paragraph:It is assumed that price.....are about 250% and 700% according to the kind of liquid.	Adapted
	T&D Europe	5 Annex B	240	Reference price 8888€ is not taken into account in paragraph Task 6.1.1.1 as indicated in Task 5 in yellow on page 231. Similar comments from BC 2 to BC 6	Thanks for point this out. The text needs to be streamlined in relation to the reference prices that were found in the enquiry The reference prices that were the outcome of the enquiry will be added in annex C
	Hitachi Metals	Chapter 2.3.8		North America: The United States has one of the largest installed bases and the longest operational experience. Currently, AMTs are neither produced in this country nor being installed in any significant quantity. With the new DOE regulation in place the market for Amorphous Transformers re-surfaced in 2010, approaching the levels of the mid 1990.	Adapted
	Hitachi Metals / Metglas	2.3.8 Market introduction of Amorphous Metal Distribution Transformers (AMDT) North America: The United States has one of the largest installed bases and the longest operational experience. Currently,	120	Hitachi Metals/Metglas would like to point out that the section on the US Market states that AMDT's are neither produced or are being installed in any significant quantity. While this was true a few years ago (if you do not include Mexico which as been making AMDT's since the mid 2000's), recent developments have resulted in a strong resurgence of AMDT's in the US with all major transformer makers producing AMDT's at some volume level and some also making their own AMDT cores using newly installed equipment. AMDT growth in the US market is currently very strong.	Adapted as suggested above

Stakeholder comments

		AMTs are neither produced in this country nor being installed in any significant quantity.			
	ECI	Chapter 3		Thanks for this. In fact we are really impressed by amount and quality of work you have done. We still have doubts if 20% average loading for power transformers category is the right figure but as we have no other precise calculation we agree to rely on this.	Noted
	Asia Energy Platform (AEP)	2.2.6.9	117	Comments: In your recent report published on April 2010, you have referred to our advisor Mr. Jerry Li's earlier article regarding amorphous metal transformer deployment in China (ref. 44). We'd like to inform you that the growth in China has been very significant since the article has been published. For 2010, the projected installation in China will be about 30,000,000KVA.	Text added
	Econ BV Wuppertal Institute	Two remarks related to the use of EN 50541-1 new standard on dry-type transformers for vote		Answer related to this requests: FPrEN 50541-1 on dry type transformers has been released during the project and related info was also received along the project from T&D Europe and CENELEC TC14 members, the draft is now also public available for sale: http://www.vde-verlag.de/standards/1532075/vde-0532-241-din-en-50541-1-2010-01.html Base cases were based on T&D input on double checked on catalogue data, later on they closely fitted with the	As mentioned will need an update in all sections to refer to the standard and appropriate voltage

Stakeholder comments

				<p>FPrEN 50541-1 classes (17.5 to 24 kV table).</p> <p>Chapter 1 included the below 12 kV table (p.58 table 1-6) was updated in parallel with the completion of chapter 6 that is based on the 17.5 to 24 kV table.</p> <p>Therefore the link is lost and it is unclear and confusing, therefore this will be fixed in the final update.</p>	