

## PUBLIC STATEMENT ON T&D EUROPE COMMODITIES INDICES

T&D EUROPE (the European Association of the Electricity Transmission and Distribution Equipment and Services) is representing all relevant European national associations of manufacturers of equipment and solutions in the field of transmission and distribution of electricity. It was created in March 2008 by the merger of two European sector committees, CAPIEL HV and COTREL. The companies represented by T&D EUROPE account for a production worth over €25 billion and employ over 200,000 people in Europe.

### **Publication of index data since 2006**

T&D EUROPE published the first index values for January 2009. Previously COTREL started in February 2006 with continuous publication of data on commodities with relevance to transformers. The positive reaction on this comprehensive indication of the development of commodities in the transformer market resulted in the continuation of a regular publication by T&D EUROPE. The T&D EUROPE indices are published on the website: [www.tdeurope.eu](http://www.tdeurope.eu)

### **List of commodities**

T&D EUROPE publishes index data for the following commodities<sup>1</sup>:

1. Grain oriented electrical steel (conventional grade) > GOES
2. Grain oriented electrical steel (High grade) > GOES+
3. Oil
4. Paper
5. Hot Steel
6. Cold Steel

The indices reflect development in the past. Therefore the indices are published monthly, usually in the first week of the second following month (e.g. data for January 2009 is published in the first week of March 2009).

### **Quality aspects: transparency and traceability**

T&D EUROPE commits itself to high quality and transparency in the process of collecting, collating and publishing the commodities indices. Information on the basic description, sources and collation process for each commodity index is stated below in this document. Upon request duly justified by any interested party and approved by T&D EUROPE Executive Committee, the process may be validated and audited by an independent party designated by T&D EUROPE.

### **Sources of information and compilation procedure**

T&D EUROPE transformer commodities indices are based on information obtained through National Associations members of T&D EUROPE, which are based on information either from national official sources or from transformer manufacturers. The types of the sources are given with each index.

The information is an arithmetic non-weighted average of the data provided by National Associations.

### **Limitation of liability**

The T&D EUROPE commodities indices is produced and published for general information only. T&D EUROPE undertakes the compilation and collation of this information using an appropriate Statistical Service Provider, and advises that all reasonable endeavours are made to ensure it is up to date and accurate.

For further information please contact the Secretary General of T&D EUROPE. Contact details are available on T&D EUROPE web site: [www.tdeurope.eu](http://www.tdeurope.eu)

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<sup>1</sup> The publication of Aluminium and Copper indices have been stopped in December 2012, as information is readily available from other sources

## 1. Grain oriented electrical steel (GOES conventional grade)

### Description :

GOES for electrical transformers for sheet thicknesses up to 0,30 mm

### Sources :

1. AGORIA, Belgium
2. ANIE, Italy
3. GIMELEC, France
4. AFBEL, Spain

### Compilation method :

Arithmetic non-weighted average of the a.m. sources

#### Detail on source: 1. AGORIA, Belgium

Indication:      **X Data from official source (see "A")**  
 Data based on company input (see "B")

**A - For data originating from official sources, being transmitted to T&D EUROPE by national associations:**

**- Name of official source:**

Commission de la Mercuriale des matériaux (Federal Public Service Economy)

**- Designation of official-source-index:**

GOES (M-5X-30 - 0,30 mm - W/Kg 0,97)

**- Technical description (type, thickness):**

M-5X-30 - 0,30 mm - W/Kg 0,97

**- Access to official-source-index:**

<http://www.agoria.be/www.wsc/rep/prg/ApplContent?TopicID=10203>

#### Detail on source: 2. ANIE, Italy

Indication:      **X Data from official source (see "A")**  
 Data based on company input (see "B")

**A - For data originating from official sources, being transmitted to T&D EUROPE by national associations:**

**- Name of official source:**

Milano Chamber of Commerce up to April 2009

**- Designation of official-source-index:**

Rilevazione dei prezzi all'ingrosso sulla piazza di Milano

**- Technical description (type, thickness):**

loss at 1,7 Wb/m<sup>2</sup> - 50 Hz - UNI EN 10107 - loss 1,50 Watt/kg  
thickness 0,30 mm

**- Access to official-source-index:**

only through the subscription to a monthly bulletin

**B - For data from associations based on company input:**

**- Name of the index (technical description)**

ANIE GOES Index for transformers related to Grain oriented electrical steel, - loss >1,10 Watt/kg

**- The list of the declaring companies**

List of companies available at ANIE

**- The form used for transmission of the data to T&D Europe**

**- The form used for transmission of the data to T&D Europe**

The quarterly value of the index is communicated to T&D EUROPE statistical service provider

**- The calculation of the association (weighted or not)**

The unweighted average is calculated and the result is expressed by an index with 100 from January 2014

**- The way of transmission to T&D Europe**

By email

**Detail on source: 3. GIMELEC, France**

Indication:  Data from official source (see "A")

**X Data based on company input (see "B")**

**B - For data from associations based on company input:**

**- Name of the index (technical description)**

GIMELEC GOES Index for transformers related to Grain oriented electrical steel, quality M097-30N as to French standard NF EN 10 107, (n° 1.0861 as to NF EN 10027/2)

**- The list of the declaring companies**

Schneider Electric (France Transfo), Cahors (Transfix), ~~Transformateurs SAS~~, JST transformateurs, Transformateurs SAS

**- The form used for transmission of the data to T&D Europe**

The monthly value of the index is communicated to T&D EUROPE statistical service provider

**- The calculation of the association (weighted or not)**

The weighted average is calculated and the result is expressed by an index with 100 in January 2004

**- The way of transmission to T&D Europe**

By email

**Detail on source: 4. AFBEL, Spain**

Indication:  Data from official source (see "A")

**X Data based on company input (see "B")**

**B - For data from associations based on company input:**

**- Name of the index (technical description)**

The index refers to GOES used in electric power transformer in the manufacture of the nucleus. This GOES is according to EN 10 107 for a thickness of 0, 30 mm and quality M5

**- The list of the declaring companies**

Alkargo, Cotradis, IMEFY(Schneider Electric until February 2013. INCOESA & OASA until September 2013)

**- The form used for transmission of the data to T&D Europe**

The monthly value of the index is communicated to T&D EUROPE statistical service provider

**- The calculation of the association (weighted or not)**

The non-weighted average is calculated and the result is expressed by an index with 100 in January 2004

**- The way of transmission to T&D Europe**

By email

## 2. Grain oriented electrical steel (GOES high grade > GOES+)

### Description :

GOES high grade for low losses transformers

### Sources :

1. GIMELEC, France
2. ANIE, Italy

### Compilation method :

arithmetic non-weighted average of the a.m. sources

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### Detail on source: 1. GIMELEC, France

Indication:  Data from official source (see "A")  
 Data based on company input (see "B")

#### B - For data from associations based on company input:

- Name of the index (technical description)

Grain oriented electrical steel (high grade), with a maximum level of losses of 1,05 W/kg at 1,7 T as defined in the matrix below

CEI 60404-8-7	Quality	losses	induction
M117-30-P5	M2	1.17 W/kg	1,7 T
M111-30-P5	M1	1.11 W/kg	
M105-30-P5	M0	1.05 W/kg	
M095-27-P5-DR	Laser-0.27	0.95 W/kg	
M090-23-P5-DR	Laser-0.23	0.90 - 0.85 W/kg	

#### - The list of the declaring companies

Schneider Electric (France Transfo), Cahors (Transfix), ~~Transformateurs SAS~~, JST transformateurs, Transformateurs SAS

#### - The form used for transmission of the data to T&D Europe

The monthly value of the index is communicated to T&D EUROPE statistical service provider

#### - The calculation of the association (weighted or not)

The weighted average is calculated and the result is expressed by an index with 100 in July 2010

#### - The way of transmission to T&D Europe

By email

**Detail on source: 3. ANIE, Italy**

Indication:  Data from official source (see "A")  
**X Data based on company input (see "B")**

**B - For data from associations based on company input:**

**- Name of the index (technical description)**

ANIE GOES Index for transformers related to Grain oriented electrical steel:

Average of following index (A+B+C):

A: loss at 0,95 – 1,05 W/kg

B: loss at 0,90 W/kg – laser 0,27 mm

C: loss at 0,85 W/kg – laser 0,23 mm

**- the list of the declaring companies**

List of companies available at ANIE

**- the form used for transmission of the data to T&D Europe**

The quarterly value of the index is communicated to T&D EUROPE statistical service provider

**- the calculation of the association (weighted or not)**

The unweighted average is calculated and the result is expressed by an index with 100 from January 2014.

**- the way of transmission to T&D Europe**

By email

### 3. Oil

**Description:**

Mineral isolating oil for transformers

**Sources:**

1. GIMELEC, France
2. AFBEL, Spain
3. Statistisches Bundesamt (Destatis), Germany

**Compilation method:**

Arithmetic non-weighted average of the a.m. sources

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**Detail on source: 1. GIMELEC, France**

Indication:  Data from official source (see "A")  
 **Data based on company input (see "B")**

**B - For data from associations based on company input:****- Name of the index (technical description)**

GIMELEC OIL Index for transformers related to Mineral isolating oil for transformers and connecting apparatus as to French standard NFC 27 101, non inhibited, class II.

**- the list of the declaring companies**

Schneider Electric France Transfo, Cahors (Transfix), Transformateurs SAS, JST transformateurs

**- the form used for transmission of the data to T&D Europe**

The monthly value of the index is communicated to T&D EUROPE statistical service provider

**- the calculation of the association (weighted or not)**

The weighted average is calculated and the result is expressed by an index with 100 in January 2004

**- the way of transmission to T&D Europe**

By email

**Detail on source: 2. AFBEL, Spain**

Indication:  Data from official source (see "A")  
 **Data based on company input (see "B")**

**B - For data from associations based on company input:****- Name of the index (technical description)**

Mineral oil index. The index refers to the mineral oil used in electric power transformer as dielectric and refrigerator liquid according to UNE EN 60 296.

**- the list of the declaring companies**

Alkargo, Cotradis, IMEFY, Electrotécnica Extremeña (ETESA), Oasa Transformadores XXI (Schneider Electric until September 2013)

**- the form used for transmission of the data to T&D Europe**

The monthly value of the index is communicated to T&D EUROPE statistical service provider

**- the calculation of the association (weighted or not)**

The unweighted average is calculated and the result is expressed by an index with 100 in January 2004

**- the way of transmission to T&D Europe**

By email

**Detail on source: 3. Statistisches Bundesamt (Destatis), Germany**

Indication:     **X Data from official source (see "A")**  
                   Data based on company input (see "B")

**A - For data originating from official sources, being transmitted to T&D EUROPE by national associations:**

**- Name of official source:**

Statistisches Bundesamt

**- Designation of official-source-index :**

61241-0003 Erzeugerpreisindizes gewerblicher Produkte: Deutschland, Jahre, Güterverzeichnis (GP2009 2-5-Steller Hierarchie) -> GP09-192 Mineralölerzeugnisse

**- Technical description:**

GP09-192

**- Access to official-source-index:**

<https://www->

[genesis.destatis.de/genesis/online/data.jsessionid=7812A8E6AB223E00AA28A75A610AFC93.tomcat\\_GO\\_2\\_1?operation=abruftabelleAbrufen&selectionname=61241-0003&levelindex=1&levelid=1394466807349&index=3](https://www-genesis.destatis.de/genesis/online/data.jsessionid=7812A8E6AB223E00AA28A75A610AFC93.tomcat_GO_2_1?operation=abruftabelleAbrufen&selectionname=61241-0003&levelindex=1&levelid=1394466807349&index=3)

## 4. Paper

### Description:

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### Sources:

1. Statistisches Bundesamt (Destatis), Germany
2. BEAMA, UK

### Compilation method:

Arithmetic non-weighted average of the a.m. sources

#### Detail on source: 1. Statistisches Bundesamt (Destatis), Germany

Indication: **X Data from official source (see "A")**  
 Data based on company input (see "B")

**A - For data originating from official sources, being transmitted to T&D EUROPE by national associations:**

**- Name of official source:**

Statistisches Bundesamt

**- Designation of official-source-index :**

61241-0003 Erzeugerpreisindizes gewerblicher Produkte: Deutschland, Jahre, Güterverzeichnis (GP2009 2-5-Steller Hierarchie) -> GP09-1729 Andere Waren aus Papier, Karton und Pappe

**- Technical description:**

GP-No. 1729

**- Access to official-source-index:**

<https://www->

[genesis.destatis.de/genesis/online/data.jsessionid=7812A8E6AB223E00AA28A75A610AFC93.tomcat\\_GO\\_2\\_1?operation=abrufabelleAbrufen&selectionname=61241-0003&levelindex=1&levelid=1394466807349&index=3](https://www-genesis.destatis.de/genesis/online/data.jsessionid=7812A8E6AB223E00AA28A75A610AFC93.tomcat_GO_2_1?operation=abrufabelleAbrufen&selectionname=61241-0003&levelindex=1&levelid=1394466807349&index=3)

#### Detail on source: 2. BEAMA (UK)

Indication: **X Data from official source (see "A")**  
 Data based on company input (see "B")

**A - For data originating from official sources, being transmitted to T&D EUROPE by national associations:**

**- Name of official source:** Office for National Statistics

**- Designation of official-source-index :** MM22 Producer Prices Indices (2005=100, SIC07) - K37V: PPI7112170000

**- Technical description:** Paper and paper products

**- Access to official-source-index:** <http://www.ons.gov.uk/ons/datasets-and-tables/data-selector.html?table-id=4&dataset=mm22> Look for "JU8W: PPI1712000000" – discontinued since October 2011 (recommends **K37V**:PPI7112170000) K37V can be found from the following link <http://www.ons.gov.uk/ons/datasets-and-tables/data-selector.html?table-id=2&dataset=mm22>

## 5. Hot steel

### Description:

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### Sources:

1. AGORIA, Belgium
2. GIMELEC, France
3. ANIE, Italy
4. Statistisches Bundesamt (Destatis), Germany
5. BEMA, UK

### Compilation method:

Arithmetic non-weighted average of the a.m. sources

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#### Detail on source: 1. Agoria, Belgium

Indication:      **X** Data from official source (see "A")  
                   Data based on company input (see "B")

**A - For data originating from official sources, being transmitted to T&D EUROPE by national associations:**

**- Name of official source:**

Commission de la Mercuriale des matériaux (Federal Public Service Economy)

**- Designation of official-source-index:**

MEDIUM PLATES common steel A320

**- Technical description (type, thickness):**

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**- Access to official-source-index:**

<http://www.agoria.be/www.wsc/rep/prg/ApiContent?TopicID=10203>

#### Detail on source: 2. GIMELEC - France

Indication:      **X** Data from official source (see "A")  
                   Data based on company input (see "B")

**A - For data originating from official sources, being transmitted to T&D EUROPE by national associations:**

**- Name of official source:**

INSEE (Institut National de la Statistique et des Etudes Economiques)

**- Designation of official-source-index:**

1559209 (up to December 2012)

**001653196 Base 100=2010 (since January 2013)**

**- Technical description (type, thickness):**

IP de l'offre intérieure des produits industriels – Grandes bandes laminées à chaud d'épaisseur  $\geq 3$  mm en aciers non alliés de qualité

**- Access to official-source-index:**

<http://www.bdm.insee.fr/bdm2/affichageSeries.action;jsessionid=3E6960F33602E18EDA892AAA33DDF6C2?idbank=001653196&page=tableau&codeGroupe=1442&recherche=idbank>

**Detail on source: 3. ANIE, Italy**

Indication: **X Data from official source (see "A")**  
 Data based on company input (see "B")

**A - For data originating from official sources, being transmitted to T&D EUROPE by national associations:**

**- Name of official source:**

CHAMBER OF COMMERCE

**- Designation of official-source-index:**

RILEVAZIONE DEI PREZZI ALL'INGROSSO SULLA PIAZZA DI MILANO – 440 Metalli non ferrosi

**- Technical description (type, thickness):**

Lamiere laminate a caldo nere (UNI EN 10025) derivate da coils in "formato commerciale"

**- Access to official-source-index:** ONLY THROUGH THE SUBSCRIPTION TO A BULLETIN

**Detail on source: 4. Statistisches Bundesamt (Destatis), Germany**

Indication: **X Data from official source (see "A")**  
 Data based on company input (see "B")

**A - For data originating from official sources, being transmitted to T&D EUROPE by national associations:**

**- Name of official source:**

Statistisches Bundesamt

**- Designation of official-source-index :**

61241-0003 Erzeugerpreisindizes gewerblicher Produkte: Deutschland,

Jahre, Güterverzeichnis (GP2009 2-5-Steller Hierarchie) -> GP09-241 Roheisen, Stahl und Ferrolegierungen -

**Technical description:**

GP09-241

**- Access to official-source-index:**

[https://www-](https://www-genesis.destatis.de/genesis/online/data;jsessionid=7812A8E6AB223E00AA28A75A610AFC93.tomcat_GO_2_1?operation=abrufabelleAbrufen&selectionname=61241-0003&levelindex=1&levelid=1394466807349&index=3)

[genesis.destatis.de/genesis/online/data;jsessionid=7812A8E6AB223E00AA28A75A610AFC93.tomcat\\_GO\\_2\\_1?operation=abrufabelleAbrufen&selectionname=61241-0003&levelindex=1&levelid=1394466807349&index=3](https://www-genesis.destatis.de/genesis/online/data;jsessionid=7812A8E6AB223E00AA28A75A610AFC93.tomcat_GO_2_1?operation=abrufabelleAbrufen&selectionname=61241-0003&levelindex=1&levelid=1394466807349&index=3)

**Detail on source: 5. BEAMA (UK)**

Indication: **X Data from official source (see "A")**  
 Data based on company input (see "B")

**A - For data originating from official sources, being transmitted to T&D EUROPE by national associations:**

**- Name of official source:** Office for National Statistics

**- Designation of official-source-index :** MM22 Producer Prices Indices (2005=100, SIC07) K2YZ:

PPI2410000000

**- Technical description:** Basic Iron and Steel and of Ferro-alloys

**- Access to official-source-index:** <http://www.ons.gov.uk/ons/datasets-and-tables/data-selector.html?table-id=4&dataset=mm22>. Look for K2YZ:PPI2410000000.

## 6. Cold steel

### Description:

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### Sources:

1. GIMELEC, France
2. ANIE, Italy
3. Statistisches Bundesamt (Destatis), Germany
4. BEAMA, UK

### Compilation method:

Arithmetic non-weighted average of the a.m. sources

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#### Detail on source: 1. GIMELEC - France

Indication: **X Data from official source (see "A")**  
 Data based on company input (see "B")

**A - For data originating from official sources, being transmitted to T&D EUROPE by national associations:**

**- Name of official source:**

INSEE (Institut National de la Statistique et des Etudes Economiques)

**- Designation of official-source-index:**

(up to December 2012)

001653197 Base 100=2010 (since January 2013)

**- Technical description (type, thickness):**

IP de l'offre intérieure des produits industriels – Produits plats laminés à froid non revêtus en aciers non alliés de qualité

**- Access to official-source-index:** <http://www.insee.fr/fr/bases-de-donnees/bsweb/serie.asp?idbank=001653197>

#### Detail on source: 2. ANIE, Italy

Indication: **X Data from official source (see "A")**  
 Data based on company input (see "B")

**A - For data originating from official sources, being transmitted to T&D EUROPE by national associations:**

**- Name of official source:**

CHAMBER OF COMMERCE

**- Designation of official-source-index:**

RILEVAZIONE DEI PREZZI ALL'INGROSSO SULLA PIAZZA DI MILANO – 440 Metalli non ferrosi

**- Technical description (type, thickness):**

Lamiere sottili (UNI EN 10130) coils a freddo

**- Access to official-source-index:**

ONLY THROUGH THE SUBSCRIPTION TO A BULLETIN

#### Detail on source: 3. Statistisches Bundesamt (Destatis), Germany

Indication: **X Data from official source (see "A")**  
 Data based on company input (see "B")

**A - For data originating from official sources, being transmitted to T&D  
EUROPE by national associations:**

**- Name of official source:**

Statistisches Bundesamt

**- Designation of official-source-index :**

61241-0003 Erzeugerpreisindizes gewerblicher Produkte: Deutschland,  
Jahre, Güterverzeichnis (GP2009 2-5-Steller Hierarchie) -> GP09-24321 Kaltgewalzte Flacherzeugn., aus  
Stahl, n. überzogen

**- Technical description:**

GP09-24321

**- Access to official-source-index:**

<https://www->

[genesis.destatis.de/genesis/online/data.jsessionid=7812A8E6AB223E00AA28A75A610AFC93.tomcat\\_GO\\_2\\_1  
?operation=abruftabelleAbrufen&selectionname=61241-0003&levelindex=1&levelid=1394466807349&index=3](https://www-genesis.destatis.de/genesis/online/data.jsessionid=7812A8E6AB223E00AA28A75A610AFC93.tomcat_GO_2_1?operation=abruftabelleAbrufen&selectionname=61241-0003&levelindex=1&levelid=1394466807349&index=3)

**Detail on source: 4. BEAMA (UK)**

Indication:

**X Data from official source (see "A")**

Data based on company input (see "B")

**A - For data originating from official sources, being transmitted to T&D**

**EUROPE by national associations:**

**- Name of official source:** Office for National Statistics

**- Designation of official-source-index :** MM22 Producer Prices Indices (2005=100, SIC07) K2YZ:

PPI2410000000

**- Technical description:** Basic Iron and Steel and of Ferro-alloys

**- Access to official-source-index:** <http://www.ons.gov.uk/ons/datasets-and-tables/data-selector.html?table-id=4&dataset=mm22>. Look for K2YZ:PPI2410000000.