



## INSTRUCTIONS FOR THE PRESENTATION OF PAPERS AT CIGRE SYMPOSIA

This document gives general instructions to be followed for the preparation of Papers at CIGRE Symposia. We kindly ask you to read them carefully and comply with them so that publication of your Paper may be smoothly processed.

Further to these instructions, CIGRE will provide for each Symposium 3 sample pages specific to the coming Symposium. The 3 pages are: Title page with the Symposium header included, page 1 where the text starts, and last page where the Bibliography appears. Authors are required to use these sample pages, **typing their text over the presentation**. The sample pages will be sent to the authors and will be also **available for downloading on the website with the Symposium notice**.

### IMPORTANT POINTS:

- ❖ **Papers will not be proof-read by the Central Office. No changes or additions will be accepted after they have been received by the Central Office.**
- ❖ **The deadline for receipt of the papers at the Central Office is absolutely strict.**
- ❖ **The electronic file is essential for publication. Files emailed should be of reasonable size - about 1 Mbyte.**
- ❖ **Material sent to the Central Office will not be returned to authors.**

## 1. GENERAL

### *1.1 Nature of Papers*

Papers presented at CIGRE Symposia must be unpublished material of strictly scientific or technical character, and not carry any advertising connotation. Consequently, names of manufacturers must not appear in the body of the text, nor in tables or figures. Names of Companies or Universities should only appear at the top of the first page (title page), under the authors' names. (See paragraph 3.2)

### *1.2 Languages used*

**Papers** are issued in English only.

## 2. STRUCTURE OF PAPERS

For homogeneity, the Paper structure with heading, “SUMMARY”, “KEYWORDS” and “BIBLIOGRAPHY” must be maintained. The titles “SUMMARY”, “KEYWORDS” and “BIBLIOGRAPHY” also must be kept as they stand.

### *2.1 Heading*

The heading comprises the Symposium header, the paper reference number, the title of the paper and the authors' identification.

### *2.2 Summary*

The paper starts with an extensive summary, of about **500 words**, intended to provide readers with a thorough overview of the paper.

Summary and title give the first impression of a paper; hence great care should be taken in their formulation.

### *2.3 Keywords*

A list of keywords follows the summary, as specified in **Appendix 1**. These keywords are intended for recording by documentation departments.

### *2.4 Main text.*

Starts after the keywords.

### *2.5 Bibliography*

Included at the end of the paper, it gives the details of the references mentioned in the paper.

## 3. PRESENTATION OF PAPERS

Papers are to be posted on the Cigre website.

### *3.1 Typing: General*

Texts should be typed in single spacing, and normal lay-out should be used (no 2-column lay-out). - **See sample: Appendix 3**. There is no need for an extra left-hand margin, unnecessary waste of space.

The fonts ‘Times’ or ‘Helvetica’ are recommended, **size 11 or 12 only**. Narrower typing will be illegible. **Do not use fancy characters**.

**In order to simplify and speed up the uploading of Papers, CIGRE kindly requests the authors to effect the lay-out of their Papers** on a PC (with figures and tables inserted) on a ISO 21x29,7cm / DIN A4-format (final size).

### ***3.2 Title page and Summary***

The authors are requested to use the WORD sample of the Title page to facilitate their work: its lay-out must be very carefully observed.(spacing, fonts...)

The heading comprises three parts:

- the header, CIGRE details and Symposium Title,-**provided by CIGRE on the sample page**
- the reference number of the paper, 3 characters, which has been attributed to the paper –**to be typed by the author-**
- the title of the Paper and the authors, i.e.: initial for first name, name in capitals, company, country.

Paper title should be typed 2” (5cm) from the top of the page with **Helvetica or Arial bold characters, size 12**. The authors’ names should be typed with **Times Roman, bold characters, size 12**. They should be **centred** under the title.

“**SUMMARY**” should be written 4.8” (12cm) from the top of the page, under the “heading”.

The email **address of the main author** (indicated with an asterisk immediately following his name on the heading) should be typed **at the bottom of the page**.

### ***3.3 Other pages***

Pages other than title page must be typed starting 2,5 cm (1”) from the top of the page.  
Pages other than the title page must be numbered at the bottom page (right hand side).

### ***3.4 Bibliography***

References should be mentioned following the order in which they appear in the text. Each reference should be set as follows:

- Reference number (in the text) in square brackets [ ]
  - First name(s) or initial(s), name(s) of the author(s)
  - Title of the article and in brackets the name of the publication, reference number, date, page (or first and last page numbers),
- or
- Title of the Paper, and in brackets the name of the relevant Conference, date, reference number and page (or first and last page numbers)
- or
- Title of the book, editor, year of publication and page (or first and last page numbers).
  - Authors should not refer to internal company documents and more generally to unpublished works.

### ***3.5 Figures***

Electronic versions of the figures should be inserted directly in the text. They should be carefully prepared.

Figure numbers and captions should appear under each figure. For better understanding, avoid cramming information on figures and only use graphic symbols recommended by the International Electrotechnical Commission (IEC Recommended Graphics Symbols - Publication No 617: 'Graphical Symbols for Diagrams' -).

All comments relevant to the figures should appear in the caption. Typing characters have to be carefully selected to ensure legibility.

### **3.6 Tables**

Typing characters should be chosen such as to be clearly legible. Tables should be numbered using roman figures; number and title should appear just above the table.

### **3.7 Conformity requirements**

All Papers must be prepared in keeping with the present instructions.

### **3.8 Length of Papers**

The recommended maximum length for Papers is 10 pages (title and figures included).

## **4. ADVICE FOR LAY-OUT OF PAPERS**

- For greater clarity, texts should be divided under headings and subheadings. Decimals should be used as reference numbers to identify chapters, sections, paragraphs.
- Authors are kindly requested to use the decimal metric system referred to as International System SI (See IEC Publication No 27 'Literal Symbols to be used for Electrotechnics' in 4 parts). Some indications concerning symbols are given in **Appendix 2**.
- Authors should avoid giving mathematical developments. If these are necessary, the longer part should be given in an appendix.
- For formulae, authors should use mathematical software. Equations should be centred on the page and numbered. The number is to appear in brackets on the right hand side of the formula.

## **5. COPYRIGHT**

The Papers are copyrighted to protect the interests of CIGRE as well as their authors'. Authors who submit a paper for publication agree to assign to CIGRE the copyright in the paper, in accordance with the "copyright provisions" exposed in **Appendix 4**

## **6. PUBLICATION OF PAPERS**

As Symposium Papers will be available for downloading through the Cigre website, authors are kindly requested to send to the Central Office the electronic file of their paper ( in PDF or WORD format) only.

**Note: When sending in the electronic file, please make sure your attachment is clearly identified, giving the main Author's name and the reference number of the paper.**

## APPENDIX 1

### CHOICE OF THE KEYWORDS

#### *A.1. Number of keywords*

Authors have full latitude as regards choice and number of keywords. As an indication, 3 to 10 words or groups of words are usually sufficient to characterise a technical document.

#### *A.2. Choice of keywords*

1. Each keyword should correspond to a single and precise notion. Certain compound words or groups of words designating one sole notion will constitute keywords.

Examples: High Voltage - Reactive Power - Power Factor

On the other hand, many compound words which are in fact an association of two independent notions will have to appear as two separate keywords.

Examples: Interconnection systems -> Interconnection – System;  
Anchor tower -> Anchor - Tower

2. Words, which do not convey precise information, such as: product, matter, agent, effect, process, device, phenomenon, etc...must not be used as keywords.

Examples: Breaking device -> Breaking; Corona effect -> Corona

However, with 'Switching Overvoltage' the keywords will be : 'Switching' and 'Overvoltage'.

3. For the purpose of indexation, wherever possible, the noun in the singular should be used, rather than the adjective.

Examples: Guyed tower -> Tower – Guy; Inhibited oil -> Oil - Inhibitor

4. A well-defined chemical substance is a single keyword.

Example: Sulphur Hexafluoride

However, chemical substance types should be coded with the help of independent keywords.

Example: Alkaline Chloride -> Chloride - Alkaline

#### *A.3. Final comments*

Keywords should always be written **in singular**, start with a capital letter, and a dash between each word.

Authors are advised to use as keywords the terms which appear in the IEC's International Electrotechnical Vocabulary (IEC Publication No 50).

## APPENDIX 2

### RECOMMENDATIONS ON THE SYMBOLS WHICH SHOULD BE USED TO REPRESENT UNITS

The SI symbols for units are typed with vertical characters, whatever the kind of characters used in the text. They are written in small letters, except when the name of the unit comes from a name, in which case the first letter of the symbol is a capital one.

Examples: metre: m volt: V hertz: Hz

The products of two units are expressed by combining their symbols with a full stop.

Example: Newton metre: N.m

The symbols for single units can however be joined together without a full stop when there is no risk of confusion:

Examples: Watt-hour: Wh Volt ampere: VA  
kilovolt: kV Megavar: Mvar

Write: HV or h.v. HVDC or h.v.d.c.  
AC or a.c. DC or d.c.

The quotient of two units is expressed by putting a stroke between their symbols or by using negative exponents, preferably when there are several symbols in the denominator.

Examples: metre per second: m/s or m.s<sup>-1</sup>  
metre per second squared: m/s<sup>2</sup> or m.s<sup>-2</sup>

The multiples and sub-multiples of SI units are linked to the basic units by standardised symbols

Examples: T for Tera (10<sup>12</sup>) k for kilo (10<sup>3</sup>) n for nano (10<sup>-9</sup>)

The prefix should not be separated from the name of the unit either by a space or any typographical sign.

Thus, one should write:

GW: 10 <sup>9</sup> watts	mA: 10 <sup>-3</sup> amperes
MHz: 10 <sup>6</sup> hertz	μF: 10 <sup>-6</sup> farads
kV: 10 <sup>3</sup> volts	ns: 10 <sup>-9</sup> seconds
cm: 10 <sup>-2</sup> metres	

Symbols are written without a full stop (except when the full stop is a punctuation mark at the end of a sentence which finishes with a symbol) and must not bear the indication that they are plural because 's' stands for 'second'.

Examples: 100 kilometres: 100 km  
1 metre per second: 1 m/s

1 lumen second: 1 Im.s

Symbols with decimal figures should appear at the right of the whole number, which indicates the numerical value:

One should write: 24,5 m - 25,4°C

One should not write: 24 m,5 – 25°,4C nor °C25,4

Symbols for units should not be used after a number written out in full.

One should write:                   Five kilometres  
  5 kilometres  
  5 km

One should not write:           five km.

Generally speaking, it is not advisable to use a symbol for a unit in a text without it being associated with a numerical value written in figures.

One should write:                   'Length is expressed in metres'

One should not write:           'Length is expressed in m'



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## APPENDIX 3

Type here your Paper number  
(to be centred)

**SYMPOSIUM xy**

**Type here the title of your Paper  
(Helvetica or Arial Bold size 12 and 5cm (2") from the top**

**Type here the authors' name (initials, name in capitals, Times Roman, bold, size 12)  
Type here the Company  
Type here the Country**

### **SUMMARY**

Start typing here with the summary (about 500 words; Times or Helvetica, size 11 or 12 only, from 4.8" / 12 cm from the top). Do not remove or shift the title "**SUMMARY**", as Papers must have the same presentation for the CD ROM issue.

### **KEYWORDS**

3 to 10 words or phrases (Times or Helvetica, size 11 or 12 only).As for "**SUMMARY**", please keep the title "**KEYWORDS**".

Type here the email address of the main author as a footnote



All pages after title page must start from this line, i.e. 1" (2, 5 cm) margin from the top (Times or Helvetica, size 11 or 12). Pages will be automatically numbered.

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## **BIBLIOGRAPHY**

Type here the bibliography at the end of your text, according to this presentation (see sample references below). Font to be used is always Times or Helvetica 11 or 12.

- [1] Working Group SC 22-12 CIGRE. “The thermal behaviour of overhead conductors Section 1 and 2 Mathematical model for evaluation of conductor temperature in the steady state and the application thereof” (Electra number 144 October 1992 pages 107-125)
- [2] T. Seppa “Fried Wire?” (Public Utilities Fortnightly, December 2003, pages 39-41)
- [3] Prospectiva del Sector Eléctrico 2002-2011. (Secretaría de Energía. Mexico, 2002).
- [4] Resolución sobre las Modificaciones a la Metodología para la Determinación de los Cargos por Servicio de Transmisión de Energía Eléctrica. (Diario Oficial de la Federación. Jueves 23 de Diciembre de 1999).

## APPENDIX 4

### CIGRE COPYRIGHT PROVISIONS

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