



NSAI
Standards

Irish Standard
I.S. EN 45510-2-9:2008

Guide for procurement of power station equipment -- Part 2-9: Electrical equipment - Cabling systems

I.S. EN 45510-2-9:2008

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English version

**Guide for procurement of power station equipment -
Part 2-9: Electrical equipment -
Cabling systems**

Guide pour l'acquisition d'équipements
destinés aux centrales de production
d'électricité -
Partie 2-9: Équipements électriques -
Systèmes de câblage

Leitfaden für die Beschaffung
von Ausrüstungen für Kraftwerke -
Teil 2-9: Elektrische Ausrüstung -
Kabelsysteme

This European Standard was approved by CENELEC on 2008-04-01.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN or CENELEC member into its own language and notified to the CENELEC Central Secretariat has the same status as the official versions.

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I.S. EN 45510-2-9:2008

EN 45510-2-9:2008

- 2 -

Foreword

This European Standard takes the form of a recommendation and is therefore entitled a 'Guide'.

This Guide for procurement has been prepared by the CEN/CENELEC TC 2 "CEN/CENELEC Joint Technical Group Power Engineering".

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 45510-2-9 on 2008-04-01.

The following dates were fixed:

- *latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement* (dop) 2009-04-01
- *latest date by which the national standards conflicting with the EN have to be withdrawn* (dow) 2011-04-01

This Guide for procurement has been prepared under mandates given to CEN and CENELEC by the European Commission and the European Free Trade Association.

This Guide for procurement is a part of a series of Guides mandated to cover the procurement of power station plant and equipment in conformity with European Procurement Directives. The Guides are:

EN 45510: Guide for procurement of power station equipment

Part 1: Common clauses

- Part 2-1 ¹⁾: Electrical equipment - Power transformers
- Part 2-2: Electrical equipment - Uninterruptible power supplies
- Part 2-3: Electrical equipment - Stationary batteries and chargers
- Part 2-4: Electrical equipment - High power static converters
- Part 2-5: Electrical equipment - Motors
- Part 2-6: Electrical equipment - Generators
- Part 2-7: Electrical equipment - Switchgear and controlgear
- Part 2-8: Electrical equipment - Power cables
- Part 2-9: Electrical equipment - Cabling systems

- Part 3-1: Boilers - Water tube boilers
- Part 3-2: Boilers - Shell boilers
- Part 3-3: Boilers - Boilers with fluidized bed firing

- Part 4-1: Boiler auxiliaries - Equipment for reduction of dust emissions
- Part 4-2: Boiler auxiliaries - Gas-air, steam-air and gas-gas heaters
- Part 4-3: Boiler auxiliaries - Draught plant
- Part 4-4: Boiler auxiliaries - Fuel preparation equipment
- Part 4-5: Boiler auxiliaries - Coal handling and bulk storage plant
- Part 4-6: Boiler auxiliaries - Flue gas desulphurization (De-SO_x) plant
- Part 4-7: Boiler auxiliaries - Ash handling plant
- Part 4-8: Boiler auxiliaries - Dust handling plant
- Part 4-9: Boiler auxiliaries - Sootblowers
- Part 4-10: Boiler auxiliaries - Flue gas denitrification (De-SO_x) plant

- Part 5-1: Steam turbines
- Part 5-2: Gas turbines
- Part 5-3: Wind turbines
- Part 5-4: Hydraulic turbines, storage pumps and pump-turbines

¹⁾ Under consideration.

I.S. EN 45510-2-9:2008

- Part 6-1: Turbine auxiliaries - Deaerators
 - Part 6-2: Turbine auxiliaries - Feedwater heaters
 - Part 6-3: Turbine auxiliaries - Condenser plant
 - Part 6-4: Turbine auxiliaries - Pumps
 - Part 6-5: Turbine auxiliaries - Dry cooling systems
 - Part 6-6: Turbine auxiliaries - Wet and wet/dry cooling towers
 - Part 6-7: Turbine auxiliaries - Moisture separator reheaters
 - Part 6-8: Turbine auxiliaries - Cranes
 - Part 6-9: Turbine auxiliaries - Cooling water systems
-
- Part 7-1: Pipework and valves - High pressure piping systems
 - Part 7-2: Pipework and valves - Boiler and high pressure piping valves
-
- Part 8-1: Control and instrumentation

*EN 45510-1:1997 contains those clauses common to all the above Guides giving the provisions of a non **equipment** specific nature for use in the procurement of power station plant. EN 45510 is the responsibility of JTFPE. The so called 'common clauses', as appropriate, also appear in italics in the documents specific to particular **equipment**.*

Where paragraphs, or part of a paragraph/sentence, of 'common clauses' are omitted this is indicated by the symbol ***** at the end of the clause.

In this Guide, words in bold type indicate that they have the meaning given in the definitions, Clause 3.

In this Guide, sentences not in italics indicate the additional recommendations to be found in Guides specific to particular **equipment**.

Contents

1	Scope	6
2	Normative references.....	6
3	Definitions.....	8
3.1	Organisational terms	8
3.2	Technical terms	8
3.3	General terms.....	14
4	Brief overall project description	15
4.1	Role and organisation of purchaser.....	15
4.2	Site location.....	15
4.3	Equipment task.....	15
4.4	Equipment to be purchased	15
4.5	Control and instrumentation	16
4.6	Electrical supplies and other services	16
4.7	Other interfaces.....	16
4.8	Project programme.....	17
4.9	Equipment identification systems	17
5	Extent of supply	17
6	Terminal points.....	19
7	Operational requirements.....	19
7.1	Operating environment.....	19
7.2	Manning levels	19
7.3	Normal operation.....	19
7.4	Operating hours.....	19
7.5	Start-up and shut-down	19
7.6	Abnormal conditions.....	19
7.7	Further operational requirements	20
8	Life expectancy	20
8.1	Design life	20
8.2	Components requiring periodic maintenance	20
9	Performance requirements.....	20
9.1	Duty.....	20
9.2	Performance.....	20
9.3	Equipment margins	21
9.4	Availability	21
9.5	Levels of component redundancy.....	21
9.6	Further performance requirements.....	21
10	Design and fabrication.....	21
10.1	Specific equipment features	21
10.2	Design justification	33
10.3	Material selection	33
10.4	Safety.....	33
10.5	Interchangeability	35
10.6	Fabrication methods.....	35
11	Maintenance requirements.....	35
11.1	Planned maintenance.....	35
11.2	Personnel safety.....	35
11.3	Requirements for access.....	35
11.4	Lifting requirements.....	35
11.5	Special tools.....	35
11.6	Test equipment.....	35
11.7	Spare parts strategy	35
11.8	Special precautions	36
12	Tender documentation	36
12.1	Tender documentation	36
12.2	Contract documentation	36
13	Applicable legislation, regulations, standards and further requirements.....	37
13.1	Legislation and regulations.....	37
13.2	Standards.....	37
13.3	Further requirements.....	37

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