



## **Electricity Specification 400N5**

**Issue 1      September 2003**

# **Specification for Standard Naming of Components used in Overhead and Underground Power Distribution Circuits**

## **Contents**

- 1 Foreword
- 2 Introduction
- 3 Scope
- 4 Method of Component Naming
- 5 Documents Referenced
- 6 Keywords

## **Approved for issue by the Technical Policy Panel**

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Amendment Summary

Amendment No. Date	Brief Description and Amending Action
<p>0 10/09/03</p>	<p>Issue 1 Initial Issue of this specification. Prepared by: DPH Authorised by the Standards Steering Group and signed on its behalf by:</p>



## **SPECIFICATION FOR STANDARD NAMING OF COMPONENTS USED IN OVERHEAD AND UNDERGROUND POWER DISTRIBUTION CIRCUITS**

### **1. FOREWORD**

This specification has been generated to provide a standard point of reference for the naming and identification of all components used in overhead line (OHL) and underground (UG) power distribution circuits. Traditionally, duplication problems have arisen from time-to-time due to different component nomenclature being used for the same items. Such problems have resulted in the creation of duplicate Commodity Code (CC) numbers, hence duplicate ordering, difficulty in withdrawing superseded components from use, and general confusion. The aim of this document is to help eliminate these costly and time-consuming problems.

### **2. INTRODUCTION**

The purpose of this specification is to provide a standard method for naming of components.

### **3. SCOPE**

This specification covers the naming philosophy for all components used in OHL and UG power distribution circuits (ie those items covered by 400 series specifications). It does not cover other associated plant items or support equipment, etc (eg items covered by 300 series specifications).

### **4. METHOD OF COMPONENT NAMING**

#### **4.1 Introduction**

- 4.1.1 To prevent repetition of duplication problems in future, it was realised that a method had to be developed that could be used for naming any component. This method would have to be systematic and logical, avoid potential ambiguity as far as possible, without being too restrictive and unwieldy. In addition, any component description would have to define that component as fully as possible.
- 4.1.2 The methodology described in the following section attempts to meet the criteria specified in 4.1.1. It is not, nor can it be, a completely prescriptive procedure, but should be treated more as a set of guidance notes (or key points) for reference.
- 4.1.3 It is important that the guidance and rules are followed as closely as possible to avoid repetition of the duplication problems described above. For example, if the punctuation rules are not followed when adding a new component, that item may appear out of sequence in an alphanumeric list of components, and may not be found (or seen) by someone searching for that item - hence that item may be duplicated and given a second CC number.

## 4.2 Method

Refer to Figure 1 for an analysis of an actual component name taken from the OHL catalogue of components (CatacomOHL... .xls), then read the following guidance notes and keypoints.

### 4.2.1 General considerations

- (a) There is a hierarchy within the name of each component. The first part of the name is derived from the Electricity North West specification in which the component is defined, followed by more specific detail, as necessary, until each item is uniquely identified.
- (b) Check similar items that appear in the appropriate component catalogue. For overhead line components, refer to workbook “CatacomOHL... .xls”. For underground line items, refer to workbook TBA.
- (c) Information contained in the name must make sense to the reader, and must be informative.
- (d) The name will also appear on product packaging, therefore, it shall contain appropriate information.
- (e) Terminology and punctuation used in the naming process shall be standardised to achieve the above. Refer to 4.2.2.
- (f) Context and abbreviated naming. It will not be necessary, nor appropriate, to use the full approved description every time a component is referenced, hence the abbreviated description column in the example.

### 4.2.2 Specific rules for component naming

- (a) No trade names.
- (b) One initial capital letter only for each name, except for accepted abbreviations and proper names.
- (c) Commas are to be used as separators between each descriptor, with ( ) enclosing additional information, eg (drawing number).
- (d) No space between number and unit (eg 11kV).
- (e) Numeric form to be used for numbers, ie 1, 2... used as opposed to one, two .... to ensure that automatically generated lists will appear in a logical order.

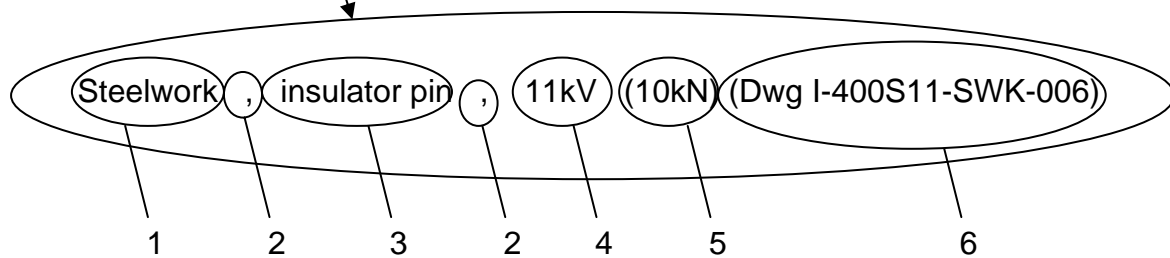
## 5. DOCUMENTS REFERENCED

Electricity North West EPD470: Policy for Standard Naming of Components used in Overhead and Underground Power Distribution Circuits.

## 6. KEYWORDS

Overhead; circuit; distribution; line; underground;

	A	B	C	D	E	F	G	H	I
1	Approved Component Description	CC Number		Abbreviated Description		UU Component Specification		Current Supplier Details	
2	(description in component specification & purchasing database)				Ref	Subject	Supplier	Supplier's Ref	
743	Steelwork, foundation brace (EATS 43-95, Dwg 439559)	111320		Foundation brace	ES400S11	Overhead line steelwork	Painters	cc 111320	
744	Steelwork, insulator bracket (top hat) (Dwg I-400S11-SWK-025)	133302		Insulator bracket	ES400S11	Overhead line steelwork			
745	Steelwork, insulator pin, 11kV (10kN) (Dwg I-400S11-SWK-006)	128252		Insulator pin	ES400S11	Overhead line steelwork			
746	Steelwork, insulator pin, 33kV (10kN) (Dwg I-400S11-SWK-007)	128104		Insulator pin	ES400S11	Overhead line steelwork			
747	Steelwork, lineswitch, crossarm mounting kit	tba		TBA	ES400S11	Overhead line steelwork	Gevea		



Approved component description is constructed as follows:

1. Generic class of component (taken from the Electricity North West specification that defines the component - in this case ES400S11).
2. The comma separates component descriptors; each subsequent descriptor defines the component in more detail.
3. More detailed descriptor - further defines the component.
4. The final descriptor in this particular example - fully defines the component.
- 5 & 6. Additional specific detail for the component is given in brackets at the end (where there is a Electricity North West drawing, it should be appended to the description, as in this case).

**Figure 1 Example Breakdown of Component Name taken from the OHL Component Catalogue**