- 2 -

IEC 61850-7-3; A1 © IEC:2005

57/779/CD



CD IEC 61850-7-3, Amendment 1

## Communication networks and systems in substations

- Part 7-3: Basic communication structure for substations and feeder equipment - Common data classes
- Amendment 1: Clarifications and Corrections, and Extensions for Power Quality and Representation of Historical and Statistical Information



- 3 -

IEC 61850-7-3; A1 © IEC:2005

57/779/CD

### CONTENTS

#### Page

1	Scop	cope7			
5	Conditions for attribute inclusions7				
	6.5	6.5 Range configuration		7	
	6.11	Point definition		7	
		7.3.1	Application of services	8	
		7.3.5	Protection activation information	8	
		7.4.1	Application of services	8	
	7.5	Common data class specification for controls		8	
		7.5.1	Application of services	8	
		7.5.7	Controllable analogue process value (APC)	9	
	7.6	Common data class specification for controllable analogue information		9	
		7.7.1	Application of services	9	
		7.7.4	Object reference setting group (REF)	10	
		7.8.1	Application of services		
		7.9.1	Application of services	10	
8	Data	Data attribute semantic11			
Annex A Value range for units and multipliers12					

- 4 -

#### INTERNATIONAL ELECTROTECHNICAL COMMISSION

— Entwurf —

#### COMMUNICATION NETWORKS AND SYSTEMS IN SUBSTATIONS

# Part 7-3: Basic communication structure for substations and feeder equipment - Common data classes

### Amendment 1: Clarifications and Corrections and Extensions for Power Quality and Representation of Historical and Statistical Information

#### FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liasing with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

#### Recipients of this document are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

This CD of the Amendment to International Standard IEC 61850-7-3 has been prepared by the working group 10 of IEC technical committee 57.

This document contains amendments to Parts 7-3 of the standard series IEC 61850, a set of specifications for communication networks and systems in substations.

At time of publication of this part, the following parts were part of IEC 61850:

IEC 61850-1:	Communication networks and systems in substations – Part 1: Introduction and overview
IEC 61850-2:	Communication networks and systems in substations – Part 2: Glossary
IEC 61850-3:	Communication networks and systems in substations – Part 3: General requirements
IEC 61850-4:	Communication networks and systems in substations – Part 4: System and project management