

TECHNICAL REPORT

IEC 62195

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AMENDMENT 1
2002-04

Amendment 1

Power system control and associated communications – Deregulated energy market communications

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PRICE CODE

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FOREWORD

This amendment has been prepared by IEC technical committee 57: Power system control and associated communications.

The text of this amendment is based on the following documents:

Enquiry draft	Report on voting
57/556/Q	57/576/RQ, 57/576A/RQ

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

The committee has decided that the contents of the base publication and its amendments will remain unchanged until 2003. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

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0.1 Reference documents

Add the following reference to the list:

ISO/IEC 14662, *Information technology – Open-edl reference model*

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Add the following new annex E:

Annex E

Use of Internet technologies

E.1 Technological advancement

The report gives an overview of market models at the time of writing and possible communication platforms based on UN/EDIFACT messages or Internet technologies as HTML over HTTP. Whereas EDIFACT messages were widely used (e.g. in the Ediel System of Scandinavia and now also in some other European countries and elsewhere), the Internet approach at the time of writing had the drawback that no standardized messages in HTML were available leading to proprietary solutions. Also security of the Internet was an issue.

In the meantime the Internet Language Definition Standard XML (eXtensible Markup Language) was defined by W3C as a subset of SGML (Standard Generalised Markup Language). With XML applications can share data using a Schema as DTD (Document Type Definition) or XSD (XML Schema Definition) which defines the grammar. One of the outstanding features of XML is that data can be given a name tag which makes it easier to map data to data bases. Whereas the main purpose of XML is data transmission between applications and data bases the content can also easily be visualized with an Internet Browser using CSS (Cascaded Style Sheets) or XSLT (Extensible Stylesheet Language for Transformation) together with CSS.