

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

**Power systems management and associated information exchange – Data and communications security –
Part 3: Communication network and system security – Profiles including TCP/IP**

**Gestion des systèmes de puissance et échanges d'informations associés –
Sécurité des communications et des données –
Partie 3: Sécurité des réseaux et des systèmes de communication – Profils
comprenant TCP/IP**

WORLDWIDE



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FOREWORD

This amendment to the International Standard IEC 62351-3 has been prepared by IEC technical committee 57: Power systems management and associated information exchange.

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

FDIS	Report on voting
57/1976/FDIS	57/1990/RVD

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

A list of all parts in the IEC 62351 series, published under the general title *Power systems management and associated information exchange – Data and communications security*, can be found on the IEC website.

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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- withdrawn,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

2 Normative references

Replace the existing reference IEC TS 62351-9 with the following new reference:

IEC 62351-9, *Power systems management and associated information exchange – Data and communications security – Part 9: Cyber security key management for power system equipment*

Replace the existing reference IEC/ISO 9594-8 with the following new reference:

ISO/IEC 9594-8:2017, *Rec. ITU-T X.509 (2016), Information technology – Open Systems Interconnection – The Directory – Part 8: Public-key and attribute certificate frameworks*

4.1 Operational requirements affecting the use of TLS in the telecontrol environment

Replace the existing text of the fifth paragraph of 4.1 with the following new text:

Note that TLS utilizes X.509 certificates (see also ISO/IEC 9594-8 or RFC 5280) for authentication. In the context of this specification the term certificates always relates to public-key certificates (in contrast to attribute certificates).