

First edition
1998-12-15

**Industrial automation — Time-critical
communications architectures — User
requirements and network management for
time-critical communications systems**

*Automatisation industrielle — Architectures de communications en temps
réel — Prescriptions des utilisateurs et gestion de réseau
pour les systèmes de communications en temps réel*



Reference number
ISO/TR 13283:1998(E)

Contents

Page

1 Scope	1
2 References.....	1
2.1 International Standards.....	1
2.2 Documents under development	2
3 Terms and definitions	2
3.1 TCCA terms	2
3.2 OSI Basic Reference Model terms.....	4
3.3 Service convention terms	4
3.4 Basic Reference Model of Open Distributed Processing terms.....	4
3.5 QoS Basic Framework terms	4
3.6 TCNM terms	6
4 User requirements for time-critical communications systems	7
4.1 Introduction	7
4.2 Transaction models	8
4.3 User control	11
4.4 Integration issues of openness.....	12
4.5 Timing-related issues	13
4.6 Architecture considerations	16
4.7 TCCS and OSI.....	21
4.8 TCCA network management.....	22
4.9 Network management in TCCN	22
5 QoS requirements for network management in TCCA	22
5.1 Introduction	22

© ISO 1998

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Organization for Standardization
Case postale 56 • CH-1211 Genève 20 • Switzerland
Internet iso@iso.ch

Printed in Switzerland