

ISO/IEC 14476-1:2002-06 (E)

Information technology - Enhanced communications transport protocol: Specification of simplex multicast transport

Contents

Page

Reference number INTERNATIONAL STANDARD 14476-1 First edition 2002-06-15 Information technology -- Enhanced communications transport protocol: Specification of simplex multicast transport Technologies de l'information -- Protocole de transport de communication amélioré: Spécifications pour le transport «simplex multicast» PDF disclaimer This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area. Adobe is a trademark of Adobe Systems Incorporated. Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below. or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester. ISO copyright office Case postale 56 · CH-1211 Geneva 20 Tel. + 41 22 749 01 11 Fax + 41 22 749 09 47 E-mail copyright@iso.ch Web www.iso.ch CONTENTS 1 Scope ... 1

| | | |
|-----|---|--------------------------|
| 2 | Normative references | 1 |
| 3 | Definitions | 1 |
| 3.1 | Terms defined in ITU-T Rec. X.601 | 1 |
| 3.3 | Terms defined in this Recommendation | International Standard 2 |
| 4 | Abbreviations | 2 |
| 4.1 | Packet types | 2 |
| 4.2 | Miscellaneous | 3 |
| 5 | Conventions | 3 |
| 6 | Overview | 3 |
| 7 | Protocol components | 5 |
| 7.1 | Nodes | 5 |
| 7.2 | Control tree | 6 |
| 7.3 | Addressing | 7 |
| 7.4 | Packets | 7 |
| 8 | Protocol procedures | 8 |
| 8.1 | Operations before the connection creation | 8 |
| 8.2 | Connection creation | 9 |
| 8.3 | Data transmission | 12 |
| 8.4 | Error recovery | 13 |
| 8.5 | Connection pause and resume | 14 |
| 8.6 | Late join | 14 |
| 8.7 | Leave | 15 |
| 8.8 | Tree membership maintenance | 15 |
| 8.9 | Connection termination | 16 |
| 9 | Packet formats | 16 |

| | | |
|--|-----------------------------------|-----------|
| 9.1 | Fixed header | 17 |
| 9.2 | Extension elements | 18 |
| 9.3 | Packet structure | 21 |
| 10 | Timers and variables | 24 |
| 10.1 | Timers | 24 |
| 10.2 | Operation variables | 24 |
| Annex A - Network considerations | | 25 |
| Annex B - Tree configuration mechanisms considered in IETF RMT WG | | 26 |
| Bibliography | | 27 |