

ISO/IEC 14476-4:2010-05 (E)

Information technology — Enhanced communications transport protocol: Specification of QoS management for duplex multicast transport

CONTENTS

| | <i>Page</i> |
|---|-------------|
| 1 Scope | 1 |
| 2 Normative references | 1 |
| 3 Definitions | 1 |
| 3.1 Terms defined in Rec. ITU-T X.605 ISO/IEC 13252 | 1 |
| 3.2 Terms defined in Rec. ITU-T X.606 ISO/IEC 14476-1 | 1 |
| 3.3 Terms defined in Rec. ITU-T X.606.1 ISO/IEC 14476-2 | 2 |
| 3.4 Terms defined in Rec. ITU-T X.607 ISO/IEC 14476-3 | 2 |
| 4 Abbreviations | 2 |
| 4.1 Packet types | 2 |
| 4.2 Miscellaneous | 3 |
| 5 Overview | 3 |
| 6 Components for QoS management | 5 |
| 6.1 Base header | 5 |
| 6.2 QoS parameters | 6 |
| 6.3 QoS extension element | 7 |
| 6.4 Acknowledgement element | 7 |
| 6.5 Packets used for QoS management | 8 |
| 7 QoS negotiation for duplex multicast connection | 8 |
| 7.1 Negotiation procedures | 9 |
| 7.2 QoS negotiation in the tree hierarchy | 10 |
| 7.3 Resource reservation | 10 |
| 8 QoS monitoring and maintenance for the forward channel | 10 |
| 8.1 QoS monitoring for the forward multicast channel | 11 |
| 8.2 QoS maintenance for the forward multicast channel | 13 |
| 9 QoS monitoring and maintenance for the backward channel | 15 |
| 9.1 QoS monitoring for the backward unicast channel | 15 |
| 9.2 QoS maintenance for the backward unicast channel | 16 |
| Annex A – Implementation considerations | 18 |