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AMENDMENT 1
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Information technology — Data communications — X.25 Packet Layer Protocol for Data Terminal Equipment

AMENDMENT 1: Alternative Logical Channel Identifier assignment

*Technologies de l'information — Communication de données — Protocole X.25 de
couche paquet pour terminal de données*

AMENDEMENT 1: Alternative pour l'attribution d'une référence de voie logique



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Foreword

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International Standard ISO/IEC 8208/Amd.1 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*.

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Information technology — Data communications — X.25 Packet Layer Protocol for Data Terminal Equipment

AMENDMENT 1 : Alternative Logical Channel Identifier assignment

Introduction

International Standard ISO/IEC 8208 : 1990 describes the X.25 Packet Layer Protocol for Data Terminal Equipment. This Amendment defines an alternative mechanism for Logical Channel Identifier assignment.

The material contained in this Amendment shall be incorporated into the body of ISO/IEC 8208 when the next edition is published. The text is presented as additions to the text of ISO/IEC 8208 : 1990.

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Subclause 3.7

Add to the end of this subclause the following: "An alternative mechanism for Logical Channel Identifier assignment, which may be used in DTE/DTE environment only, is provided by the Reference Number Optional User Facility. When this mechanism is used, figure 1 does not apply. Instead, one logical channel exists for each Logical Channel Identifier value in the range 1 to 4 095, but only a limited number of values — as determined by the DTE — need be assigned at any given time to Permanent Virtual Circuits and to Virtual Calls established or in the process of being established.

"NOTE — The alternative mechanism, by allowing a DTE to choose the logical channel identifier values that can appear in received packets, can ease the task of managing logical channels where a DTE can be involved in simultaneous operation over multiple DTE/DTE interfaces, a situation typical in LAN environment (e.g. in figure 2, DTE Z in its communication with DTEs A and B).

"See also:

- Optional User Facility for Reference Number (13.28)."

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Subclause 4.5

First paragraph, add the following: "When using the alternative Logical Channel Identifier assignment mechanism (Reference Number Facility), this subclause does not apply."

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Subclause 4.5

Last line, add the following: "— Optional User Facility for Reference Number (13.28)."

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Clause 5

First paragraph, add the following: "The procedures for selecting a logical channel can be as described here or as described for the Reference Number Facility."

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Subclause 5.2.5

Last line, add the following:

"NOTE — When using the alternative Logical Channel Identifier assignment mechanism (Reference Number Facility), this subclause does not apply."

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Subclause 5.5.4

Add the following immediately under "See also:" "— Optional User Facility for Reference Number (13.28);"

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Subclause 12.2.4.2

First paragraph, delete the second sentence and insert the following: "The extended format is used for CLEAR CONFIRMATION PACKETS issued by a DTE only in conjunction with the Reference Number Facility (see 13.28)."

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New subclause 13.28

Add the following:

"13.28 Reference Number

"This optional user facility applies only in a DTE/DTE environment.

"Reference Number is an optional user facility which may be agreed to for a period of time. It applies to a packet layer entity. It is used as an alternative mechanism for Logical Channel Identifier assignment. It should be noted that, as this is an optional facility, the normal mode of operation of a DTE does not make use of this facility.