

INTERNATIONAL
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AMENDMENT 9
1995-11-15

**Information technology — Telecommunications
and information exchange between systems —
High-level data link control (HDLC) procedures —
General purpose XID frame information field
content and format**

AMENDMENT 9: Extension of HDLC sequence
number modulus beyond 128

*Technologies de l'information — Télécommunications et échange d'informations
entre systèmes — Procédures de commande de liaison de données à haut niveau
(HDLC) — Format et contenu du champ d'information de la trame XID pour
application générale*

*AMENDEMENT 9: Extension du module du numéro de séquence HDLC au-delà
de 128*



Reference number
ISO/IEC 885:1993/Amd. 9:1995(E)

Foreword

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Amendment 9 to International Standard ISO/IEC 8885:1993 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 6, *Telecommunications and information exchange between systems*.

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Introduction

This amendment increases the modulus number (i.e. the sequence number) in steps up to a maximum of 2 147 483 648 which can be represented in 31 bits. This is done by the introduction of a new "Set Mode" command that can be used to negotiate or indicate the modulus in the absence of or to override a default value. This uses an optional information field in the "Set Mode" command.

This amendment also introduces the information field in mode-setting commands/responses.

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AMENDMENT 9: Extension of HDLC sequence number modulus beyond 128

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Table 3

In table 3, replace the section under "HDLC optional functions" by the following:

Name	PI	PL	Parameter field element	Code Type	Bit No.	Value
HDLC optional functions	3	5	1 Reserved		1	0
			2 REJ cmd/resp	E	2	0/1
			3A SREJ cmd/resp single frame	E	3	0/1
			3B SREJ cmd/resp multiple frame	E	22	0/1
			4 UI cmd/resp	E	4	0/1
			5 SIM cmd/RIM resp	E	5	0/1
			6 UP cmd	E	6	0/1
			7A Basic address	E	7	0/1
			7B Extended address	E	8	0/1
			8 Delete resp I	E	9	0/1
			9 Delete cmd I	E	10	0/1
			10A Modulo 8	E	11	0/1
			10B Modulo 128	E	12	0/1
			11 RSET cmd	E	13	0/1
			12 TEST cmd/resp	E	14	0/1
			13 RD resp	E	15	0/1
			14A 16-bit FCS	E	16	0/1
			14B 32-bit FCS	E	17	0/1
			15A Synchronous transmission	E	18	0/1
			15B Start/stop transmission with basic transparency	E	19	0/1
			15C Start/stop transmission with basic and flow control transparency	E	20	0/1
			15D Start/stop transmission with basic and control-character octet transparency	E	21	0/1
			Reserved		23 to 24	0
			10.2 Modulo 32 768	E	25	0/1
			10.3 Modulo 2 147 483 648	E	26	0/1
			17. Set Mode command with an optional information field to be used in place of SXXM or SXXME	E	27	0/1
			18. UA and DM responses, and the DISC command with an optional information field	E	28	0/1
			19. SABM, SNRM, SARM, SABME, SNRME, SARME command with an optional information field	E	29	0/1
			Reserved		30-40	0

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