INTERNATIONAL STANDARD ISO/IEC 10589:1992
TECHNICAL CORRIGENDUM 3

Published 1996-12-15

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION
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Information technology — Telecommunications and information exchange between systems — Intermediate system to Intermediate system intra-domain routeing information exchange protocol for use in conjunction with the protocol for providing the connectionless-mode Network Service (ISO 8473)

TECHNICAL CORRIGENDUM 3

Technologies de l'information — Communication de données et échange d'informations entre systèmes — Protocole intra-domaine de routage d'un système intermédiaire à un système intermédiaire à utiliser conjointement avec le protocole fournissant le service de réseau en mode sans connexion (ISO 8473)

RECTIFICATIF TECHNIQUE 3

Technical Corrigendum 3 to International Standard ISO/IEC 10589:1992 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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Subclause 9.3

Change the second paragraph to read:

In the case of an ISO/IEC 8802 (except for ISO/IEC 8802-6 DQDB) or ISO/IEC 9314 subnetwork, the SNPA address is the 48-bit MAC address encoded as a sequence of six octets according to the "hexadecimal representation" of MAC addresses specified in ISO/IEC 10039. The SNPA address of an ISO/IEC 8802-6 DQDB shall be encoded as a sequence of eight octets containing 4-bit address type subfield, variable length padding subfield and variable length MAC service access point address subfield according to the "hexadecimal representation".

Replace the text of NOTE 50 with the following (i.e., delete the word "48-bit" and replace the words "MAC address" with "SNPA address"):

NOTE 50 In this encoding the first bit of the binary representation of the SNPA address is the least significant bit of the first octet in the encoded sequence.

ICS 35.100.30 **Ref. No. ISO/IEC 10589:1992/Cor.3:1996(E)**

Descriptors: data processing, information interchange, telecommunications, network interconnection, open systems interconnection, network layer, data transmission, communication procedure, control procedures, protocols.

Printed in Switzerland

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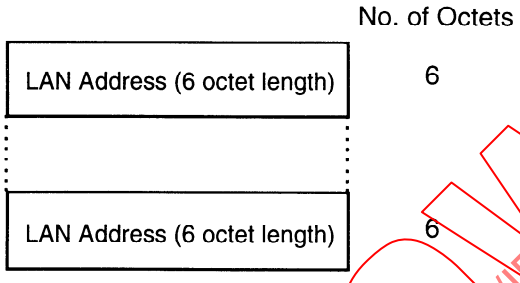
Subclause 9.5

Replace the text of "Intermediate System Neighbours" of Level 1 LAN IS-IS Hello PDUs with the following:

•Intermediate System Neighbours - The set of Intermediate systems on this LAN to which adjacencies of neighbourSystemType "L1 Intermediate System" exist in state "Up" or "Initialising" (i.e, those from which Level 1 IIH PDUs have been heard). This is permitted to appear more than once.

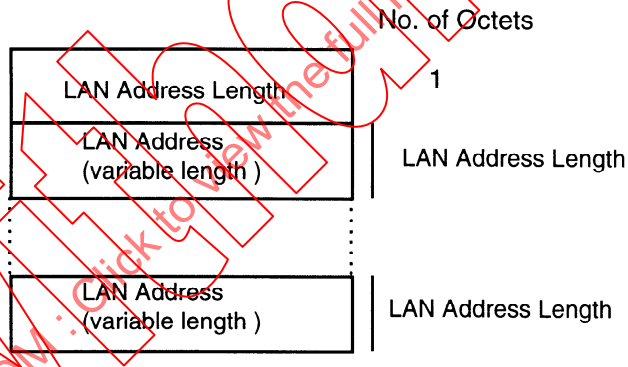
Two types of codes are defined:

a) Intermediate System Neighbours with 6 octet MAC address
x CODE - 6
x LENGTH - total length of the value field in octets
x VALUE -



•LAN Address (6 octet length) - 6 octet MAC address of Intermediate System neighbours

b) Intermediate System Neighbours with variable length SNPA address
x CODE - 7
x LENGTH - total length of the value field in octets
x VALUE -



•LAN address length - length of SNPA address of Intermediate System neighbours
•LAN Address (variable length) - variable length SNPA address of Intermediate System neighbours

This variable length field shall not be used for the Intermediate System Neighbour of which SNPA address length is 6 octets.

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Subclause 9.6

Replace the text of "Intermediate System Neighbours" of Level 2 LAN IS-IS Hello PDUs with the following:

•Intermediate System Neighbours - The set of Intermediate systems on this LAN to which adjacencies of neighbourSystemType "L2 Intermediate System" exist in state "Up" or "Initialising" (i.e, those from which Level 2 IIH PDUs have been heard). This is permitted to appear more than once.

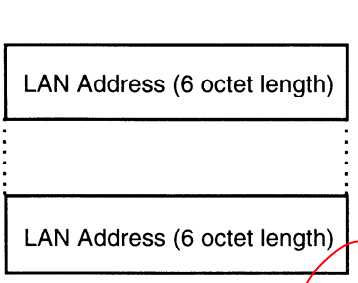
Two types of codes are defined:

a) Intermediate System Neighbours with 6 octet MAC address

x CODE - 6

x LENGTH - total length of the value field in octets

x VALUE -



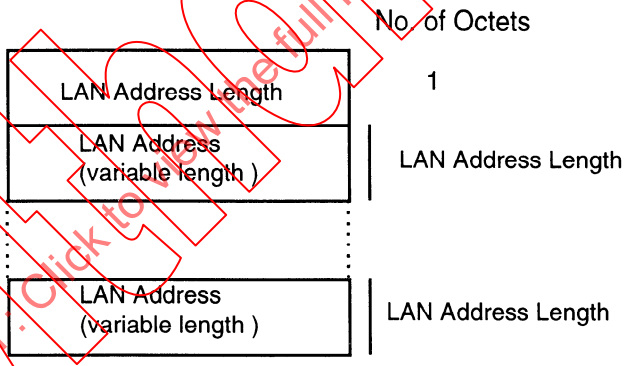
•LAN Address (6 octet length) - 6 octet MAC address of Intermediate System neighbours

b) Intermediate System Neighbours with variable length SNPA address

x CODE - 7

x LENGTH - total length of the value field in octets

x VALUE -



•LAN address length - length of SNPA address of Intermediate System neighbours

•LAN Address (variable length) - variable length SNPA address of Intermediate System neighbours

This variable length field shall not be used for the Intermediate System Neighbour of which SNPA address length is 6 octets.