Information technology — Telecommunications and information exchange between systems — Protocol for exchange of inter-domain routeing information among intermediate systems to support forwarding of ISO 8473 PDUs

TECHNICAL CORRIGENDUM 1

Technologies de l'information — Télécommunications et échange d'information entre systèmes — Protocole pour échange d'information inter-domaine de routage parmi les systèmes intermédiaires supportant la transmission de PDUs de l'ISO 8473

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to International Standard ISO/IEC 10747:1994 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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Clause 6

Second paragraph, beginning of third sentence, delete "When" and insert "Except as specified otherwise (annex B), when".

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Subclause 7.17.2

Add the following new paragraph at the end of 7.17.2:

An UPDATE PDU shall not advertise to another RD any route that either

a) contains that other RD's RDI in its path or

b) contains the RDI of a confederation which is being entered when the route is advertised to that other RD.

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Subclause 7.17.3.1

Delete the second sentence of the third paragraph ("To avoid ... PDU"), and insert the following new (fourth) paragraph:

To avoid long-lived black holes, the procedure does not apply to

a) the explicit withdrawal of unfeasible routes (that is, routes whose ROUTE_ID is listed in the Withdrawn Routes field of an UPDATE PDU);

b) routes with a Security path attribute where under the applicable security policy a change in the security information contained in the path attribute implies a lowering of protection or otherwise results in a strong policy requirement no longer being met; or

c) routes on which the Quality of Service has been reduced.

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Annex B

Add a new subclause B.3 as follows:

B.3   Representation in BISPDUs

Each of the 32-bit values A, B, C, and D computed as in B.2 shall be represented as a sequence of four octets in which the lowest octet number has the least significant value. The values A, B, C, and D shall appear in that order, with increasing octet numbers.

NOTE – This octet ordering for each 32-bit value is the opposite of that specified in clause 6 for other PDU fields used to represent numbers as multiple octets. The difference preserves the octet order specified in RFC 1186.