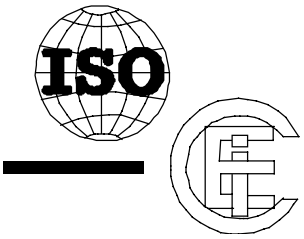
Title: Proposed Technical Corrigenda to ISO TR 9577 - Protocol Identification in the Network Layer

Source: Joel Halpern

Justification:

As a result of the work to support multiple protocols over Frame Relay, we found that the NLPID, as defined by ISO TR 9577 was the best way to identify the ensuing protocol. Usage of the SNAP option allowed support for multiple public and private protocols in an interoperable fashion.

However, it was noted at the time that TR 9577 allows the selection of the SNAP only in an SPI, not an IPI. In this context, the octet identifying the protocol is the first (and usually only) such octet. As such, it is necessary to define the SPI value for SNAP as a valid IPI value as well.



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Date: 1992-01-15

ISO/IEC JTC 1/SC 6
TELECOMMUNICATIONS AND INFORMATION
EXCHANGE BETWEEN SYSTEMS

Secretariat: U.S.A. (ANSI)

Title: Draft ISO 9577/TC2 - Addition of IPI for SNAP

Source: USA

Project: 1.06.41.01

As a result of the work to support multiple protocols over Frame Relay, the USA has found that the NLPID, as defined by ISO TR 9577 was the best way to identify the ensuing protocol. Usage of the SNAP option allowed support for multiple public and private protocols in an interoperable fashion.

However, it was noted at the time that TR 9577 allows the selection of the SNAP only in an SPI, not an IPI. In this context, the octet identifying the protocol is the first (and usually only) such octet. As such, it is necessary to define the SPI value for SNAP as a valid IPI value as well.

The following changes are recommended:

Table 2: Values assigned to the IPI octet

Add the following line to the table, between the entry reading "ISO 8208/CCITT X.25 - GFI Extension" and the entry reading "ISO 8473 (excluding the inactive subset)".

1 0 0 0 0 0 0 0 IEEE SNAP (see Annex D)

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