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ATM interconnect between UK licensed operators for switched ATM connections

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ATM interconnect between UK licensed operators for switched ATM connections

This technical document represents Phase 2 of the deployment of ATM interconnects between licensed operators. It facilitates interconnection between licensed operators' public ATM networks for switched ATM connections. It recommends an interface for interconnecting ATM networks based on ATM Forum specifications, ITU-T Recommendations and ETSI standards.

This technical document specifies an unmodified version of ETSI standard EN 301 814-1 which itself endorses the use ATM Inter-Network Interface (AINI) protocol defined by the ATM forum.

This technical document defines the signalling across an interconnect between ATM networks for Soft Permanent Virtual Circuits (SPVC) and Switched virtual circuits (SVCs) and is appropriate, but not limited to, networks that use PNNI or B-ISUP internally. The AINI signalling protocol facilitates the interworking of one network running PNNI internally with another network running B-ISUP internally, as well as interworking of two networks running PNNI internally. It addresses and is limited to signalling procedures for dynamically establishing, maintaining and clearing of ATM connections between ATM networks.

The AINI is a signalling protocol that relies on the signalling ATM Adaptation Layer (SAAL) for detection of message corruption etc., as the interface to the ATM layer. This is detailed in NICC document ND1122:1998/10 'Interconnect between UK licensed Operators, SAAL UNI Technical recommendation'.
