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INTERCONNECTION

Reference models and definitions

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1 Introduction

This document outlines interconnection reference models and establishes the various types of telecommunications services. The resulting list is intended for every person who is not familiar with telecommunications so that the same abbreviations and definitions concerning interconnection are used everywhere.

2 References

- [1] SR 748.10, LTC
Law of 30 April 1997 on Telecommunications
- [2] SR 784.101.1, OST
Ordinance of 6 October 1997 on Telecommunications Services
- [3] EIF: Framework Interconnection Agreement Guidelines

There are no other specific references. This catalogue was set up by a working group consisting of the providers of telecommunications services operating in Switzerland.

3 Reference model

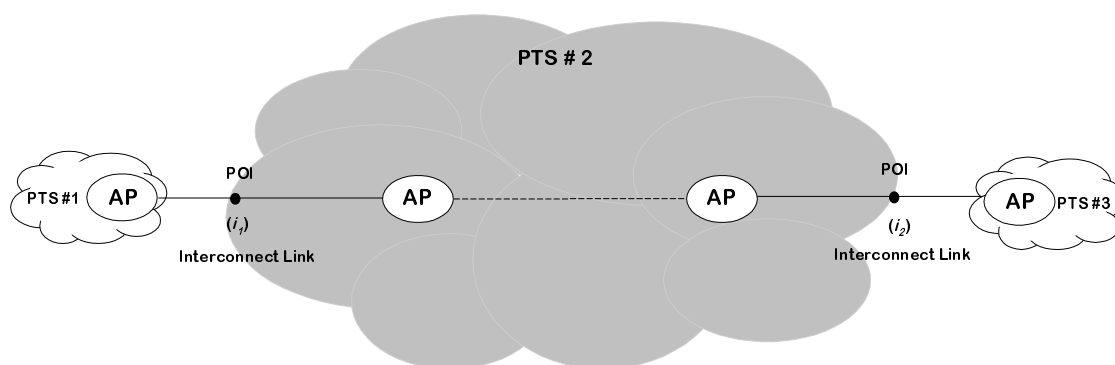


Figure no 1: Reference model



4 Definitions

Definitions from the LTC of 30 April 1997 :

telecommunications service shall mean the transmission of information for third parties by means of telecommunications techniques;

telecommunications installations shall mean apparatus, lines or equipment intended for the transmission of information by means of telecommunications techniques or used for that purpose;

interconnection shall mean the connection of telecommunications installations and services, enabling them to operate together in accordance with logical systems and telecommunications techniques and allowing access to the services of third parties;

Other definitions :

- *PTS*: Provider of Telecommunication Services
- *Point of Interconnection*: a physical point where the system of one Party is connected to the system of the other Party for Calls to be handed over from one system to the other.
- *Access Point*: a location of one PTS which is provided for connection to other PTS by means of an interconnect link.
- *Interconnect Link*: a link establishing one or more transmission paths connecting an AP from one PTS to an AP from the other PTS passing through a Point of Interconnection.

5 Symbols and abbreviations

AP	Access Point
EIF	European Interconnect Forum
LTC	Loi sur les télécommunication du 30 avril 1997
OST	Ordonnance sur les services de télécommunication du 6 octobre 1997
POI	Point of Interconnection
PTS	Provider of Telecommunication Services

6 Interconnection services

Originating Access Service: (mentioned in art. 32 OST)

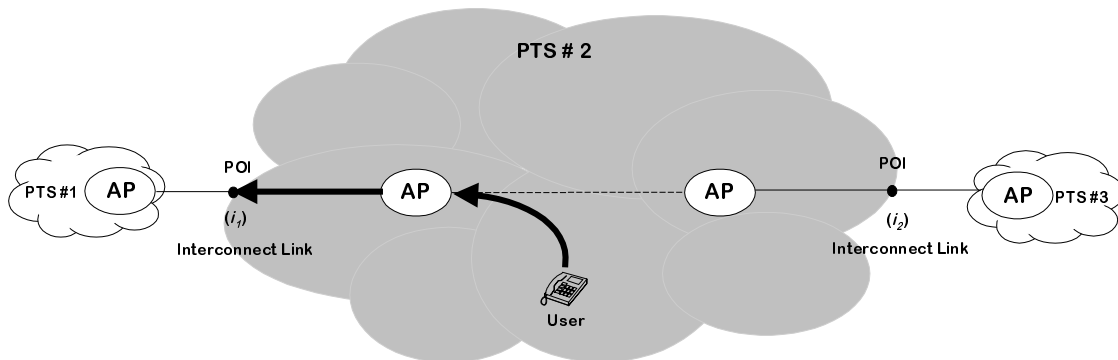


Figure no 2: Originating Access Service

- Call from a user connected to one PTS handed over through an AP to a Point of Interconnection (POI).

Terminating Access Service: (mentioned in art. 32 OST)

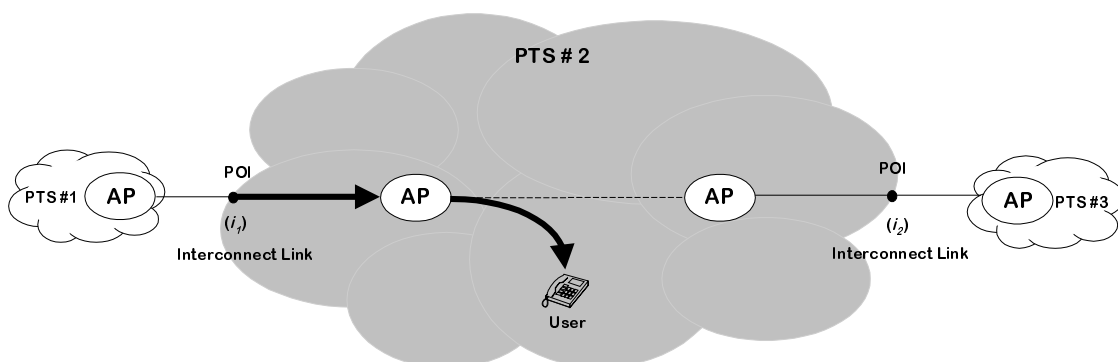


Figure no 3: Terminating Access Service

- Call from a Point of Interconnection (POI) handed over through an AP to a user connected to one PTS.



Transit Access Service: (mentioned in art. 32 OST)

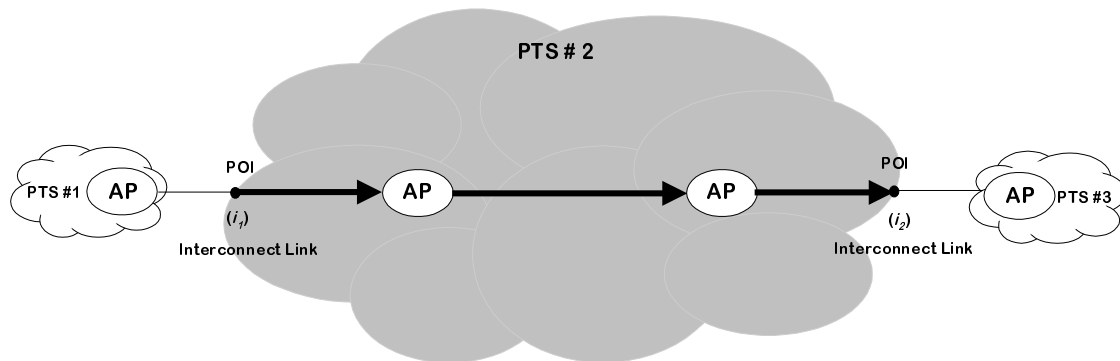


Figure no 4: Transit Access Service

- Call from a Point of Interconnection (POI) handed over through one or more AP to another Point of Interconnection.