

ISITEP

D4.4.3 - INTERFACE- GATEWAY PROTOTYPE

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REVISION TABLE

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Publishable extended abstract

This deliverable constitutes the description of the TETRAPOL - TETRAPOL gateway prototype developed in ISITEP European FP7 project.



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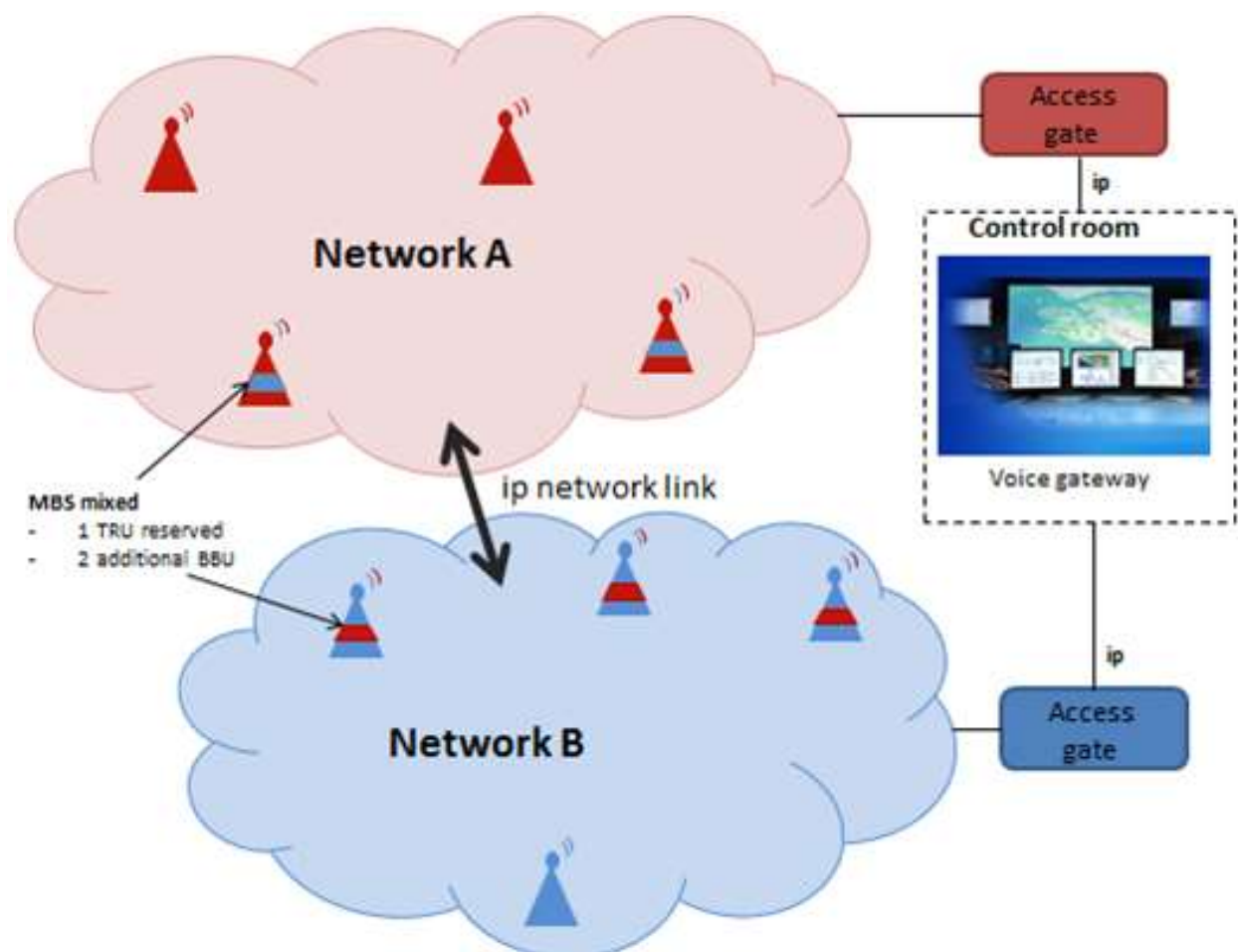
1.1 Introduction

In WP44 a hardware and software solution for ISITEP is being developed to allow interoperability between two separated TETRAPOL networks.

1.2 Principle

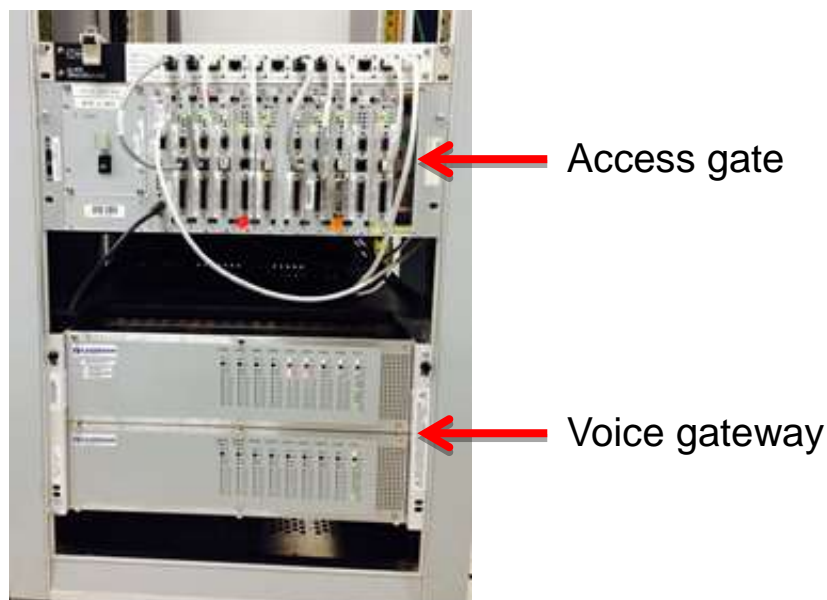
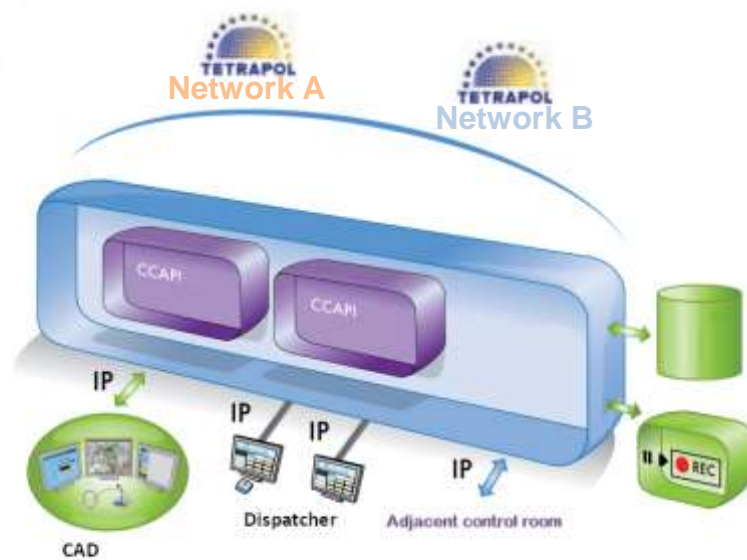
Let's consider two TETRAPOL networks: network A and network B. Network A base stations at the border nearby network B include hardware components configured to communicate with network B. Therefore, a terminal registered in network B, evolving in network A, will keep the coverage of network B thanks to the mixed base stations supporting both networks.

If required, group calls can be merged at the control room level hence providing inter-operability.



1.3 Gateway description

The gateway can manage the access gate, choose the group call of each access gate and merge the 2 communications. Several dispatchers can use the gateway.



1.4 Base station description



1 TRU reserved for the adjacent network

2 additional BBU (1 for redundancy)
connected to the adjacent network