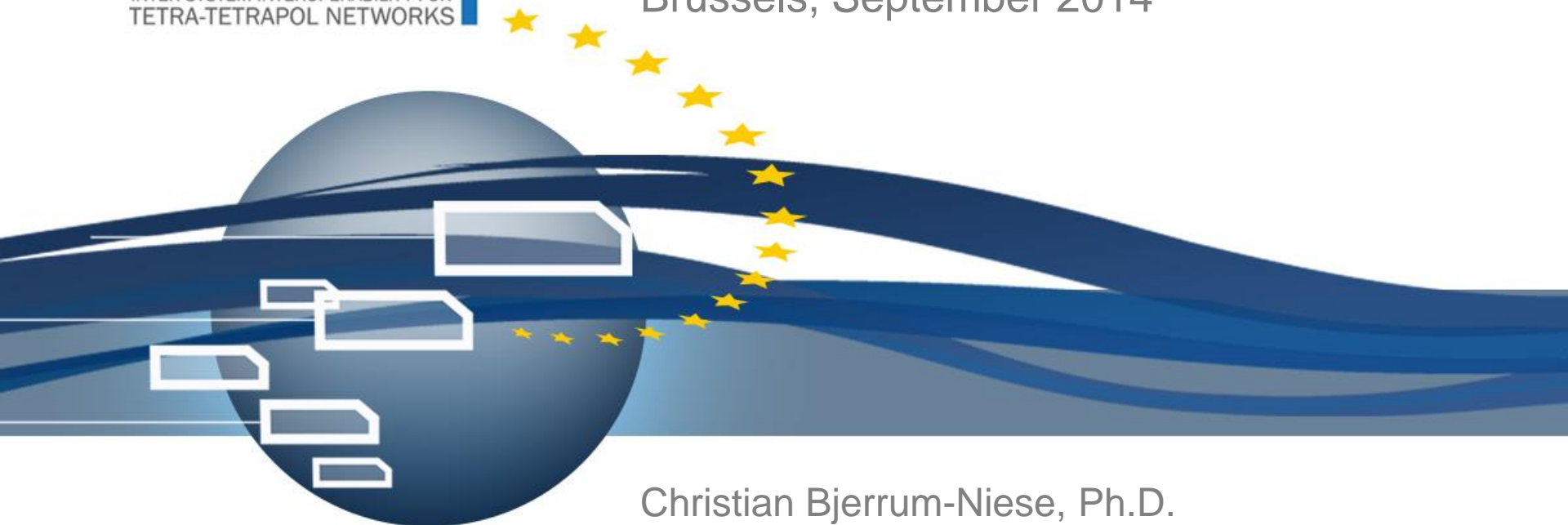




# ISITEP Trial planning

## Brussels, September 2014



Christian Bjerrum-Niese, Ph.D.  
Motorola Solutions

- Focus on Procedures
  - Translate into Use Cases
- Conduct Five successful trials
- Evaluation
  - Good material for exploitation activities



- Cross-border Police Cooperation
  - Hot pursuit
  - Surveillance operations





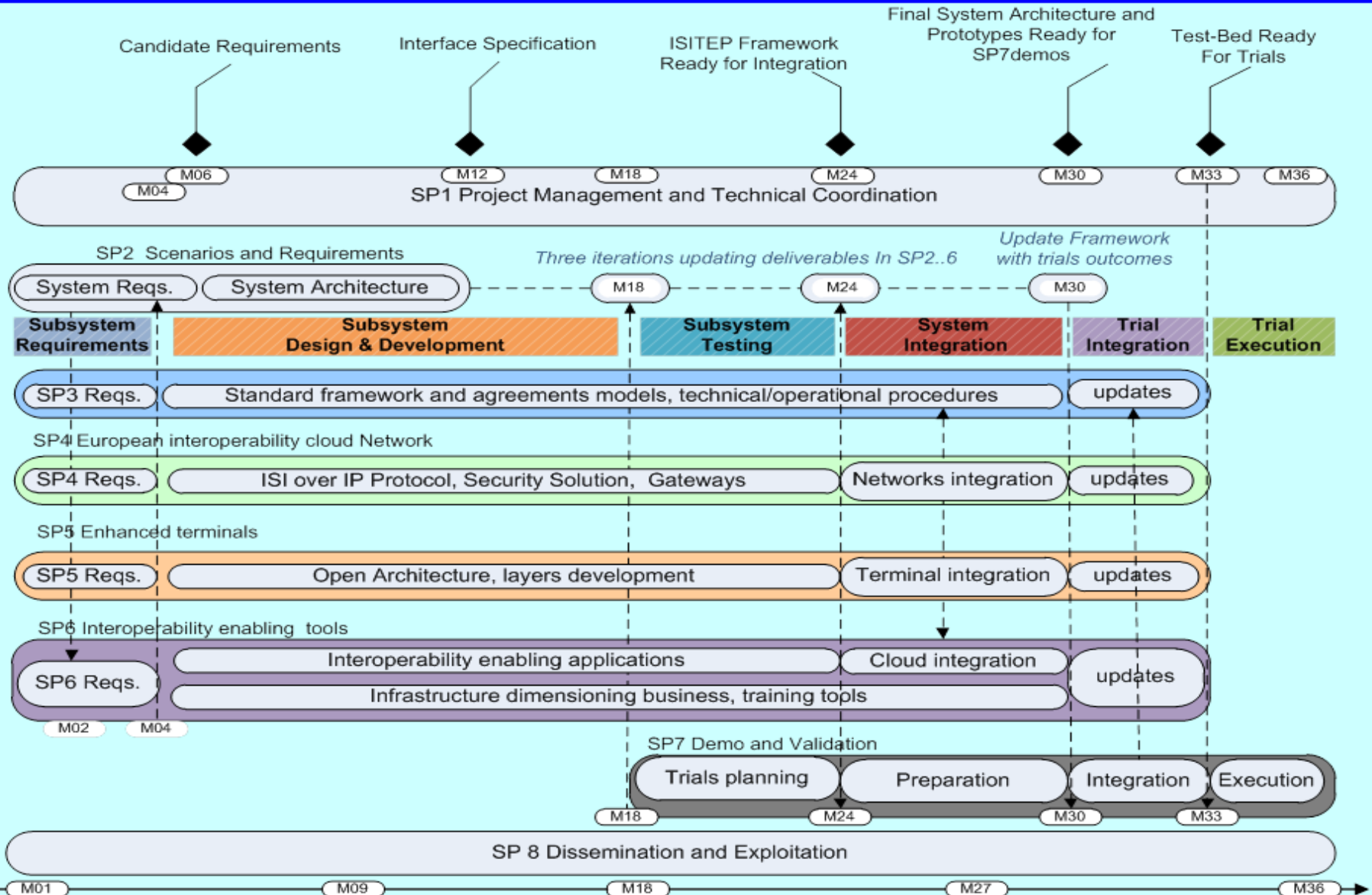
# Cross-border Emergency response

- Major incidents
- Natural disasters



# Escorting of VIP personnel





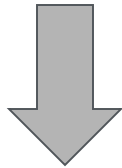
	Demo	Location
1	Multi agency collaboration	Norway-Sweden
2	Police hot pursuit	NL-BE-GE
3	Airport disaster	Geneva, Switzerland
4	Joint police surveillance patrol	Madrid, Spain
5	VIP protection service	Brussels, Belgium



All trials planned to be conducted in 2016



# ISITEP is not product development



Challenge:

- Testing of prototype software on live public safety network

Option:

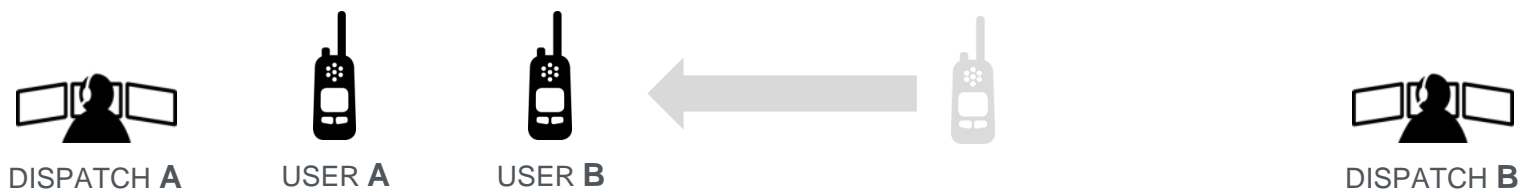
- Demonstrations using ad-hoc system



Static Group Linking between:

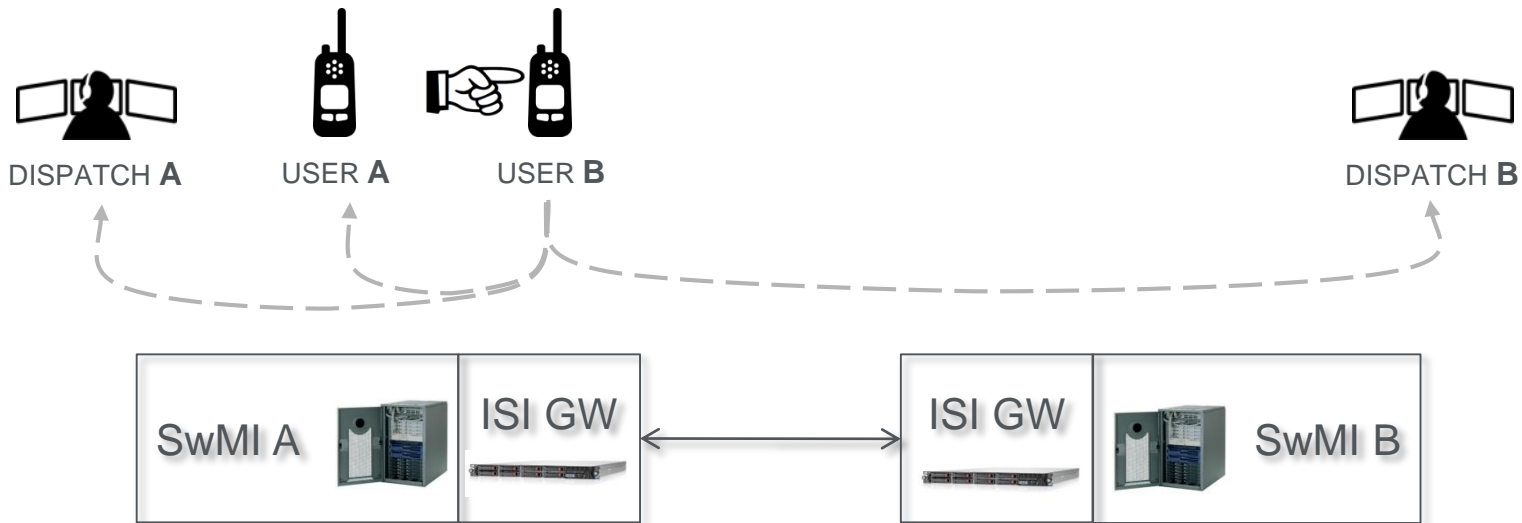
- TG1 in Network A and TG2 in Network B

# Air Interface Migration of Subscriber



Radio migration:

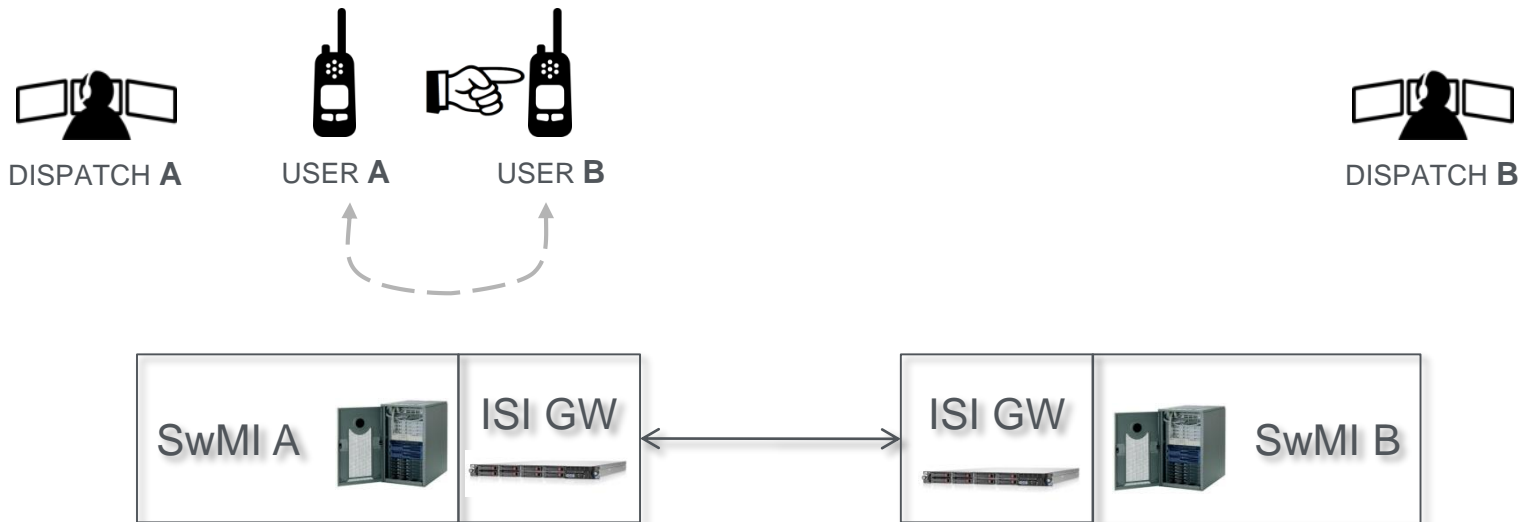
1. Change network
2. Change talk group



Static Group Linking between:

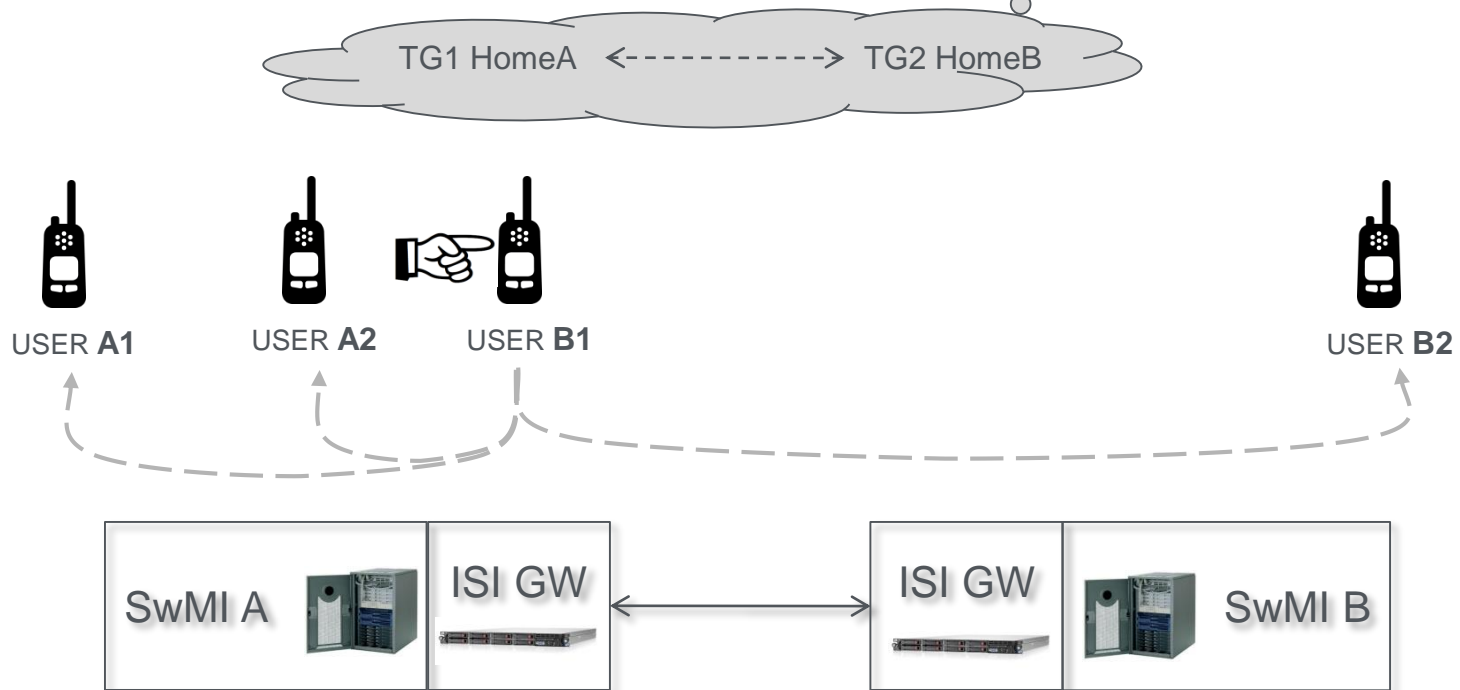
- TG1 in Network A and TG2 in Network B

# Individual Call Between Migrated and Local User



- User B dials User A
- Full duplex call is established

Static Group Linking enables cross-border talk group collaboration



## Supported Use Cases:

- Cross-border Group Call
- Air Interface Migration of Subscriber
- Group call between Migrated and Local User
- Individual call between Migrated and Local User
- Short Data Messaging across Interface

- Detailed Trial planning will start March 2015
- For each trial, we will negotiate involvement of Network Operators and End User Organizations
- Trial procedures to be developed, based on
  - End user value
  - Network security
  - Technical capabilities of equipment
  - Budgetary limitations



30





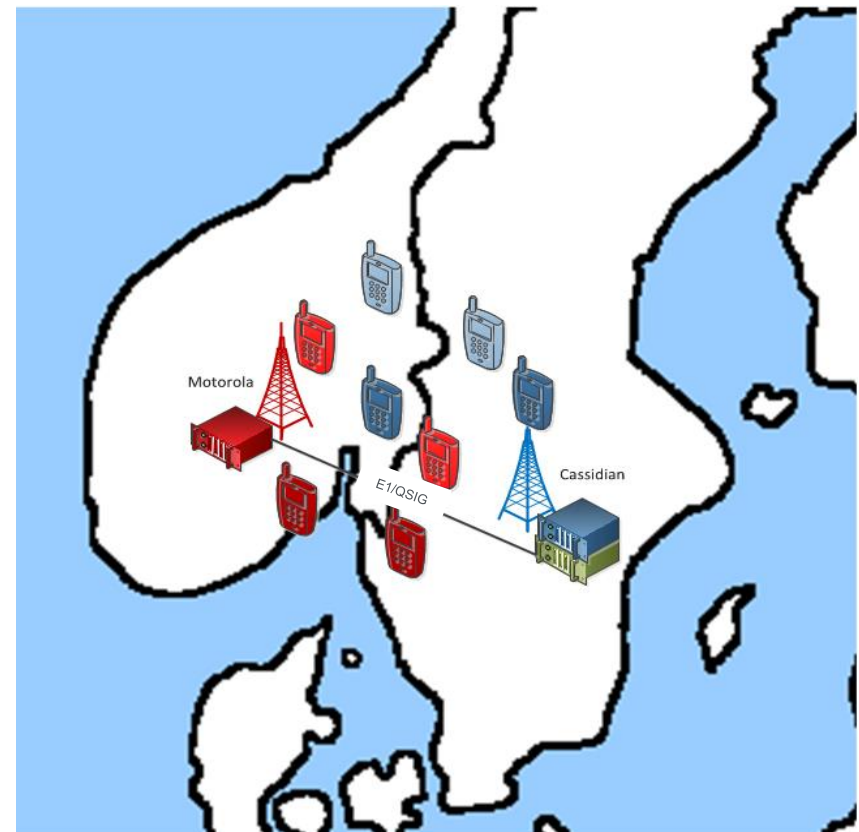
- Demonstrate interoperability between different mission critical agencies
  - Interoperability between agencies in different countries
  - Interoperability between different agencies in different countries
- All demos shall focus on procedures
- Demonstrate that interoperability procedures are backed up by terminals, networks and tools
  - Between vendors
  - Between technologies

Multi-Agency demo  
(TETRA – TETRA)

Procedures and technology for

- Cross border Communication
- Air Interface Migration
- Multi Agency Cross Border Communication

- Trial leaders: DNK & MSB

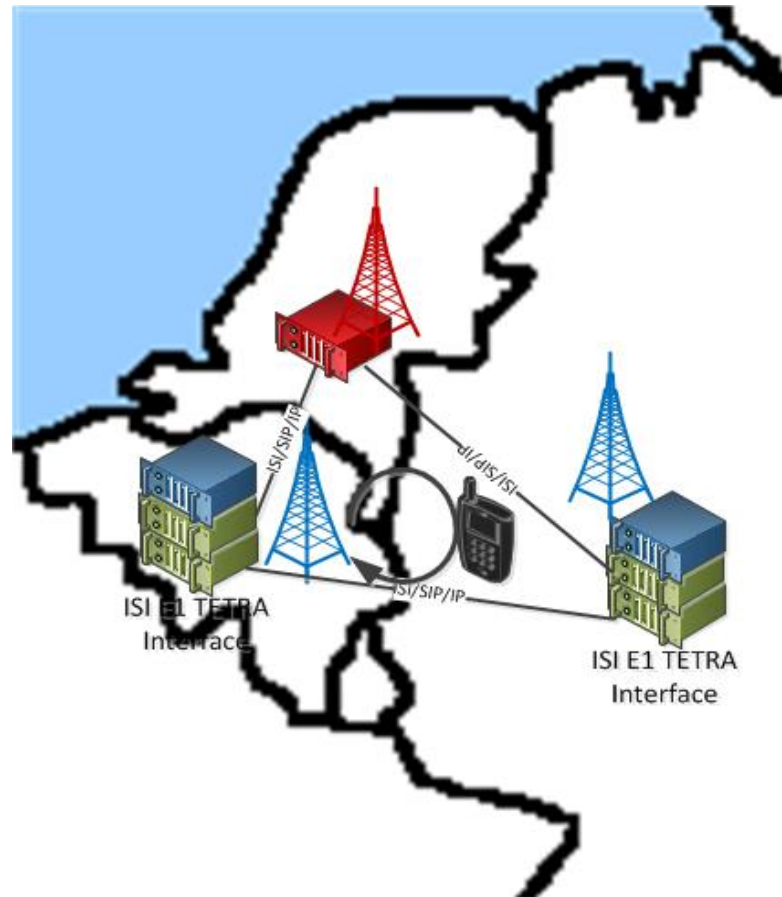


Police hot pursuit  
(TETRA – TETRA)

Procedures and technology for

- Cross border Communication
- Air Interface Migration
- **Terminal can migrate to two foreign networks**

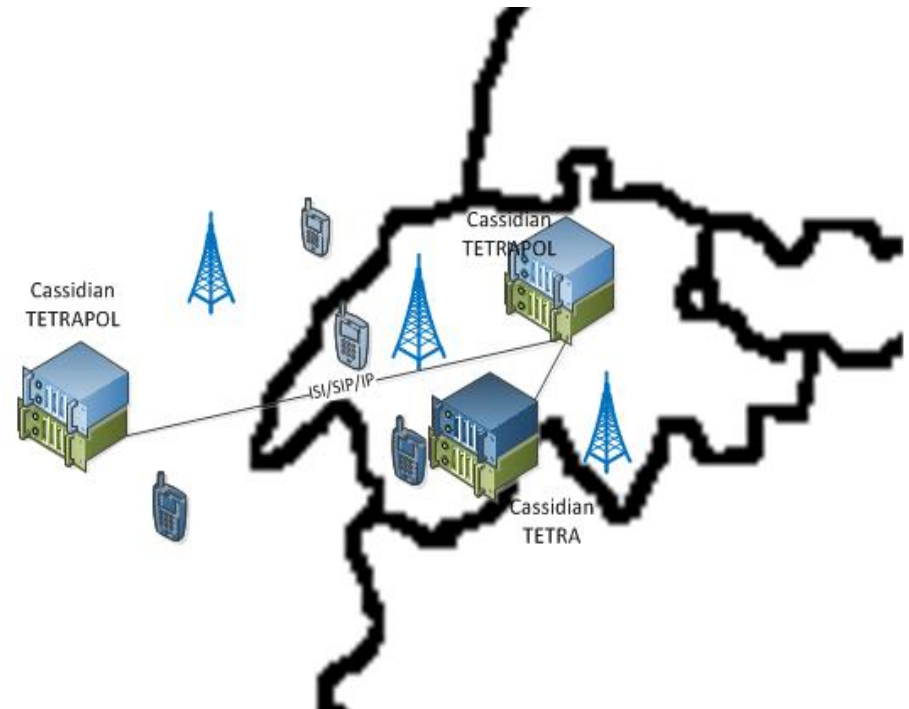
- Trial leader: V&J



## Airplane disaster in Geneva (TETRAPOL – TETRAPOL TETRA – TETRAPOL)

Procedures and technology for

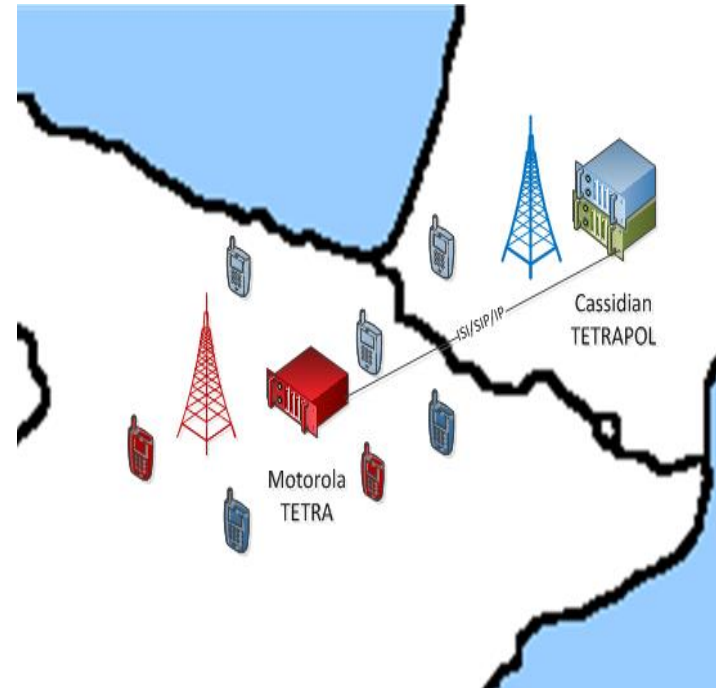
- Cross border Communication
- Air Interface Migration
- Trial leader: Cassidian France



Joint police surveillance patrol  
TETRA – TETRAPOL

Procedures for

- Multi Agency cooperation
  - Cross border Communication
  - Air Interface Migration
- 
- Trial leader: Amper



VIP Protection  
(TETRA – TETRAPOL)

- Procedures for Multi Agency cooperation
- Air Interface Migration
  - **Only local communication in Brussels**
    - **No cross border audio**
  - Trial leader: Belgian Federal Police

