

POSSE

Promoting Open Specifications and Standards in Europe

Good Practice Guidelines

POLIS Conference – Madrid

A Guide to delivering ITS and systems interoperability to bring down costs and overcome vendor lock in

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INTERREG IVC
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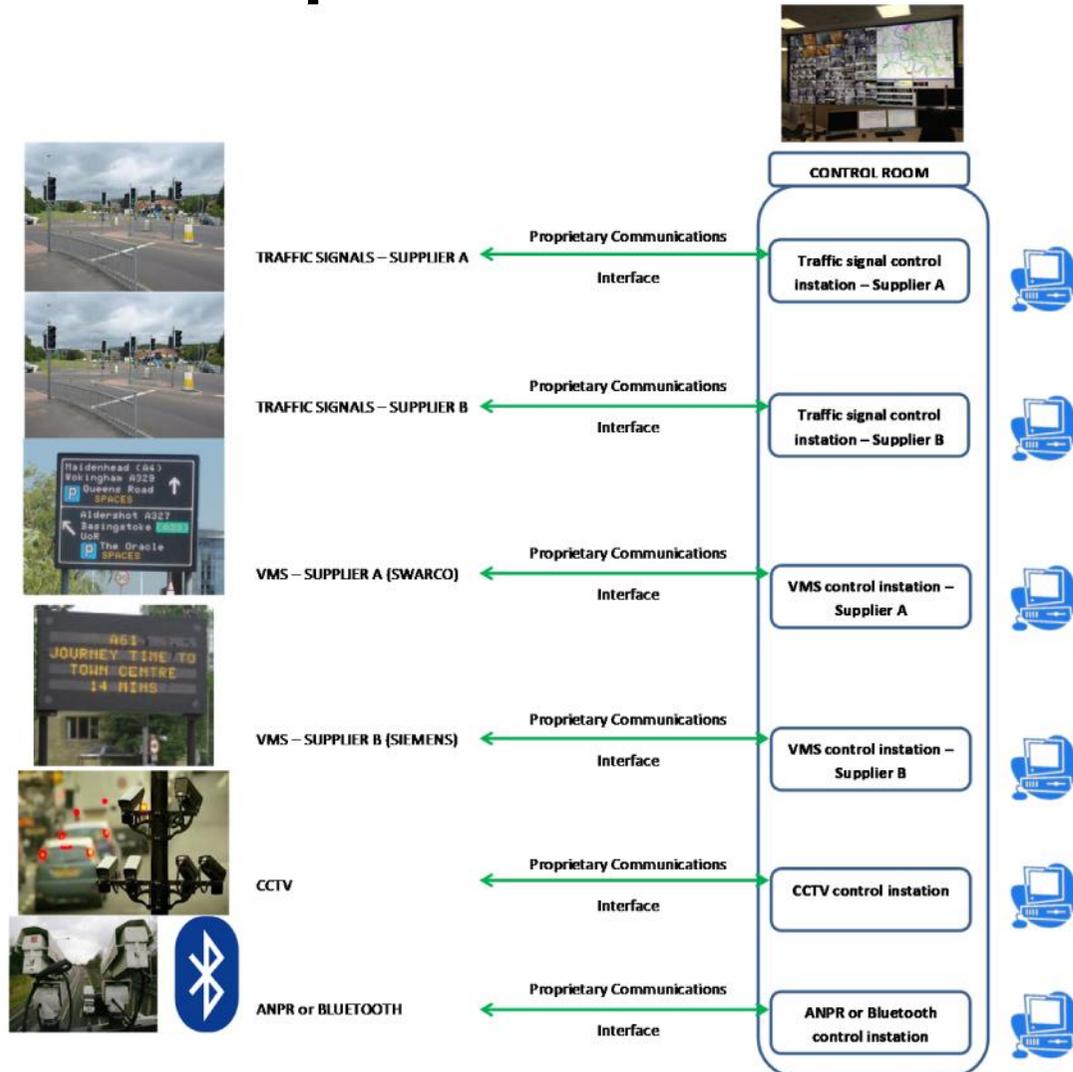
This project is co-financed by the ERDF and made possible by the INTERREG IVC programme.

What is POSSE?

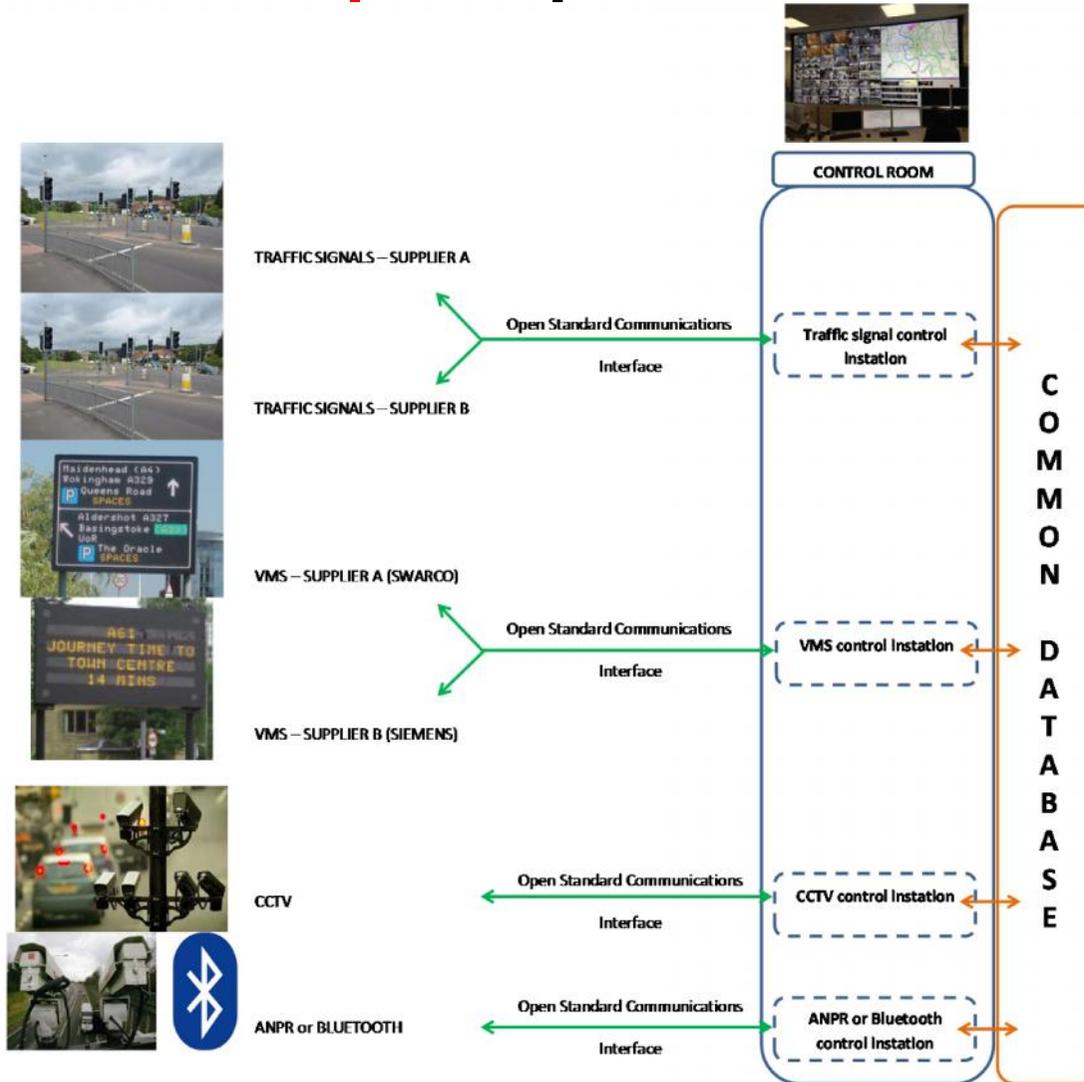
- **Promotion of Open Specifications and Standards in Europe**
in the area of Intelligent Transport Systems (ITS) and with a particular focus on traffic management authorities
- **Knowledge exchange project co-financed through the INTERREG IVC programme (3yr project from Jan 2012)**
- **Exchanges knowledge between two of the best practices in Europe in this area and the transfer sites**
UTMC (Universal Traffic Management & Control)
UK



What Are Specifications & Standards?



What Are **Open** Specifications & Standards?



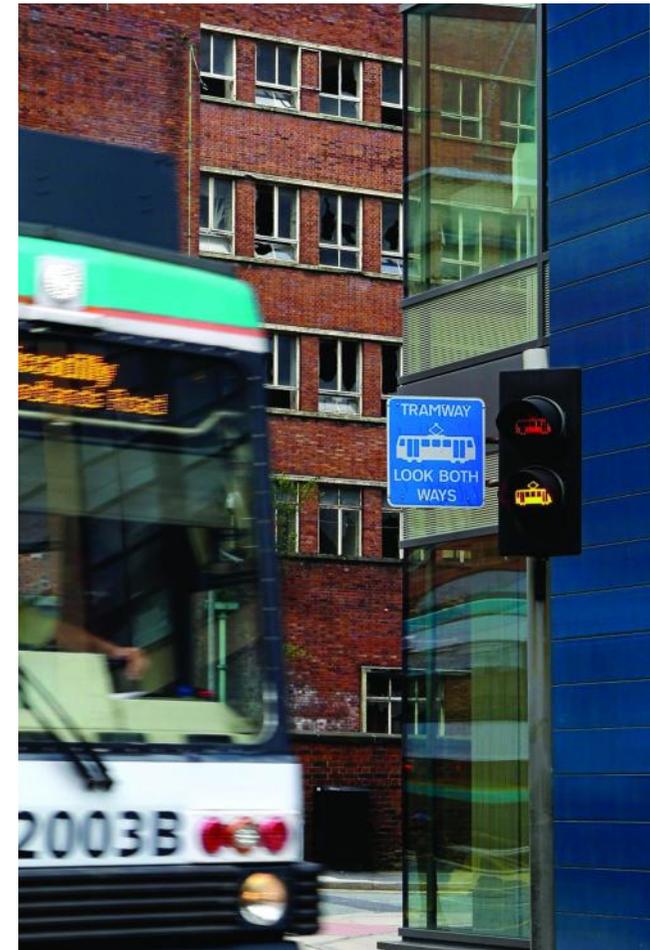
What does the Guide do?

- It shares UTMC's and OCA's experiences, their approach and what they have learnt
- It identifies the benefits of Open Specifications and standards to help secure political and financial support
- It identifies key transferability issues which have been identified from working with the transfer sites.
- It gives an overview of the stages in developing and implementing open specifications and standards.



Who is the Guide For?

- Actors involved in Strategy, planning, design, specification and implementation of ITS
- Public sector and Private Sector suppliers
- Focuses on the processes and not the technical detail of the standards.



The benefits of Open Specifications & Standards

- 1) More Efficient Traffic Operations**
 - EG event strategies
- 2) Cost Savings**
 - around 30% – 40%
- 3) Simplified and more Structured Procurement**
- 4) Promoting Innovation**
 - Opening the market to new suppliers with innovative ideas
- 5) Better Customer / Supplier Relationship**
 - Public / private working together is key to developing OSS



UTMC Experience

UTMC

- Initially a Govt led programme
- Covers a range of ITS technologies and now applied by over 100 authorities mainly in UK.
- Ensures interoperability between suppliers systems and is built around a common database which enables network management strategies
- It is a framework of standards tailored to the particular ITS systems.
- Standards are fully open and can be freely downloaded from the Internet



OCA Approach to Open Specifications and Standards

OCIT

- A detailed technical standards for traffic signal and control centre interoperability led by the suppliers.
- Implemented in a number of countries across Europe.
- Open although there is a cost to the supplier and user of OCIT.

OTS (Open Traffic Systems)

- A developing framework of technical standards for a wider range of ITS systems drawing primarily on DATEX2.



UTMC and OCA – Lessons from POSSE

- Standards such as DATEX are large and wide ranging. Both UTMC and OCA OTS apply the relevant parts of these standards to particular applications to ensure interoperability.
- Legacy systems, the suppliers markets and different local and national approaches means one size does not fit all.
- The concepts of UTMC and OCA OTS can be transferred but not necessarily the detail.
- Authorities looking to develop open specifications and standards may need to draw on a number of sources to deliver open specifications and standards relevant to them.



How to Develop Open Specifications and Standards

Phase 1: Defining needs and system requirements

What ITS do I need and are there already OSS which I can use.

Phase 2: Determining the best approach

Am I large enough with sufficient buying power to go it alone or do I need to work with other cities or nationally

Phase 3: Production of OSS

Do I have the necessary technical skills, should I procure, what about challenging industry with a demonstrator project.

Phase 4: Project evaluation

Does the resulting OSS meet the objectives

Phase 5: OSS maintenance

How do ensure wider take up and keep the OSS up to date



Further Information

www.posse-openits.eu

- Links to UTMC technical standards and OCA translated detailed guidelines are coming soon.

