

Systematic Case

Introduction

In a military battlefield we have the capability to establish situational awareness, what in other settings may be referred to as a Common Operations Picture (COP).

We want to extend the possibilities offered by Systematic SitaWare to cover civilian scenarios where actors from police, armed forces, hospitals and emergency management works together to control a situation.

We envision a scenario where the commanders from a mobile headquarter can evaluate incoming information, act upon it and possibly dispatch orders or information to relevant actors to respond to.

Requirements

Provide a Common Operations Picture (COP) to the commanders in charge of the operation.

The COP must provide both static and dynamic information.

Static information may be:

- Demographic data
- Fresh water supplies
- Hazardous matters
- Construction work

Dynamic information must at least be

- Location of the actors deployed in the area
- Observations made by actors in the arena
- Weather information

It must be possible to focus on various sources and types of information in the COP.

It must be possible to review the history of one or more events shown in the COP.

It must be possible to register events using the platforms currently employed by the various actors.

It must be possible to send information to the platforms currently employed by the various actors.

It must be possible to control the distribution of messages based at least on the following set of criteria:

- Geography
- Role
- Group
- Identity

Finally we want a proposal for a future Dismounted COP.

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This solution must be handheld and shall provide a condensed Common Operations Picture which enables the commanders to act independently of the mobile HQ. The solution may require commercially available terminals, middleware and protocols not currently employed. The development of the dismounted solution proposal shall be propagated to a subcontractor.