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# Introduction (Michael)

This case will investigate the initial processes from the INCOSE Systems Engineering Handbook (1). It has the purpose to educate the attendees in applying the technical processes be using them in a real life case with unreal companies involved. The case work will furthermore train the attendees in the art of systems engineering in general.

# Vision & Scope(Peter)

1. Problem Statement
   1. Project background

In crisis situations coordination between authorities is crucial. A train accident may require involvement from authorities such as traffic police, Medicare, firefighters and train related authorities.

It is crucial that the commander in charge has the optimum situational awareness, which is also known as the Common Operations Picture (COP).

Systematic provides with its SitaWare solution a complete COP management system for military purposes.

Systematic wishes to extend its solution to the domestic area. The intention is to provide a COP collecting infrastructural, personnel and other important data to the commander in charge.

* 1. Stakeholders
     1. Police
     2. Armed forces
     3. Hospitals
     4. Emergency Mgmt.
  2. Users
     1. Commander
  3. Risks
  4. Assumptions
     1. Can we assume that all persons/groups are equipped with a GPS? GPS connection is always available?
     2. Access to data such as weather information is always available?
     3. Power is always available (evt. via generators)
     4. Backup system exists (radio)

1. Vision of the Solution
   1. Vision statement
   2. List of features
   3. Scope of phased release (optional)
   4. Features that will not be developed

# Stakeholder needs

## Identify legitimate stakeholders (Anders)

## Elicit requirements (Michael)

## Use cases / Build scenarios (David)

Build scenarios to define the concept documents; the range of anticipated uses of system products; the intended operational environment; and interfacing systems, platforms, or products.

# System solution constraints (Christian)

## Define constraints

Define constraints imposed by agreements or interfaces with Legacy enabling systems.

## ?

## (Main output from: Stakeholder Requirements Definition Process)

# Concept documents (David)

## Concept of production

## Concept of deployment

## Concept of operation

## Concept of support

# Requirements specification

## Functional requirements

## Non-functional requirements

## Performance requirements

# Architectural constraints

# Verification strategy

# Bibliography

(1) **International Council on Systems Engineering**. *INCOSE Systems Engineering Handbook v. 3.2a*. INCOSE, 2010.

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