



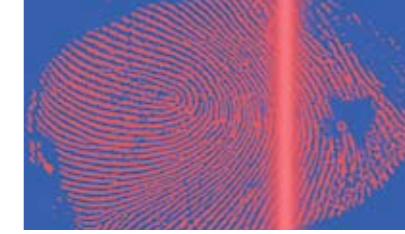
# Insta iCM

inter-organisational Crisis Manager

Saving lives.



# Insta iCM – solution for situational awareness and crisis management



## Field proven solution

Insta iCM has been widely tested in different kinds of international and domestic crisis environments.

- **CITY04 exercise in Helsinki, Finland, June 2004.** Domestic rescue officials shared situational overview in cross organizational exercise
- **International practice in Sarajevo, October 2004.** International crisis management organizations used the system for sharing situational overview in cross organizational exercise in Bosnia and Herzegovina
- **ALTHEA operation in Bosnia and Herzegovina, March 2005.** System is used by Task Force North
- **NATO CWID in Norway, June 2005.** Successful interoperability tests between CMS and NATO C2 systems using MIP protocol as the first civil - military system ever.
- **Barents Rescue exercise in Norway, September 2005.** Finnish local governments and ministries were provided situational overview from the international catastrophe prevention exercise.
- **Crisis management application is in use by governmental authorities in Finland, 2006 -**

**Insta iCM – inter-organizational Crisis Manager** – is a solution for situational awareness and crisis management. Insta iCM is designed to facilitate decision-making and the coordination of operations between crisis management organizations both in international and domestic crisis situations.

### Objectives of the solution

Insta iCM has the objective of improving the safety and security of field personnel by improving access to relevant security-related information. Insta iCM has been developed and tested together with end user organizations, with the aim of developing it into an internationally interoperable management and information-sharing system for civilian crisis management organizations.

### Description of the solution

Insta iCM operates on modern PCs and laptops. The system is browser-based, which makes it easy to access anywhere in the world.

The ease of use and versatility of Insta iCM enables it to be quickly deployed in all kinds of crisis situations and environments. The solution's flexible technology platform enables scenarios to be created varying from complex homeland security or international crisis environments where numerous systems and data sources are integrated to straightforward catastrophe scenarios where fast deployment and simple ease of use are essential.

Insta iCM is not dependent on any network technology, but can be accessed over any available existing or

## Secure communication solutions and services for demanding environments



newly deployed data network, such as GPRS, WLAN, satellite networks or TETRA.

### Component based solution

The iCM solution can be collated of different applications and components according to user needs. The basic solution comprises the following basic components:

- Map based situational overview for visualizing the overall status. Events are shown on the map as symbols, which can be clicked to find more detailed information required for establishing the correct course of action. The set of map symbols is completely customizable according to purpose.
- Incident management component for coordinating situations. Events and incidents are recorded in event forms and distributed to targeted user organizations. The organiza-

tions can tailor their situational overview with advanced search functions both on event management and the map based situational overview.

- Content visibility is role based, i.e. restricted to the specified organizations, departments and user roles. The user has access only to the information that is allowed by his user role.
- Other functions such as collaboration tools; secure email, calendar and video conferencing can be added if necessary.

### Interfaces

Insta iCM allows for three types interfaces outside the system:

- Exchanging information with other systems: sharing incident and alert data and importing situational data for providing all the relevant information for the users.

- Interfaces to communication systems of security authorities, e.g. email, TETRA, GSM.
- Interfaces to alert systems for reaching the public: e.g. SMS, civic defense systems and public announcements.

### Security

The solution supports different security levels and data confidentiality requirements. Role-based access control using PKI-based smart card authentication and encrypted information distribution is recommended for high security requirement environments. For uses where transparency is essential, the system can be configured to have low-level access control or none at all.

## Features of the iCM solution

Insta iCM technical feature:	User benefits:
<ul style="list-style-type: none"> <li>• Portal application supporting JSR-168 standard</li> </ul>	<ul style="list-style-type: none"> <li>• Modular and customizable user interface</li> <li>• Possibility for user-specific layout customization</li> <li>• Embedding iCM with other vendors' portal applications</li> </ul>
<ul style="list-style-type: none"> <li>• Scalable J2EE-based architecture</li> </ul>	<ul style="list-style-type: none"> <li>• iCM service may be deployed locally in the laptop, enabling offline use or use in a centralized server environment with no need for client installation. Also several combinations possible</li> </ul>
<ul style="list-style-type: none"> <li>• Form-based data handling with history data recording</li> </ul>	<ul style="list-style-type: none"> <li>• Powerful search and filtering capabilities for all system data – real-time or historical</li> <li>• Management audit trail</li> </ul>
<ul style="list-style-type: none"> <li>• Advanced GIS solution using ESRI ArcGIS Server</li> </ul>	<ul style="list-style-type: none"> <li>• Supports various spatial data such as raster and vector maps, satellite images, thematic maps and custom graphics</li> <li>• Symbology is fully customizable, iCM provides built-in support for 2525b and ANSI symbols</li> </ul>
<ul style="list-style-type: none"> <li>• Data replication between iCM units for low and high bandwidth connections.                             <ul style="list-style-type: none"> <li>• XML-based replication for low bandwidth such as radio or satellite networks</li> <li>• Database replication for high bandwidth networks</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• iCM service can be distributed for demanding environments with limited or no connectivity</li> <li>• Web-based portal UI for high-speed networks: only one server is needed</li> </ul>
<ul style="list-style-type: none"> <li>• Data integration using standard interfaces such as SOA, XML, Web Services, EJB and MIP</li> </ul>	<ul style="list-style-type: none"> <li>• Import of relevant data from other systems such as GPS devices, emergency centers, military systems, GIS services, weather services etc.</li> <li>• Export of iCM data to other systems; SMS alerts, interfaces to public etc.</li> </ul>
<ul style="list-style-type: none"> <li>• User administration supporting LDAP and remote administration</li> </ul>	<ul style="list-style-type: none"> <li>• Users, user groups, organization structures and ad hoc project teams can be administered using Web interface</li> </ul>
<ul style="list-style-type: none"> <li>• Optional portal-based collaboration tools</li> </ul>	<ul style="list-style-type: none"> <li>• Instant messaging, email, calendar, VoIP calls, web conferencing and document sharing</li> </ul>



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Insta DefSec's Security Systems is a global information security specialist developing and supplying networking and information security solutions. We focus on innovative solutions and applications for customers with high quality and security requirements. Our top-level expertise and technology, combined with our certified operating practices, have ensured us an internationally recognized position as one of the leading security companies in the market.