In the spring of 2006, a public-private partnership started with work on a prototype for MIMER and a Common Situation Awareness in Sweden (in Swedish GLU). The aim is to establish a Common Situation Awareness within the electronic communications sector in the event of major disruptions to the electronic communications networks.

The aim of MIMER is to reduce disruptions within the electronic communications sector and to reduce the impact of disruptions on other sectors in society whose operations depend on electronic communications. A further aim is to increase the capacity of society to deal with the impact of disruptions and interruptions to the electronic communications networks.

The MIMER prototype has been further developed and also been evaluated in conjunction with national crisis management exercises within the electronic communications sector in year 2007 and 2009 (Telö 07 and Telö 09). In year 2007 it was decided that MIMER would be implemented and put into use.

**What is MIMER?**

MIMER is a combination of methods, common standards and technology.

**Methods**

Methods are an important component of MIMER. One basic task is to encourage competitors and various stakeholders to collaborate so that a common situation profile can be established.

**Joint agreement**

A simple ‘joint agreement’ has been developed within MIMER regarding information about disruptions in electronic communications. The effect of this is a uniform (or aligned) approach regarding content, handling and presentation of information regarding disruptions within the sector. This applies both between telecom operators and external users.

**Technology – ‘emergency information system’**

By using common standards as a foundation to combine technologies available ‘off the shelf’s’ and placing these in protected underground premises with redundancy, an operationally reliable ‘emergency information system’ is established which can be easily developed in pace with changes in
technology and requirements. One requirement is for MIMER to be cross-border and that it must be possible to implement the system in other countries within the European Union.

**Increased collaboration between stakeholders in society**

A Common Situation Awareness increases the potential for collaboration, as telecom operators can quickly receive and exchange detailed information about the status and outlook of ongoing disruptions to important services in the telecommunications networks. The telecom operator can use this information when working to restore capacity in the electronic communications networks and reduce the impact of these disruptions.

Other stakeholders in society and the customers of telecom operators also need information so that they can plan and take action according to their own needs. Some of the information included in MIMER can be rephrased so that it is comprehensible to other interested parties and then submitted to them. The customers of telecom operators may include other telecom operators, undertakings, public authorities, municipal authorities and individuals. In MIMER, these parties and other stakeholders in society within, for example, the power sector as well as among emergency preparedness authorities, the mass media and the general public can access information about the situation via the Internet and the respective operator’s website.

More information about the disruption situation as regards electronic communications improves the potential for collaboration during an emergency between a large number of stakeholders, which leads to the general improvement of society’s crisis management capability.

**MIMER facilitates reporting to national emergency call centers (SOS Alarm)**

Telecom operators submit reports to SOS Alarm concerning disruptions that affect the possibility of using the national emergency call number: 112. A special interface has been set up to inform SOS Alarm. MIMER’s information processing gives telecom operators the opportunity to inform SOS Alarm in a joint and structured manner through an electronic format. One aim of using the same format is that this facilitates SOS Alarm’s analysis work concerning how ongoing disruptions affect the possibility of accessing the national emergency call number (112) and general crisis management in society.

**Many parties are participating in this work**

MIMER work is conducted at the National Telecommunications Crises Management Coordination Group (NTCG), and the Swedish Post and Telecom Agency (PTS) is the project coordinator. NTCG comprises the Swedish Rail Administration, the Swedish Armed Forces, Hi3G Access (3) AB, PTS, the Swedish Urban Network Association, AB Stokab, Svenska Kraftnät, TDC Sverige AB, Tele2 Sverige AB, Telenor Sverige AB, Telia Sonera AB and Teracom AB. Following functionality testing of MIMER, it is hoped that more telecom operators will be able to benefit from the project as well as utilise certain parts of MIMER.

The following telecom operators participate in MIMER and provide public disruption information via the Internet, as well as inform SOS Alarm about disruptions affecting the emergency call number (112): Hi3G Access (3), Telenor, Telia Sonera, TDC and Tele2, in addition to several urban networks that participate via the Swedish Urban Network Association.
MIMER is financed by PTS, the European Commission (within the framework of the European Programme for Critical Infrastructure Protection), the Swedish Urban Network Association and the telecom operators Hi3G Access AB (3), Telenor Sverige AB, Telia Sonera AB, TDC Sverige AB and Tele2 Sverige AB.

Contact details and more information
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