



OASIS

Open Advanced System for Crisis Management

The objective of **OASIS** is to define and develop a first version of an open, flexible and generic Information and Communication Technologies (ICT) Crisis Management system.

This Command and Control system aims to support response and rescue operations in the case of large scale emergencies.

Project Acronym: **OASIS**
Project Reference: **IST-2002-04677**
Contract Type: **Integrated Project**
Start Date: **01/09/2004**
Duration: **48 months**
End Date: **31/08/2008**
Project Cost: **19,551,942 €**
Project Funding: **10,500,000 €**

More information:

<http://www.oasis-fp6.org>

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Objectives

OASIS intends to facilitate the co-operation between the information systems used by civil protection organisations, in a local or wider environment. It will take advantage of the large experience of the different **OASIS** partners both in Civil Protection as well as in the Military domain. For example, a major achievement would be to allow operational units from different countries to exchange information, even if they are not speaking the same language, as can be done between armies from different countries, thanks to the work performed in the NATO environment.

The main goals of **OASIS** are:

1. to provide an IT framework, compliant with existing standards, which can be used at the different levels of the Civil Protection organisations in Europe;
2. to provide, within this framework, a first set of applications which shall cover the main needs identified by the end-users who help define **OASIS**;
3. the capability to replace one component developed for **OASIS** by an existing component which follows the **OASIS** defined standards;
4. the capability for other users to benefit from the services offered by the **OASIS** framework and to incrementally integrate additional applications.

Description of the work

OASIS will:

- 1) analyse the user requirements to extract European generic system requirements;
- 2) specify and design a true generic, interoperable and open system architecture which will allow easy deployment at every level of the action chain.

The project will provide the definition of:

- the system backbone (data bases, common operating environment and fully interoperable message handling system), supported by a reliable and secure communication network;
 - the deployable broad-band wireless communication network;
 - the command and control functions;
 - the decision support software modules.
- 3) implement these architectural concepts through the development of 2 versions of a pre-operational system;
 - 4) validate and evaluate these 2 versions with users from different EU countries. The evaluation sessions will be performed in the frame of operational scenarios.

Participants:

- EADS DEFENCE AND SECURITY SYSTEMS SA, France
- EADS Deutschland GmbH, Germany
- BAE SYSTEMS (OPERATIONS) LIMITED, United Kingdom
- ERICSSON MICROWAVE SYSTEMS AB, Sweden
- FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., Germany
- DATAMAT S.P.A., Italy
- CRANFIELD UNIVERSITY, United Kingdom
- THALES NORWAY AS, Norway
- EDISOFT - EMPRESA DE SERVICOS E DESENVOLVIMENTO DE SOFTWARE S.A., Portugal
- MEDIUM SOFT A.S., Czech Republic
- RUSSIAN ACADEMY OF SCIENCES, Russian Federation
- EADS ASTRIUM S.A.S., France
- SINTEF - Stiftelsen for industriell og teknisk forskning ved Norges Tekniske Høgskole, Norway