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# Ricerca partner dall'Europa bando congiunto ICT Security

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Oggetto: ricerca partner dall'Europa per il bando congiunto ICT Security

ricerca partner per il bando congiunto ICT Security.  
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----- PARTNER SEARCH ICT-EU-SMCP-4 -----  
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<Reference n.: ICT-EU-SMCP-4>

<Deadline: 15/11/2007>

<Programme: >ICT SEC

<Project Title: Real Time Location Framework for First Responders>

<Financial Scheme: >

<Description: Nowadays, first responders plan rescue missions and define action plans based on critical and accurate information about who, where and when things happen.

Whenever an emergency happens (e.g. fire, earthquake, hurricane, robbery, terrorism attempt), the demand for information increases. Unfortunately, the availability of information systems tends to diminish every time an organization has to deal with a critical situation, as for example when power supplies and/or communications collapse or communications are purposely cut off.

First responders such as the police, medical teams or fire fighters don't usually have access to key information that is kept on the information systems run by the organizations in need of help. This lack of information increases response time and reduces the efficiency of rescue missions, where most of the times the failure is measured in "number of lives lost".

SecureISNow believes that there is a way to make this extremely valuable information available for the rescue forces using both standard solutions and novel technologies.

SecureISNow aims to provide organizations a Location-Based Services Framework (LBS Framework) that will allow first responders to seamlessly connect and process accurate

information about the location and state of people, critical equipment and dangerous materials inside the organization facilities immediately before the emergency situation happens and/or when the emergency is happening.

SecureISNow proposes to develop a platform solution that allows different kinds of organizations and first responders to build specific software tools that use the information available from the LBS Framework installed in each organization. Different tools can be developed according to the specific function and mission of certain rescue forces.

The LBS Framework is set on a service-based architecture with redundancy mechanisms, in order to assure the availability of the LBS Framework on day-to-day organization activities as well on emergency and critical situations where systems collapse.

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In order to provide flexibility, LBS Framework aims to operate based on several standard and widespread technologies such as Wi-Fi, RFID, GPS or Galileo and GSM/GPRS. This flexibility will allow the selection of what technologies should and can be adopted according to the working environment, context and dimensions of the organization facilities.

#### Possible Scenario

Imagine a fire in a 10 floor building. The energy supply and communications collapse. When the fire fighters arrive at the building, they can use their PDA or Laptop PC to connect to the LBS Framework of that specific building and find out the number of people that were inside when the fire started, as well as their location. They can also find out which sectors of the building contain dangerous materials (e.g. explosives, gas, chemicals).

With the correct tools the rescue forces can get an accurate overview of the emergency scenario not only when planning the mission, but also during the mission itself. This kind of information may leverage the success of rescue missions - Saving Lives.>

<Organisation Type: Impresa>

<Partner Sought: RFID Reader Development (Research and Development)

- WI-FI Portable Tag Miniaturization (Research and Development)
- First Responder Institution (Demonstration)
- Critical Infrastructure Organization (Demonstration)
- SME x Research x Technology Transfer>