

## ATTACHMENT 1

### Description of Project

#### **Cooperative Research and Development Project Between Ericsson Inc and U.S. Army**

##### **Objective:**

The purpose of this project is to evaluate the usage and application of UMTS technology to current and future military communications projects.

##### **Background:**

Ericsson and The Army have been in discussions concerning the capabilities of UMTS systems and the telecommunications requirements of military programs. Ericsson and The Army are interested in pursuing a project to further assess the capabilities of UMTS in the context of these programs. Ericsson has developed and manufactured a commercial trial UMTS system packaged in self-contained transportable trailers. Pending results, DOD intends to purchase this system under a Foreign Comparative Test ("FCT") program and conduct joint testing with The Army and the Special Operations Command (SOCOM). Prior to the approval of the FCT program, Ericsson and The Army are interested in commencing a UMTS study under the terms and conditions of a Cooperative Research and Development Agreement.

##### **Approach:**

Ericsson will deliver a self contained UMTS trial system in the 2.1 GHz frequency spectrum to The Army's facility at Fort Monmouth, New Jersey. This system includes all of the necessary nodes for a UMTS network, including Radio Network Controller, Radio Base Station, MSC/VLR, Media Gateway, HLR/AUC, SGSN, GGSN, O&M node, Service Network, IP Backbone and a limited number of Terminals. These nodes will be contained within two twenty-foot containers and a remote RBS container. In addition, Ericsson will provide Installation and Integration services and Professional Services including Operations and Maintenance, Customer Support, Training for up to 5 individuals and trial Applications. The Army will provide the site on Fort Monmouth for the UMTS system, where tests will be conducted and the UMTS system will be evaluated in accordance with a test plan to be developed by The Army.

##### **Anticipated Results:**

Upon completion of the evaluation, The Army will have made an assessment of the potential for UMTS in DOD Communications programs.