



**MOTOROLA**

Systems Technology Division  
Land Mobile Products Sector

September 1, 1994

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## **EXHIBIT 1**

### **Background**

In 1993, Southern Companies Services, Inc. an Alabama corporation with offices at 64 Perimeter Center East, Atlanta Georgia 30346 has obtained FCC licenses and approvals to construct and operate an Advanced Enhanced Specialized Mobile Radio System (ESMR) in various geographical areas within the United States. Subsequently, Southern Companies has entered into a agreement with Motorola, Inc. in December 1993 for the purchase and installation of an ESMR system in these designated areas.

The ESMR system uses Time Division Multiple Access (TDMA) technology and allows six simultaneous voice users in a single 25 khz channel. ESMR will allow Southern Companies to offer the following services from a single subscriber unit: Advanced Dispatch, Telephone Interconnect, Roaming and high speed data communications. The deployment of this ESMR system at Southern Companies premises has begun and live operation is targeted for 1995.

### **Experimental License Requirement**

Prior to the deployment of this system at Southern Companies' premises and in addition to in-house laboratory testing, , Motorola Inc. plans to conduct alpha testing in the Chicago area in a real RF environment. A suitable pre-existing antenna site has been identified and is located at 5461 N. East River Road, Chicago, IL 60656 , and this site has been chosen to house the Advanced ESMR base station alpha site. The alpha test shall verify ESMR system functional and performance and reliability requirements and identify ESMR system weaknesses and bottlenecks in a real RF environment.