EXHIBIT A

NARRATIVE STATEMENT

Pursuant to Section 5.3(d) and (f) and Section 5.61 of the Commission's rules, 47 C.F.R. §§ 5.3(d), (f), 5.61 (2007), Motorola, Inc., hereby respectfully requests special temporary authority ("STA") from **February 17, 2009 through June 12, 2009**, to operate on 740-758 MHz (channels 59, 60 and 61) and 770-788 MHz (channels 64, 65 and 66) for the purpose of testing and demonstrating prototype devices designed to support the needs of the public safety and homeland security community.

This request is identical to Motorola's earlier requests granted under ELS File Nos. 0408-EX-ST-2008 and 0549-EX-ST-2008 (except with respect to the tests at the IACP Conference authorized under those STAs), but seeks to extend that authority so that it may continue to test prototype devices in light of the postponement of the DTV transition deadline. Consistent with its earlier authority, however, Motorola will obtain approval from the Society for Broadcast Engineers ("SBE") for its tests prior to commencing any operation.

As provided under Section 5.61(b) of the Commission's rules, 47 C.F.R. § 5.61(b)(2007), this application is also intended to serve as a continuance or extension of Motorola's authority to operate as permitted under its current STA pending action on this application. Motorola understands that such continuance or extension applies only to the operations authorized and as conditioned under the current STA (again, except with respect to the tests at the IACP Conference) and that it must wait action on this application before it may operate in any manner or at any site proposed in this application that is at variance with operations authorized or conditioned under the current STA. The extension is necessary to allow Motorola to continue its tests pending Commission action on applications filed by its customer for licenses under Part 90 and other FCC Rules.

Further, please note that Motorola is <u>not</u> seeking authority to perform a market study under this STA. As discussed in greater detail below, Motorola does not propose to market, sell, or lease prototype equipment to users. No fees will be charged to entities evaluating the equipment during this test. After the test is completed, Motorola will recall and recover all unapproved devices.

A. Purpose of Operation and Need for STA:

Motorola is a leading manufacturer of mobile radio equipment for the public safety and homeland security community and is continually engaged in the design and development of a new and innovative communications equipment. The experimental authority requested herein will allow the company to test the performance of prototype devices, to demonstrate their operation and functionality to persons involved in public safety and homeland security activities, and to determine user acceptability.

Specifically, Motorola proposes to conduct a demonstration of prototype equipment to accommodate requests from public safety agencies. Motorola respectfully requests that the FCC grant the STA for the period February 17, 2009 through June 12, 2009.

Grant of an STA will allow Motorola to demonstrate prototype equipment and obtain additional feedback so that it may enhance the company's efforts to design, develop and improve its equipment to meet the communications needs of potential users.

B. Locations of Proposed Operation:

Motorola proposes to conduct its tests and demonstrations using base stations at locations as described below. Location No. 1 is a site in Sterling, IL, operated by the Illinois State Toll Authority. Under the authority requested in the STA, Motorola also seeks to conduct tests at three alternative locations within 10 kilometers of that site. For purposes of this application, Motorola has identified this sites as Location No. 2. Mobile operations will be occur within 10 kilometers of the fixed base stations.

Location No. 1:	Location No. 2:
Sterling (Whiteside), Illinois Fixed Base Station at North Latitude 41 deg 47' 18" West Longitude 89 deg 32' 04" Datum: NAD83	Sterling (Whiteside), Illinois Temporary Fixed Base Station within 10 km of North Latitude 41 deg 47' 18.0" West Longitude 89 deg 32' 04.0" Datum: NAD83

C. Technical Specifications:

1. Frequencies Desired

Motorola requests authorization to operate in the band 740-758 MHz (channels 59, 60 and 61) and in the band 770-788 MHz (channels 64, 65 and 66). TV channels 59, 60 and 61 will be deployed for the base station transmit to mobile downlink, and TV channels 64, 65 and 66 for the mobile transmit to base station uplink.

Motorola has selected spectrum for this test that it has determined may be used without causing harmful interference to broadcasting stations or to land mobile stations. It has conducted studies to ensure that there are no operational co-channel or adjacent channel TV stations within the interference range of the proposed demonstration that require protection. Motorola's test facilities will also be operated to confine out-of-channel emissions within the "simple" mask specified in Section 74.794 of the FCC's rules, 47 C.F.R. § 74.794 (2007). In addition, Motorola will evaluate environmental considerations to ensure compliance with Section 1.1306 of the FCC's rules, 47 C.F.R. § 1.1306 (2007), and, in particular, the human exposure requirements set forth in FCC OET Bulletin No. 65.

Motorola plans to coordinate with SBE before operating in any of these bands. Indeed, it has already contacted SBE representatives to discuss this matter as well as to share the results of its interference analyses. By way of example, attached is a representative study conducted for the proposed operations at Sterling, Illinois. These analyses will demonstrate that there should be no interference to existing full power stations, as described in greater detail below.

Motorola is also working closely with the Illinois State Police, Illinois Department of Transportation, and other local public safety organizations in the proposed areas of operation to coordinate the use of the 700 MHz spectrum. Additionally. Motorola has discussed this matter with the respective commercial auction winners of channels 59, 60, 61, 64, 65 and 66 in the proposed areas of operation to ensure against interference to any operations they might be conducting in anticipation of the digital TV transition next year, and it has already obtained certain approvals for its proposed operations. Motorola also intends to monitor the spectrum continuously while it conducts the proposed tests and will have a means of real time communications with local spectrum users in the unlikely event interference occurs and it must immediately discontinue its operations.

Furthermore, the length of any given demonstration conducted under this experimental STA will be limited during the period requested by Motorola. Although Motorola has asked for an STA to cover the period February 17, 2009 through June12, 2009, it expects to operate the equipment only for limited periods of time on selected days in the Sterling area.

2. Effective Radiated Power

All power levels will comply with the limits set forth in the FCC's rules, including those relating to human exposure to radiation.

The mobile units to be deployed are configured with a 250 mW transmitter coupled through a 2 dB loss cable to an omnidirectional vehicular antenna with a maximum gain of 5 dBi. The base station facilities are configured with a 2 W transmitter coupled through a cable with a loss of as much as 3 dB to an omnidirectional antenna with a maximum gain of 16 dBi. The base stations will operate with a peak effective radiated power ("ERP") not greater than 20 W and the mobiles will operate with a peak ERP of 500 mW or less.

3. Modulation and Emissions

Motorola proposes to operate prototype 4G OFDM-based transmitters and utilize multicarrier QPSK and QAM modulations. The primary emission designator is 10M0W7D. Other emission modes may be utilized, but in no event will the emissions extend beyond the frequency bands requested.

4. Antenna Information

The fixed base station transmitter antennas at Sterling, Illinois will be located at a height not greater 76.2 meters above ground level and will not extend more than 6 meters above the height of an existing building. The mobile antennas will not, under any circumstances, extend more than 6 meters above ground. No antennas will be mounted in a fashion that will require approval under FAA and FCC rules and regulations.

D. Equipment To Be Used:

The radio equipment to be tested and demonstrated under this STA is relatively low power compared to typical public safety radio communications equipment. Therefore, each mobile base station has a relatively small range. To obtain accurate data regarding real-world operations, Motorola must employ a sufficient number of units during its studies to simulate actual usage. It expects that it will be able to complete its experimentation and demonstration with a base unit and five mobile units per test location. In other words, four low-power base stations and 20 mobiles reflect the maximum number of unapproved or unlicensed units that would be in operation at any given time under this authorization. Moreover, Motorola will limit the power, area of operation, and transmitting times to the minimum necessary to evaluate the equipment. As required, Motorola would seek separate and specific authority if more units were needed to conduct a particular experiment.

E. Restrictions on Operation:

No unapproved equipment will be offered for sale or lease, or will be sold or leased. No fees will be charged to entities using the equipment during this test. After the test is completed, Motorola will recall and recover all devices that do not comply with FCC regulations. If any different treatment becomes necessary during the course of its experimentation, Motorola will seek separate and additional authority from the agency.

Moreover, the transmissions are not intended for the general public, and the public will not be able to display or view the transmissions on conventional television receivers. As such, the demonstration will not involve “broadcasting” as defined in Section 3 of the Communications Act, 47 U.S.C. § 153(5). Instead, the test is designed to demonstrate prototype mobile devices intended to support the land radio communications needs of entities engaged in public safety and homeland security activities.

Motorola also recognizes that the operation of any equipment under experimental authority must not cause harmful interference to authorized facilities. Should interference occur, Motorola will take immediate steps to resolve the interference, including if necessary arranging for the discontinuance of operation.

In addition, Motorola will advise entities using the equipment that permission to operate has been granted under experimental authority issued to Motorola, that such operation is strictly temporary, and that the equipment may not cause harmful interference. In that regard, Motorola proposes to label the equipment or associated written information as follows:

FCC STATEMENT

Permission to operate this device has been granted under experimental authority issued by the Federal Communications Commission (FCC) to Motorola, Inc., is strictly temporary and may be cancelled at any time. Operation is subject to the condition that it not cause harmful interference. This device has not been authorized as required by the rules of the FCC. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained. Thus, the user does not hold a property right in the device and may be required to return the device.

F. Public Interest:

Motorola submits that issuance of an STA as requested is in the public interest, convenience, and necessity. Grant of an STA will permit Motorola to develop innovative equipment that will accommodate the communications needs of the public safety and homeland security community.

G. Contact Information:

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EXHIBIT B

SUPPLEMENTAL TECHNICAL INFORMATION

Locations:

Location No. 1:	Location No. 2:
Sterling (Whiteside), Illinois Fixed Base Station at North Latitude 41 deg 47' 18" West Longitude 89 deg 32' 04" Datum: NAD83	Sterling (Whiteside), Illinois Temporary Fixed Base Station within 10 km of North Latitude 41 deg 47' 18.0" West Longitude 89 deg 32' 04.0" Datum: NAD83

1. Television channel number(s):

   Channels 59, 60 and 61: 740-758 MHz
   Channels 64, 65 and 66: 770-788 MHz

2. Base state antenna location site elevation above mean sea level in meters:

   Location No. 1: 211.2 m
   Location No. 2: 211.2 (maximum)

3. Overall tower height above ground level/above average terrain in meters:

   Location No. 1: AGL: 76.2 m; HAAT: 70.4 m
   Location No. 2: AGL: 76.2 m; HAAT: 70.4 m (maximum)

4. Height of radiation center above ground level in meters:

   Location No. 1: 74.7 m
   Location No. 2: 74.7 m (maximum)

5. Maximum effective radiated power in kilowatts (Peak):

    Location No. 1: 0.0020 kW (fixed); 0.000500 kW (mobile)
    Location No. 2: 0.0020 kW (fixed); 0.000500 kW (mobile)

6. Transmitter output power in kilowatts:

    Location No. 1: 0.0002 kW (fixed); 0.000250 kW (mobile)
    Location No. 2: 0.0002 kW (fixed); 0.000250 kW (mobile)

7. Verify that the antenna is nondirectional (if directional, please report the directional antenna's relative field value at every 10 degrees from 0 through 350 degrees):

    Location No. 1: The antenna pattern at this location is omnidirectional.
    Location No. 2: The antenna patterns at these locations are omnidirectional

8. If the emissions are digital, then report the out-of-band emission mask (simple or stringent).

    Simple mask. The emissions designator is 10M0W7D.

9. If the emissions are analog, then report the frequency offset (zero, plus, minus or none).

    The emissions are digital.

Consistent with its practice in connection with similar requests for experimental authority, Motorola will obtain approval from the Society for Broadcast Engineers ("SBE") for its tests prior to commencing any operation.