

HARRIS CORPORATION
SPECIAL TEMPORARY AUTHORITY
EXPERIMENTAL APPLICATION
2.4 GHz LOS ANGELES AREA, CA

EMERGENCY REQUEST – CALIFORNIA WILDFIRES

DESCRIPTION OF EXPERIMENT

Response to Question 4:

Applicant is requesting **EMERGENCY** Special Temporary Authority (STA) to permit operation of the equipment specified in section 8 of this application. Harris is providing communications assistance to public safety entities battling the dangerous California wildfires to determine the extended capabilities of 802.11 wireless LAN devices for meeting the critical data needs of public safety entities.

Response to Question 5:

The technology being tested does not consist of commercial off-the-shelf (COTS) devices; rather, the devices being used are extremely experimental. The demonstration will include transmission of data that requires NSA Type 1 encryption. This level of protection is only available in the SecNet-11 card, which utilizes the 802.11-b technology/waveform operating in the 2.4 GHz band. To date, there are no COTS frequency converters that will handle this scenario. Encrypted frequency conversion is one of the areas included within the Harris study, and the study is in the very earliest stages of pre-development. The final system, once it has been fully developed, will be designed to operate on public safety frequencies. However, the manufacture and operation of encrypted frequency conversion devices for use on public safety frequencies is not available currently, and probably will not be available until several more years of testing and development are completed.

Response to Question 8:

	<u>Manufacturer</u>	<u>Model Number</u>	<u>No. of Units</u>	<u>Experimental?</u>
1.	Harris Corp.	SecNet11 Card	20	NO
2.	HyperAmp	(10 watt) HA2410	10	NO