

FCC Application for Experimental STA

File Number: 0478-EX-ST-2011

Exhibit 1: Request for Experimental STA

SRC respectfully requests to the Federal Communications Commission to grant us an Experimental Special Temporary Authorization (STA) for the operation of an AN/TPX-56 Identify Friend or Foe (IFF) for the purpose of providing identification of aircraft for a demonstration.

Request for Expedited Processing

Due to the start date of the demonstration (July 27, 2011), SRC respectfully asks the Commission for expedited processing of our application.

IFF Modes

IFF Modes to be used are presented in Exhibit 2.

FAA NGT Numbers

FAA NGT coordination information is presented in Exhibit 3.

Project Description

A project description is presented in Exhibit 4.

Government Contract Numbers

Government Contract information is presented in Exhibit 5.

Operating Location

The IFF will be operated at fixed locations within a radius of operation of 1 mile from the station latitude and longitudes listed in the table below.

The coordinates SRC will use is:

Site Name	Latitude	Longitude	Elevation (Ft AMSL)	Duration of operation
Black Butte	48°51'52"N	115° 07' 30" W	4050	24 Hours

Operating Schedule

SRC will operate the AN/TPX-56 IFF Up to 24 hours per day over the requested period of July 27, 2011 through September 2, 2011.

Interference Mitigation

SRC is aware that there are other services that utilize the spectrum in which our system is capable of operating. SRC understands that operation will be on a secondary non-interference basis. In the event interference complaints were to occur, SRC has taken preventative measures to cease and desist from transmission until they can be resolved. SRC has established a Cease Buzzer point of contact to quickly react with any interference complaints that are the result of our system. The point of contact for the SRC Cease Buzzer is:

Point of Contact	Telephone Number
Cease Buzzer	315-416-1687 (24 Hours)