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## FCC Application for Experimental License STA

File Number: #####-EX-PL-2016

### Exhibit 1: Information on Experiment

#### Purpose of Experiment

This application is submitted on behalf of the Massachusetts Port Authority (hereafter Massport) which respectfully requests that the Federal Communications Commission to grant us an Experimental License for the operation of one BSTAR Radar. The purpose of the request is for conducting proof-of-concept avian detection at Boston Logan International Airport.

The operation of the BSTAR Radar has been pre-coordinated by the FAA.

The period of time Massport will be requesting our Experimental License is two years over the period of January 1, 2016 through 30 April 2018. The radar will be operated 24 hours per day throughout the license period.

#### Operating Location

The BSTAR radar will be operated from a tripod 20 ft. above ground level 40 ft AMSL (Total AMSL=64 ft). The coordinates Massport will use are:

Location	Latitude	Longitude	Elevation (Above mean Sea Level)	Radius of Operation
Boston Logan International Airport, MA	42°21'08"N	71°00'19"W	44 ft.	1 km

#### Operating Schedule

Massport will operate the BSTAR Radar on the following schedule over the period of the Experimental License grant:

Schedule	Operations
Hours per day	up to 24 hours per day

#### Cease Buzzer for Experiment

Massport understands that operation will be on a secondary non-interference basis. In the event interference complaints were to occur, Massport has taken preventative measures to cease and desist from transmission until they can be resolved. Massport 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 Massport Cease Buzzer is:

Point of Contact	Telephone Number
Cease Buzzer	617-561-1935