

Global Navigation Satellite Landing System, BETA LAAS

**The Boeing Company
Seattle, WA**

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by

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Why an Experimental License is Necessary

An experimental license is required to support operation of a Beta SCAT-I LAAS at the Grant County International Airport, Moses Lake, WA.

Purpose of Operation

The purpose of this license is to support operation of a Beta SCAT-I LAAS at the Grant County International Airport, Moses Lake, WA.

Test Description

The Boeing Company intends to employ a Beta SCAT-I LAAS in support of aircraft flight testing and evaluation. The system would operated at the Grant County International Airfield, Moses Lake, WA, and would be used for flight testing, system evaluation and systems development. The LAAS uses differential GPS to establish approach definitions and corrections for as many as 48 programmable runway approach profiles. The SCAT-I LAAS provides several advantages over the traditional ILS system, greatly improving accuracy and dependability of instrumented approach technology. System accuracy supports Category I weather minimums, and provides capability for automatic landing using dual channel autopilot.

Frequencies, Power and Emission

Frequency	Emission	Peak RF Power (ERP)	Remarks
112 – 118 MHz	14K0G7D	50 Watts	Single Channel as assigned by the FAA

Required Dates

This experimental license will be required beginning in November 2007, and will be needed for a 2 year period.

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Location

(1) Grant County International Airport, Moses Lake, WA
Coordinates: 47-13-28 N 119-20-07 W NAD83

FAA Coordination

In Progress.