

Technical Description

The Boeing Company

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by

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The Boeing Company

Frequency Management Services MC: 2T-22

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JUSTIFICATION:

Direct Commercial Sales (DCS) Contract with India for P-8I Development and Testing under CONTRACT NO: 171/DAA/C/08-09LRMRASW/AIRCRAFT (08)

These frequencies are requested to support Boeing P-8I aircraft production and testing. The P-8I is a long-range anti-submarine warfare, anti-surface warfare, intelligence, surveillance and reconnaissance aircraft capable of broad-area, maritime and littoral operations. The P-8I is a variant of the P-8A Poseidon that Boeing is developing for the U.S. Navy. This is a military derivative of the Next-Generation 737-800. Boeing is building the P-8I at its production facility in Renton, Washington and has a Direct Commercial Sale agreement with India.

OBJECTIVE & TEST DESCRIPTION

This requirement supports the India IFF Interrogator EMC testing under the current contract. The requested timeframe below allows for schedule adjustments.

TEST OVERVIEW

Start Date: January 21, 2013

Stop Date: July 20, 2013

Manufacturer: Bharat Electronics Limited (BEL)

Frequency: 1030 MHz

Emission: 14M0M1D (Modes 1, 2, 3/A, C)

Pulse Repetition Frequency: 200 ± 0.01 Hz

Antenna Type: 10 element cavity-fed slot

Antenna Polarization: Horizontal

Antenna Gain: 13 dBi

ERP: 18.8 kW (peak)

Station Class: FX

STOP BUZZER POINTS OF CONTACT:

Primary: Tyler S. Wilson at phone number (206) 618-1740

Secondary: Troy F. Kindall at phone number (206) 962-9406

LOCATION

Ground tests will be conducted on Boeing Field

Location: Boeing Field (Fixed Location)

Latitude: 47-30-58 N

Longitude: 122-17-43 W