-----Original Message-----
From: OET Generic account [mailto:oetech@fccsun34w.fcc.gov]
Sent: Thursday, December 02, 2004 8:05 AM
To: jharris@drs-tcs.com
Subject: FCC File # 0705-EX-ST-2004 [Reference Number: 3313]

Dear Mr. Jimmy Harris:

- What is the pulse width? **0.8 microseconds**

- What is the pulse repetition rate and associated characteristics (staggered, jittered, fixed) if transmitting 1030 MHz? **Fixed - 663 PRF and 442 PRF**

- If this is airborne--what is the max altitude that DRS wants to fly? **Unit is ground based**

- Is the antenna omni-directional? **No** If not, please indicate whether DRS is capable of blanking transmissions in certain azimuths and any limitations with respect to blanking. **Yes – We have blanking transmission capabilities.**

- Does DRS want to interrogate (transmit) on 1030 MHz as well as 1090 MHz--airborne transponders typically only transmit on 1090 MHz and receive on 1030 MHz--? **We want to Transmit on 1030 MHz ; Receive on 1090 MHz**

- If DRS will be transmitting on 1030 MHz, what modes of operation does DRS want to operate in (Modes 1, 2, 3A, 3C, 4, 5, Mode-S)? **Modes 2, 3A, 3C** Is this a TCAS and that is all that the 1030 MHz transmissions are needed for? **No** Airborne Mode 4 and/or 5 operations will be very difficult if not impossible to get authorization for and airborne Mode-S is not authorized. **Modes 4 and/or 5 will not be used.**

- Who is this product going to be sold to? **Italian Air Force / Government** Is this confined to overseas customers or US customers? **Overseas Customer**

- Does the waveform meet all of the required ICAO Annex 10 requirements and appropriate RTCA Document? **This unit (AN/TPX-56 IFF Interrogator Set) was developed by Raytheon. The TPX-56 does not support Mode S. However, it does support Mark X IFF in accordance with US DoD-AIMS 97-1000. It is designed IAW STANAG-4193; U.S. DoD 97-1000 certified; AIMS Certified; and meet specifications: U.S. DoD-AIMS97-900D and MIL-E-5400**

- If this is for a long-term testing program, why is this an application for a temporary license? What is the real time requirement? **This is not a long-term project relative to the time we need authorization to transmit into air space. Our delivery date is August 2005. IFF is a subsystem to the larger overall design of the Remote Threat Emitter Simulator design for the Italian Air Force. We need license during the period required to integrate and test and to assist in developing target-processing software.**

Confirmation Number: EL570738
jkennedy@fcc.gov
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The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of 12/02/2004 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

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