Please answer the following questions as soon as possible pertaining to this application:

1. What is the pulse repetition rate and associated characteristics (staggered, jittered, fixed?) if transmitting 1030 MHz.?
See question #2 from our previous FCC submittal.

2. If this is airborne--what is the max altitude they want to fly?
Yes, this is an airborne system. See question #1 from our previous FCC submittal.

3. Is the antenna omni-directional--please confirm.
All AIFF antennas on the F-16 Block 60 aircraft are fixed to the airframe, i.e., no physical rotation. The 1030 MHz forward fuselage mounted array interrogator antennas are directional and cover an area +/- 60 degrees elevation and +/- 60 degrees in azimuth in front of the aircraft. The lower interrogator antenna is receive only. Both the upper and lower transponder antennas are omni-directional. See question #5 from our previous FCC submittal.

4. Do they 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
Yes, this system is capable of interrogating on 1030MHz and replying on 1090MHz. Mode 5 will not be used. See question #4 from our previous FCC submittal for a list of the modes of operation.

5. If they are transmitting on 1030 MHz, what modes of operation do they want to operate in (Modes 1, 2, 3A, 3C, 4, 5, Mode-S ?) Is this a TCAS and that is all that the 1030 MHz transmissions are needed for? 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.
This system is capable of interrogating on 1030MHz and replying on 1090MHz. This system does not have TCAS operation. Mode 5 will not be used. Mode 4 operations will be very limited due to the limited availability of the Mode 4 crypto computer. The system is not capable of performing Mode S interrogations and provides only Mode S level 1 transponder operation. See question #4 from our previous FCC submittal for a list of the modes of operation.

6. Who is this product going to be sold to? Is this confined to overseas customers or US customers?

7. Does the waveform meet all of the required ICAO Annex 10 requirements and appropriate RTCA Document?
See question #4 from our previous FCC submittal for a list of the modes of operation. The system meets all of the applicable ICAO Annex 10 and applicable RTCA/DO-181B requirements for transponder operation of Modes 3/A, C, and S.

8. If this is for a long term testing program, why are they only asking for a temporary license? What is the real time requirement?
This is a long term program. We are currently requesting STA's to cover operations until the applications we filed earlier this year are approved. This program is for the UAE acquisition of F-16's approved by the United States Department of State as a commercial contract, instead of the usual DoD

sponsored and supported contract. The State Department, working with the government of United Arab Emerites, granted the sale as a commercial sale, due to the political climate in the Middle East.