Exhibit 2

Operating Interrogation Rates

The equipment for which this application is made utilizes a dynamic Pulse Repetition Frequency (PRF) management scheme that adjusts the interrogation rate depending on interrogation modes, interrogation interlace, and antenna speed.

The Telephonics PRF stagger algorithm uses a 256 step stagger table array configured as a stagger matrix of 16 columns of 16 rows. When Column 16 is reached for a given row, the pseudo random counter is activated again to select another row and the sequence continues. The range of PRI offset values are from 0 to 255 decimal, which corresponds to a stagger range from 0 us to 92.4375 us. The matrix values are software downloadable and are designed not only to operate in the surveillance volume of other military and civil interrogator systems without mutual interference but also to support multiple like systems (e.g. several interrogators operating within the same surveillance volume) or other Military mobile or shipboard systems operating in the same surveillance volume.

The combination of the Telephonics RPF stagger algorithm of a pseudorandom operation coupled with a set stagger sequence mitigates the problems associated with pseudorandom only stagger algorithms or with fixed set stagger algorithms. The Telephonics PRF stagger algorithm has been rigorously tested through flight testing and by independent adjacent site performance evaluations made by the FAA technical center and by Eurocontrol in live demonstrations with our AWACS AN/UPX-40 interrogator system and others. The result of the US and European testing was that no interference to ATC systems was detected. These results were provided at the 2010 DoD AIMS Conference in Orlando, Florida.

The Telephonics Interrogation Management stagger algorithm is software controlled, provides dynamic allocation of interrogation rates and staggers, and is table driven to be very flexible. The Telephonics Interrogation Management stagger algorithm was specifically designed to address FAA/DoD AIMS concerns and in conjunction, provides a robust stagger capability that meets or exceeds all system requirements.