Exhibit I

Security Classification – Unclassified
Frequency – 14.40 – 14.83 GHz (Return Link) and 15.15 – 15.35 GHz (Forward Link)
Intended Usage – Tower Installation pointed down to ground terminal 200 m range.
Transmitter Equipment – Cubic Defense Tactical Common Data Link (TCDL) – TCDLADT, TCDLGDT
Emission – OQPSK
Emission BW – Forward Link – 100Mhz Return Link – 60Mhz – Supplied by Equipment Vendor
Transmitter Power – 4W at output stage of transmitter, 4mW at Output of Antenna
Transmitter Location – Radar Tower 560 Sandlake Road Orlando, FL 32819
Transmitter Coordinates – Lat: 28°26'24" N. Long: 081°27'27" W

Number of Equipment – 1 Transmitter TCDL-ADT

Transmitter Antenna – Antenna will be pointed down and input will be attenuated such that output does not exceed 4mW

- **Type** – Parabolic
- **Gain** – 34dB
- **Bean width at half power point** – 1.2°
- **Elevation** – 62 m AMSL
- **Feed point** – N/A Feed point and transmitter at same level
- **Orientation** – 360° Azimuth
- **Polarization** – RHCP

Receiver Location – Radar Tower Parking lot – 5600 Sanlake Road, Orlando, FL 32819
Receiver Coordinates – Lat: 28°26'39" N. Long: 081°27'18" W.
Receiver Equipment – 1 receiver TCDL-GDT
Required Dates of Use – Various Dates Through 04/01/2004

Description of Requirement –
This is to support the development of the Tactical Common Data Link for use in the Apache Helicopter. The purpose is to establish a simulated air to ground data link using a tower mounted tranmitter.

Requester Data –
Alex Sheppard – Principal Investigator IRAD04D – Lockheed Martin Missiles and Fire control – Orlando, FL 32819 (407) 356-7470

Alex.sheppard@lmco.com