



## Introduction to Link 22 – Course Content

**Duration - 2 days**

### **Lesson 1 – Introduction**

- History
- The Requirement for Link 22
- Link 22 Specifications
- Frequency Bands
- Frequency Hopping

### **Lesson 2 – TDMA**

- Net Cycle Structure
- Net Cycle Time
- Time Division Multiple Access
- Dynamic TDMA
- Mini Slots
- Interrupt Slot
- Time of Day

### **Lesson 3 – Link 22 Networks**

- Super Networks
- Network Nodes
- Sub Network/Partial and Total Overlap
- Mission Area Sub Networks (MASN)
- Network Exchange
- Addressing Techniques

### **Lesson 4 – Operational Modes**

- Levels of Operation
- Modes of Operation
- Network Duties
- Network Initiation
- Late Network Entry



- Network Shutdown

### Lesson 5 – Link 22 Messages

- J Series Family
- Message Format
- F Series
- FJ Series
- Transmission Opportunities
- Reception Reliability
- Perishability
- Receipt/Compliance
- Priority Interrupt

### Lesson 6 – Track Exchange

- Track Numbering
- Message Prioritisation
- Track Update Rates
- Track Quality
- Reporting Responsibility
- Correlation
- Filters

### Lesson 7 – Functional Areas

- Participant Location and Identification (PLI)
- Surveillance
- Information Management
- Electronic Warfare
- Intelligence
- Threat Warning
- Platform and System Status
- Weapons Coordination and Management

### Lesson 8 – Weapons Coordination and Status Reporting

- Weapons Coordination Messages
- Status Reporting Messages
- Engagement Status Reports





- Controlling Unit Reports
- Pairing Reports

### Lesson 9 – Hardware

- Data Link Processor
- Sub Network Controller
- Human Machine Interface
- Network Security Segment
- Radios

### Lesson 10 – Data Forwarding and Interoperability

- Definitions
- Forwarding Rules
- Management
- Link 22 to Link 16
- Link 22 to Link 11
- Minimum Implementation

### Lesson 11 – Network Management

- Management functions associated with:
- Supernetwork
- Networks
- Individual NUs
- Directory Maintenance
- Flow Control
- Congestion Assessment

