

LINK-22 ADVANCED WORKSHOP 25-26 MAY 2017

Introduction

1. The Australian Defence Force Tactical Datalink Authority (ADFTA) in conjunction with the International Data Link Society Australia/New Zealand (IDLS AS/NZ) Chapter is holding a Link-22 Advanced Workshop at Majura Theatre, Majura Park Canberra Airport from 0900 h to 1700 h on the 25th and 26th of May 2017.

Content

2. Link-22, or the NATO Improved Link Eleven (NILE), is a persistent secure, reliable, Electronic Counter Measures (ECM) resistant medium speed radio system that provides Beyond Line-of-sight tactical information exchange communications.
3. Link-22 was developed to replace and overcome the known deficiencies of Link-11, support interoperability in a multi-Link environment, and designed to complement and interoperate easily with Link 16 to enhance war-fighting capabilities.
4. This Two Day Advanced Workshop aims to provide theoretical knowledge of the main aspects of Link-22, and will cover:
 - a. An overview of the Link-22 theory of operations, planning, operations management and tactical messaging;
 - b. details of the tactical messaging and media standards;
 - c. An overview of a typical Link-22 system architecture, and the interfaces;
 - d. Communications Protocols
 - e. Super network Architecture
 - f. Link-22 features, including media, Network Packets, fragmentation rates, minislots, waveforms, Error Correction, Time Division Multiple Access protocol, net cycle structure, distributed protocols, net cycle time, late net entry and automated congestion management
 - g. Link-22 documentation
 - h. integration and interoperability issues;
 - i. summary of the Working Group Forums; and
 - j. planning/development considerations.
5. All topics will be delivered at the Unclassified Level.

Speakers

6. Mr Fabio Ciampa, of Leonardo S.p.A, will present at the Link-22 Advanced Workshop. Fabio is the current Multi Tactical Data Link (M-DLP) Project Engineering Manager supporting the ADFTA Link-22 trial and the Finnish Navy Link-22 programmes. Fabio has had extensive involvement with the Italian Link-22 programme (FREMM Frigate, Horizon Destroyer, Cavour Aircraft Carrier and Helicopters) primarily associated with system integration and in-service field engineering support. Fabio regularly assists his customers in areas ranging from TDL specifications, protocols, integration and configuration management.
7. Mr Fabrizio Filatro, of Leonardo S.p.A, will assist in the delivery of the Link-22 Advanced Workshop. Fabrizio is System Engineer, with recent experience integrating TDL systems and training course leader for the Italian Navy and international customers. Fabrizio has had extensive experience in the design and development for the M-DLP Human Common Interface; TDL messaging standards and protocols, and life cycle software production.

Who Should Attend

6. This Workshop is open to participants from Defence as well as a limited number of IDLSoc Australian Defence Industry members (notified through IDLSoc communiqués) that require a deeper level of understanding of Link-22.
7. Attendance is limited to 60 Defence attendees.

Course Cost

8. There is no cost for course attendance; however, travel costs will be your own responsibility. Morning tea, lunch and afternoon tea will be provided.