EO 001.02 - Analyze Link 16

001.02.02 - Describe the Link 16 Waveform

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| **Conditions** | | | | **Sequence** |
| Classroom with workstations and projector | | | | Follows LO 001.02.01 |
| **Time** | | **Classification** | | **Instructor** |
| 100 Mins (2 x 50 mins) | | Unclassified | | TDL 300 Qualified Instructor |
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| **Learning Objectives** | | | | **Method** |
| 1) Describe basic principles of Link 16 to include Packing Structures, TDMA, Stacked and Multi-Netting, Frequency Hopping of Legacy Link 16.  2) Explain Enhanced Throughput  3) Explain Concurrent Multi-Netting  4) Explain Concurrent Contention Receive  5) Explain Frequency Remapping | | | | * Reading Assignment * Table Topics * Interactive Lecture * Practical Activity – Essence summary exercise * Best Summary |
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| **Scenario** | Link 16 has various functions that have been developed and will be coming online soon to modernize operations. As a Multi-link Operations Specialist, you may be working with a variety of different modernization principles. | | | |
| **Activity**  **Steps** | **Introduction -**   1. The Trainee will review the handout that describes the various packing structures, principles of TDMA, Stacked Nets and Multi-Net Operations, Dedicate and Contention Access, Time Slot Reuse and frequency hopping of Link 16. This is a review of TDL100 material and will be necessary to for comprehension of the modernization points.   **Activity -**   1. Instructor will facilitate a Table Topics discussion as a review of the reading activity to validate comprehension. 2. The Instructor will use Interactive Lecture to explain the following topics:    1. Enhanced Throughput (ET)    2. Concurrent Multi-netting (CMN)    3. Concurrent Contention Receive (CCR)    4. Frequency remapping 3. The Instructor will utilize the Essence summary for the trainee to concisely describe each of the TP topics and gradually streamlining to the key point they chose as most relevant.   **Conclusion -**   1. The lesson will be concluded after each trainee presents their LO Essences and as a class, selects the best concise summary statement for each point. | | | |
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| **Resources** | | | **References** | |
| 1)PowerPoint  2) Workbook  3) Paper | | | 1) Understanding Link 16 manual  2) CJCSM 6520  3) JROCM 001-17  4) AIT Manual | |
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| **Notes to Instructor** | | | | |
| Refer to AIT Manual for how to conduct a Table Topics and Essence summary. | | | | |