EO 001.02 - Analyze Link 16

001.02.01 - Decode Link 16 Messages

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| **Conditions** | | | | **Sequence** |
| Classroom with workstations and projector | | | | Follows EO 001.01 |
| **Time** | | **Classification** | | **Instructor** |
| 2 x 50 mins | | Unclassified | | TDL 300 Qualified Instructor |
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| **Learning Objectives** | | | | **Method** |
| 1) Describe J-Series Messages to include:   * Initial, Extension and Continuation words * Common Messages * Network Participation Groups (NPGs)   2) Outline Identity and Amplification Capabilities of Link 16  3) Examine MIL STD 6016/STANAG 5516 in relation to Link 16 principles | | | | * Reading Assignment * Interactive Lecture * Practical Activity – Team Quiz |
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| **Scenario** | As a Multi-Link Operations Specialist, you will be responsible for validating message exchange and data validation. The ability to recognize the way data is exchanged across Link 16 will be practically applied in upcoming PO 004 when using CINEMA. | | | |
| **Activity**  **Steps** | **Introduction -**   1. Instructor will explain the process to be used in the Link 16 EOs: “Throughout this course we will be talking about all the various components of Link 16. When referring to Link16, it encompasses the software, hardware, RF equipment and the waveforms of Link 16. For the ease of instruction, this material will be spread over various Learning Objectives, Enabling Objectives and Performance Objectives to help solidify the theory of Link 16 and how the Canadian Armed Forces uses it within Multi-Link Operations.” 2. Reading Assignment – Trainee will review the J-Series handout and refer to it during the lesson.   **Activity -**   1. The Instructor will deliver an Interactive Lecture on the following topics:    1. TIMS and FIMS;    2. J-Series message sets – 32 Categories; 8 sub-categories; naming conventions JX.X;    3. Initial, Extension, and Continuation Words    4. Common Carrier Messages;    5. Target Sorting Messages;    6. Air Platform and System Status Messages;    7. comparison between Link 11 Messages from EO 001.01    8. Initial, Extension and Continuation words    9. NPG Categories and sub-categories    10. Introduction of MilStd and STANAGs applicable to Link 16. 2. The Trainees will independently complete the workbook assignment and compare answers with a partner.   **Conclusion -**   1. The Instructor will confirm the learning objectives of this lesson and reading assignment by facilitating a Team quiz “Jeopardy style”; provide details from above LOs and team buzz-in with “What is” response. | | | |
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| **Resources** | | | **References** | |
| 1) PowerPoint  2) Workbook  3) Handout – J-Series Message table  4) Jeopardy electronic board (ppt game on big screen)  5) Buzzer for each team | | | 1) MIL STD 6016  2) STANAG 5516  3) STANAG 5616  4) Understanding Link 16  5) AIT Manual | |
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| **Notes to Instructor**  Refer to AIT Manual for how to conduct a best summary. | | | | |
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