EO 001.02 - Analyze Link 16

001.02.05 - Define the Link 16 Deconfliction Process

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| **Conditions** | | | | **Sequence** |
| Classroom with workstations and projector | | | | Follows LO 001.02.04 |
| **Time** | | **Classification** | | **Instructor** |
| 50 min | | Unclassified | | TDL 300 Qualified Instructor |
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| **Learning Objectives** | | | | **Method** |
| 1) Describe Clearance to Radiate authority   * NAVCAN and DFSM   2) Describe Clearance to Operate requirements   * OpTASKLINK inclusion, crypto   3) Describe Time Slot Duty Factor guidance   * Basic principle and max authorized without waiver   4) Describe the Deconfliction Server role in Link 16 Operations | | | | * Reading Assignment * Interactive Lecture * Practical Activity – Confirmation Questions * Best Summary |
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| **Scenario** | Link 16 operates in the same frequency band as Air Navagation (IFF, DME/TACAN). Although safeguards (Notch Filters over 1030 and 1090 MHz) are in place, operations of Link 16 in most countries are strictly monitored and require pre-authorization. Knowing the levels of authorization is important to the Multi-Link Operations Specialist to ensure compliance. | | | |
| **Activity**  **Steps** | **Introduction -**   1. Instructor will ask Trainee this Icebreaker question –    1. What authorities are required to operate Link 16 and why are they important;    2. What safeguards are in place to ensure Link 16 doesn’t cause interference?   **Activity -**   1. Reading Assignment – Trainees will read the handouts reviewing topics from TDL100 including pulses, timeslots, frequency hopping. 2. Instructor will present and Interactive Lecture to discuss the following LOs:    1. Clearance to Radiate    2. Clearance to Operate    3. TSDF formula and waiver requirements    4. Deconfliction Server Application 3. Instructor will facilitate Confirmation questions with the trainees   **Conclusion -**   1. The Instructor will conclude the lesson with a trainee led best summary on each of the learning objectives. | | | |
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| **Resources** | | | **References** | |
| 1) PowerPoint  2) Workbook | | | 1) A100 – Industry Canada L16  2) CJOC Stop L16 Directive  3) RCAF TDL CONEMP  4) RCN or Joint TDL CONOP  5) AIT Manual | |
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| **Notes to Instructor** | | | | |
| Refer to AIT Manual for how to conduct a best summary. | | | | |