

WARRANT OFFICER ADVANCE COURSE

COURSE INFORMATION:

Course Title: Network Management Technician, Warrant Officer Basic Course (WOAC)

Course Number: 4C-255N Phase 1 and 2 and 4C-255N Phase 0 and 3

Company: Charlie Company

College: Leader College for Network Operations (LCNO)

Division: Information Dissemination Management Division (IDMD)

Status Change Date: November 2013

Training site: USASCoE&FG, Fort Gordon, GA

Length: 13 Weeks (Phase 1 – 272 hours, Phase 2 – 208 hours, Phase 3 – 216 hours)

Managed: Army Training Requirements and Resources System (ATRRS)

Prerequisites: None

COURSE OVERVIEW:

442nd Signal Battalion - WOBC 255N

Last Updated: 30 March 2016

What is a 255N? The Network Management Technician (255N) supervises and manages the operation of information networks. They also serves as technical and tactical advisor for network operations and signal systems at any echelon of command or support activity of the US Army or Joint Staff Sections assigned to Theater or allied armies; provides leadership, guidance, technical input, and direction to subordinate elements, staff agencies and field commanders up to and including theater Army level; manages the assignment of Signal Regiment warrant officers world-wide; provides coordination between military and industry during development, testing, and fielding of new information technology equipment; develops policy and provides guidance for management of theater information networks; serves as technical liaison providing technical guidance and policy advice to Joint, intergovernmental, interagency, and multinational partners.

PURPOSE:

To prepare qualified Warrant Officers in the rank of WO1 to CW3 in the Warrant Officer Designation of 255N, for the technically demanding assignments that require expertise in the engineering, installation, operation, and maintenance (EIOM) of robust voice and data networks as well as the troubleshooting of various long haul transmission systems providing reach back for their units and its customers.

COURSE SCOPE:

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This course provides instruction and practical exercises in Networking Fundamentals, Routing Protocols and Concepts, Local Area Network (LAN) Switching, Wireless Networks, Internetworking, Multiplexing; Voice over Internet Protocol (VoIP); Intrusion Prevention System (IPS)/Intrusion Detection System (IDS); Firewall Implementation; Certified Information System Security Professional (CISSP); Traffic Shaping/Quality of Service/Multicast/Multi-Protocol Labeling Switch (MPLS); Circuit Switched Networks; Combat Net Radio (CNR); Transmission/Spectrum/On-the-Move Planning; Battle Command Systems; Network Management; and Warfighter Information Network-Tactical (WIN-T). This course also provides training on DCG-IMT WOBC common core tasks. An enhanced CAPSTONE training event simulating real-world operations will be conducted at academic course completion to evaluate student's ability to perform MOS skill level critical tasks in a field training environment.

COURSE STRUCTURE:

1. This course is structured in phases, modules and lessons as provided.
2. Narrative Description: The course structure graphic shows that this 3 phased course consists of multiple modules. Each module consists of lessons.
3. The course is COTS intensive and reflects the most current information technology, communications equipment, software, hardware, ADP, and methods of data networking, security and information assurance management procedures currently employed within operational units.
4. A listing of all lessons by phases and modules.

MODULES:

Module A: Administrative

- Module B: DCG IMT Common Core** (Phase 1 - 32 hrs)
- Module C: Network Fundamentals** (Phase 1 - 64 hrs)
- Module D: Routing Protocols** (Phase 1 - 64 hrs)
- Module E: Scaling Networks** (Phase 1 - 64 hrs)
- Module F: Wide Area Networking** (Phase 1 - 64 hrs)
- Module G: Internetworking Case Study** (Phase 1 - 32 hrs)

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Module H: VoIP *(Phase 2 - 104 hrs)*
Module I: Secure a Network *(Phase 2 - 72 hrs)*
Module J: CISSP *(Phase 2 - 72 hrs)*
Module K: Traffic Shaping *(Phase 2 - 32 hrs)*
Module L: Communications Exercise *(Phase 2 - 16 hrs)*
Module M: Circuit Switched Networks *(Phase 3 - 24 hrs)*
Module N: Combat Net Radio (CNR) *(Phase 3 - 32 hrs)*
Module O: Transmission *(Phase 3 - 37 hrs)*
Module P: Server/Battle Command Systems *(Phase 3 - 24 hrs)*
Module Q: Network Management *(Phase 3 - 48 hrs)*
Module R: WIN-T/JNN *(Phase 3 - 88 hrs)*
Module S: CAPSTONE Exercise *(Phase 3 - 32 hrs)*

For website updates, contact:

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