

GUIDE TO THE EVALUATION OF EDUCATIONAL EXPERIENCES IN THE ARMED SERVICES

OCCUPATION EXHIBIT

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MOS-25U-002

SIGNAL SUPPORT SYSTEMS SPECIALIST

25U30

25U40

Exhibit Dates: 7/14–Present.

Description

Summary: The Signal Support Systems Specialist supervises, installs, employs, maintains, troubleshoots and assists users with battlefield signal support systems, terminal devices, satellite communications equipment and automated telecommunications computer systems, to include local area networks, wide area networks and routers; integrates signal systems and networks; performs unit level maintenance on authorized signal equipment and associated electronic devices; trains and provides technical assistance to users of signal equipment; and operates and performs preventive maintenance checks and services (PMCS) on assigned vehicles and power generators. **Skill Level 30:** The Signal Support Systems Specialist plans, supervises and integrates the installation, operation and maintenance of signal support systems, to include radio, wire, cable and battlefield automated systems; plans and provides unit level training for automated telecommunications systems, to include local area networks, wide area networks and routers; signal communications and support electronic equipment; and satellite radio communications equipment; assist in staff supervision of information services; plans, supervises and executes unit level maintenance programs for signal equipment; prepares and integrates signal operations orders and reports; and requests maintenance and supply replenishment for signal support operations. **Skill Level 40:** Able to perform the duties required for Skill Level 30; the Signal Support Systems Specialist supervises, plans and executes the installation, operation and maintenance of signal support systems, to include local area networks, wide area networks and routers; satellite radio communications and electronic support systems; and network integration using radio, wire and battlefield automated systems (BAS); develops and implements unit level signal maintenance programs; directs unit signal training and provides technical advice and assistance to commanders; develops and executes information services policies and procedures for supported organizations; coordinates external signal support mission requirements; prepares and implements Signal operations orders and reports; and plans and requests Signal logistics support for unit level operations and maintenance.

Related Competencies

Communications topics include audience analysis, briefings, oral communication techniques, presentation skills, research, technical writing, and written communication skills. **Supervision** topics include coaching, mentoring, problem solving, scheduling, staffing, supervisory reports, time management, and training. **Networking fundamentals** topics include cabling, fiber, IP addressing, local area network (LAN), terminators, troubleshooting, and Variable Length Subnetting (VLSM). **Switching and switching protocols** topics include IP configuration, mac address tables, port security, port sticky, spanning tree protocol (STP), troubleshooting, and upgrade IOS. **Routing and routing protocols** topics include Border Gateway Protocol (BGP), dynamic host configuration protocol (DHCP), firewalls, IP configurations, open shortest path first (OSPF), OSPF authentication, and routing tables. **Wide area network (WAN) technologies** topics include access control lists, dynamic host configuration protocol (DHCP), frame relay, network security procedures, network troubleshooting, point to multipoint, PPP, tunneling, and virtual private network (VPN). **Server administration** topics include active directory, DHCP protocols, domain name system (DNS), encryption keys, exchange server, IP routing, and virtual local area networks (VLANs). **Satellite communications** topics include antenna systems, communications security (COMSEC), equipment maintenance, equipment operations, radio terminals, satellite communications (SATCOM), and satellite equipment installation and maintenance. **Management** topics include controlling, diversity, EEOC, interpersonal skills, leading, organizing, personnel management, and planning. **Project management** topics include budget forecasting, human needs assessment, management, milestone tracking, risk analysis, status reporting, SWOT analysis, and workload management. **Applied leadership** topics include communication, conflict resolution, decision-making, ethics, mission analysis, problem solving, and resource management.

Recommendation, Skill Level 30

In the lower-division baccalaureate/associate degree category, 3 semester hours in communications, 3 in supervision, 3 in networking fundamentals, 3 in switching and switching protocols, 3 in routing and routing protocols, 3 in wide area network (WAN) technologies, 3 in server administration, and 3 in satellite communications. In the upper-division baccalaureate degree category, 3 semester hours in applied leadership (7/14)(7/14).

Recommendation, Skill Level 40

In the lower-division baccalaureate/associate degree category, 3 semester hours in communications, 3 in supervision, 3 in networking fundamentals, 3 in switching and switching protocols, 3 in routing and routing protocols, 3 in wide area network (WAN) technologies, 3 in server administration, and 3 in satellite communications. In the upper-division baccalaureate degree category, 3 semester hours in management, 3 in project management, and 3 in applied leadership (7/14)(7/14).

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ACE occupation reviews are conducted by faculty currently teaching at appropriately accredited colleges and universities. Faculty teams analyze the official occupation standards and validate the duties and requirements through service member interviews to determine if the content, scope, and rigor of the experiential learning align to current postsecondary curricula. A minimum of 3 faculty evaluators must achieve consensus on credit recommendations. Please see [Faculty Evaluators - Home Page](#) for more information.

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