

## Professional Development Model for MOS 33W Military Intelligence Systems Maintainer/Integrator

| Block A:<br>Rank   | PVT-SPC<br>Skill Level 10  | SGT<br>Skill Level 20 | SSG<br>Skill Level 30   | SFC<br>Skill Level 40   | MSG<br>Skill Level 50   | SGM<br>Skill Level 50   |  |
|--|--|-----------------------|---|---|---|---|--|
| <b>Block B:</b><br><br><b>Developmental Duty Assignments</b><br>(See note 1)   | Systems Repairer (ECB/EAC)   |                       | Squad Leader<br><br>Small Group Leader  | Sr Systems Repairer Detachment Sergeant<br>Platoon Sergeant<br>Career Advisor/<br>Professional Dev NCO<br>Sr Small Group Leader | Ch Systems Repairer First Sergeant<br>Sr Career Mgt NCO<br>Sr Career Advisor/<br>Professional Dev NCO<br>Branch Chief<br>Deputy Commandant<br>Ch Instructor/Writer<br>Ch Tng Dev/Writer | Repairer Supervisor<br>Bn/Bde CSM<br>Bde/Gp S3 SGM  |  |
| <b>Block C:</b><br><b>Institutional Training</b>   | BCT/AIT  | PLDC                  | BNCOC   | ANCOC   |   | Sergeants Major Academy   |  |
| <b>Block D:</b><br><b>Recommended NCOES-Related Courses</b><br>(See note 2)<br><br><b>Recommended Functional Courses</b> | <b>Prior to PLDC</b><br>Effective Writing<br>English Grammar<br>Basic Computer Skills  |                       | <b>Prior to BNCOC</b><br>Communications Skills<br>Stress Management<br>Briefing Techniques<br>Technical Writing<br>Research Techniques<br>Public Speaking |   | <b>Prior to ANCOC</b><br>Principles of Management<br>Organizational Behavior<br>Problem Solving   |   | <b>Prior to SMC</b><br>Human Resource Management |
| <b>Block E:</b><br><br><b>Recommended MOS-Related Courses/ Training</b><br>(See note 3)                                  | <b>Skill Level 10-20</b><br>1. Basic Electricity and Electronics<br>2. Digital Circuits<br>3. Precision Soldering<br>4. Computer Security<br>5. IEW Operations   |                       | <b>Skill Level 30</b><br>6. Depot Maint Ops<br>7. R&D<br>8. SUN Maint<br>9. Spectrum RISC/Unix Maint  |   | <b>Skill Level 40</b><br>Unit Level Maint Mgt<br>Army Doctrine  | <b>Skill Level 50</b><br>Depot and EAC Maint Mgt<br>Information Operations<br>TRADOC Middle Mgr Crs |  |
| <b>Block F:</b><br><b>ASI Producing Courses</b>  | 1. Shadow Unmanned Aerial Vehicle Repair (U2)<br>2. Hunter Unmanned Aerial Vehicle Repair (U3)<br>3. Tactical Exploitation System (TES) Integrator/Maintainer (4T)   |                       |   |   |   |   |  |
| <b>Block G:</b><br><b>Recommended MOS-Related Certification or Degree Program</b><br>(See note 4)                        | AA/AS or equivalent by the 10th year; BA/BS by the 15th year of service in electronics technology, electronics engineering, or information technology.<br>Department of Labor Apprenticeship Program by the 7th year of service.<br>SUN Certified Solaris Administrator by the 12th year of service. |                       |   |   |   |   |  |

# Professional Development Model for MOS 33W Military Intelligence Systems Maintainer/Integrator

|                 |   |
|-----------------|---|
| <b>Block H:</b> | 1. Some duty positions require Additional Skill Identifier (ASI) or Special Qualification Identifier (SQI). These ASI/SQI and requisites can be found in DA PAM 611-21 or the latest Notification of Future Change (NOFC).  |
| <b>Notes</b>    | 2. NCOES related courses in these areas can be found in the Army Correspondence Course Program (ACCP) and in local colleges and universities.<br>3. MOS related courses are available through SmartForce, ACCP or USAIC&FH Link 33.<br>4. The MOS related Certification and Degree Programs are provided as recommendations only. Soldiers should not feel they are restricted to those subject areas. Individuals should check with Education Center for AARTS program conversion of military schools and experience to college credits. |

## Block I: Recommended Reference and Reading List

### Military Publication:

AR 600-20 Army Command Policy  
AR 614-200 Enlisted Assignments and Utilization Management  
DA PAM 611-21 Military Occupational Classification and Structure (see annual NOFC)  
Joint Intelligence Publication 1 through 2-2  
FM 25-101 Battle Focus Training  
FM 34-1 Intelligence and Electronic Warfare Operations  
FM 34-2 Collection Management and Synchronization Planning  
FM 34-56 Imagery Intelligence  
FM 34-130 Intelligence Preparation of the Battlefield  
FM 100-5 Operations

### Web Sites:

USAIC&FH--<http://huachuca-usaic.army.mil>  
Center of Army Lesson Learned-- <http://call.army.mil>  
U.S. Army Publication Agency Home Page--<http://www.usapa.army.mil>  
Training and Doctrine Digital Library-- <http://www.adtdl.army.mil/atdls/htm>  
Joint Publication Library-- <http://www.dtic.mil/doctrine/jel/intelligence.htm>  
USASMA-- <http://usasma.bliss.army.mil>

### General Reading:

*Military Intelligence Professional Bulletin*; USAIC&FH, Qtrly  
*INSCOM Journal for the Military Intelligence Professional*; INSCOM, QTRLY  
Understanding Digital Troubleshooting, Author: Don L. Cannon, Publisher: SAMS, ISBN: 0672273373, Publication Date: Jun 1991  
The Complete Guide to Electronics Troubleshooting, Author: James Perozzo, Publisher: Delmar Pub, ISBN: 0827350457, Publication date: December 1993  
Electronics Repair Manual, Author: Williams and Smith, Publisher: Weka Publications, ISBN: 0929321065, Publication date: December 1993  
Troubleshooting Analog Circuits, Author: Rober A. Pease, Publisher: Butterworth-Heinemann, ISBN: 0750694998, Publication date: October 1993  
Electronic Troubleshooting and Repair Handbook, Author: Home L. Davidson, Publisher: Tab Books, ISBN: 007015676X, Publication date: July 1, 1995  
McGraw-Hill Electronic Troubleshooting Handbook, Author: John D. Lenk, Publisher: McGraw Hill Text, ISBN: 0070376581, Publication date: May 1995  
The Electric Circuits Problem Solver, Author: James Ogden, Max Fogiel, Publisher: Research & Education Assn., ISBN: 0878915176, Publication date: Rev. 1998  
Advanced Electronic Communications Systems, Author: Wayne Tomasi, Publisher: Prentice Hall, ISBN: 0137509863, Publication date: March 1998  
Soldiers Magazine  
The Institute Of Electrical And Electronics Engineers, Inc (IEEE) . publishes several journals, including: IEEE Signal Processing Magazine, IEEE Circuits & Devices Magazine, IEEE Electrical Insulation Magazine, IEEE Antennas & Propagation. These magazines are available from The Journal Of the IEEE Magazines/Newsletters Department, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08855.

American Radio Relay League publishes a monthly magazine called QST that contains information about radio signal propagation. You can find more information by mailing to ARRL, 225 Main St, Newington, CT 06111.

## APPENDIX

| Acronym      | Title  |
|--------------|--|
| 1SG          | First Sergeant   |
| AA           | Associate of Arts                                      |
| AC           | Active Component                                       |
| ACCP         | Army Correspondence Course Program                     |
| ACE          | Analysis and Control Element                           |
| ACT          | Analysis Control Team                                  |
| Acty         | Activity   |
| AEPDS        | Advance Electronic Processing Dissemination System     |
| AIT          | Advance Individual Training                            |
| ANCOG        | Advance Noncommissioned Officer Course                 |
| Anl          | Analyst  |
| ARL          | Airborne Reconnaissance Low                            |
| AS           | Associate Science Degree                               |
| ASAS         | All Source Analysis System                             |
| ASI          | Additional Skill Identifier                            |
| Asst         | Assistant  |
| BA           | Baccalaureate Degree                                   |
| BCT          | Basic Combat Training                                  |
| BDA          | Battle Damage Assessment                               |
| Bde          | Brigade  |
| Bn           | Battalion  |
| BNCOC        | Basic Noncommissioned Officer Course                   |
| BS           | Bachelor of Science                                    |
| BSEP         | Basic Skills Education Program                         |
| BSI          | Bachelor of Science in Intelligence                    |
| CAT          | Category   |
| CBT          | Computer Based Training                                |
| Cbt          | Combat   |
| CFSO         | Counterintelligence Force Protection Source Operations |
| CGS          | Common Ground Station                                  |
| Ch           | Chief  |
| CI           | CounterIntelligence                                    |
| CIM          | Crypto Interface Module                                |
| CMF          | Career Management Field                                |
| Coll         | Collection   |
| COMINT       | Communications Intelligence                            |
| CLP          | Common Language Program                                |
| Cmdt         | Commandant   |
| Crs          | Course   |
| Crypt        | Cryptologic  |
| C-SIGINT Ops | Counter-SIGINT Operations                              |
| Det SGT      | Detachment Sergeant                                    |
| Dev          | Developer  |

|           |   |
|-----------|---|
| DF        | Direction Finder                                    |
| DLI       | Defense Language Institute                          |
| DLPT      | Defense Language Proficiency Test                   |
| DTRA      | Defense Threat Readiness Agency                     |
| DS        | Direct Support                                      |
| EAC       | Echelon Above Corps                                 |
| EACIC     | Echelon Above Corps Intelligence Center             |
| ECB       | Echelon Corps and Below                             |
| ECCM      | Electronic Counter-Countermeasures                  |
| ELINT     | Electronic Intelligence                             |
| EO        | Equal Opportunity                                   |
| EP        | External Pilot                                      |
| FISINT    | Foreign instrumentation signals intelligence        |
| GRCS      | Guardrail Common Sensor                             |
| Grp       | Group   |
| GSR       | Ground Surveillance Radar                           |
| GSS       | Ground Surveillance System                          |
| HNS       | Host Nation Support                                 |
| HUMINT    | Human Intelligence                                  |
| ICT       | Integrated Concept Team                             |
| ID        | Identification                                      |
| IEEE      | Institute of Electrical and Electronics Engineers   |
| IET       | Individual Entry Training                           |
| IEW       | Intelligence and Electronic Warfare                 |
| IEW       | Intelligence & Electronic Warfare                   |
| IMINT     | Imagery Intelligence                                |
| Instr     | Instructor  |
| Intel     | Intelligence  |
| IPB       | Intelligence Preparation of the Battlefield         |
| IPDS      | Imagery Processing and Dissemination System Course  |
| I-REMBASS | Improved Remotely Monitor Battlefield Sensor System |
| JCMT      | Joint Collection Management Tools                   |
| JMIC      | Joint Military Intelligence College                 |
| JMITC     | Joint Military Intelligence Training Center         |
| JSTARS    | Joint Surveillance Target Attack Radar System       |
| Lang      | Language  |
| Ldr       | Leader  |
| MASINT    | Measurement and Signature Intelligence              |
| MCSAP     | Military COMINT Signals Analysis Program            |
| MECCAP    | Middle enlisted Career Advancement Program          |
| Mgt       | Management  |
| MI        | Military Intelligence                               |
| MIES      | Modernized Imagery Exploitation System              |
| Min       | Minimum   |
| MINSAP    | Military Intern SIGINT Analyst Program              |
| MOCS      | Military Occupational Classification and Structure  |

|               |  |
|---------------|--|
| MSG           | Master Sergeant                                  |
| MSSI          | Masters of Science in Strategic Intelligence     |
| NGB           | National Guard Bureau                            |
| NCO           | Noncommissioned Officer                          |
| NCOA          | Noncommissioned Officer Academy                  |
| NCOES         | Noncommissioned Officer Education System         |
| NCOIC         | Noncommissioned Officer in charge                |
| NCS           | National Cryptologic School                      |
| NIMA          | National Imagery and Mapping Agency              |
| NIS           | National Input Segment Course                    |
| NOFC          | Notification of Future Changes                   |
| NSA           | National Security Agency                         |
| OCMI          | Office of the Chief, Military Intelligence       |
| OJT           | On-Job-Training                                  |
| OPELINT       | Operational ELINT                                |
| Ops           | Operations                                       |
| PFC           | Private First Class                              |
| PGIP          | Postgraduate Intelligence Program                |
| PLDC          | Primary Leadership Development Course            |
| Plt           | Platoon  |
| PVT           | Private  |
| R & D         | Research & Development                           |
| R & S         | Reconnaissance and Surveillance                  |
| RC            | Reserve Component                                |
| Sect          | Section  |
| SF            | Special Forces                                   |
| SFC           | Sergeant First Class                             |
| SGM           | Sergeant Major                                   |
| SGT           | Sergeant   |
| Sig           | Signals  |
| SIGINT        | Signals Intelligence                             |
| Sm            | Small  |
| SMC           | Sergeants Major Course                           |
| SOT-A         | Special Operations Team                          |
| SPC           | Specialist                                       |
| Spec          | Special  |
| Spectrum RISC | Spectrum Radiology Information System Consortium |
| SQI           | Special Qualification Identifier                 |
| Sr            | Senior   |
| SSG           | Staff Sergeant                                   |
| Strat         | Strategic  |
| Sys           | System   |
| TACELINT      | Tactical Electronic Intelligence                 |
| Tech          | Technical  |
| TENCAP        | Tactical Exploitation of National Capabilities   |
| TES           | Tactical Exploitation System                     |

|               |   |
|---------------|---|
| Tgt           | Target  |
| Tm            | Team  |
| Tng           | Training  |
| TRAC          | Tactical Radar Correlator Course                                |
| TROJAN SPIRIT | TROJAN Special Purpose Integrated Remoted Intelligence Terminal |
| TSCM          | Technical Surveillance Counter Measures                         |
| TUAV          | Tactical UAV  |
| UAV           | Unmanned Aerial Vehicle   |
| UGIP          | Undergraduate Intelligence Program                              |
| UNIX          | Uniplexed Information and Computer Systems                      |
| USAIC&FH      | United States Army Intelligence Center & Fort Huachuca          |
| USASMA        | U.S. Army Sergeants Major Academy                               |
| Wtr           | Writer  |
| WHCA          | White House Communications Agency                               |