

Training and Evaluation Outline Report

Task Number: 01-2-8061

Task Title: Coordinate Quality Control Actions in Support of Aviation Maintenance Programs

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	AR 700-138	Army Logistics Readiness and Sustainability	Yes	No
	AR 702-18	MATERIEL QUALITY STORAGE STANDARDS POLICY FOR SHELF-LIFE MATERIEL	Yes	No
	AR 750-1	Army Materiel Maintenance Policy.	Yes	No
	AR 750-43	Army Test, Measurement, and Diagnostic Equipment	Yes	No
	PAM 738-751	FUNCTIONAL USER'S MANUAL FOR THE ARMY MAINTENANCE MANAGEMENT SYSTEM-AVIATION (TAMMS-A)	Yes	No
	TC 3-04.7	Army Aviation Maintenance	Yes	Yes
	TM 1-1500-328-23	AERONAUTICAL EQUIPMENT MAINTENANCE MANAGEMENT POLICIES AND PROCEDURES (REPRINTED W/BASIC INCL C1)	Yes	No

Condition: Aviation Elements are conducting assigned missions in a simulated-live, virtual, or constructive-combat environment. The aviation maintenance company/troop receives mission requirements and the commander's guidance directing quality control (QC) personnel to coordinate quality control actions in support of aviation maintenance programs. The unit's digital systems are functional. Maintenance management reports are being received through normal and/or secured channels. Production Control (PC) and quality control (QC) sections coordinate maintenance actions in support of Safety of Flight (SOF), Aviation Safety of Action (ASAM) messages, the Army oil analysis program, and the TMDE program. The Unit Level Logistics System - Aviation (Enhanced) (ULLS-AE) or manual procedures may be used to process completed maintenance actions. Some iterations of this task should be performed in MOPP.

Standard: The aviation maintenance company/troop's quality control (QC) coordinates actions in support of aviation maintenance programs in accordance with (IAW) applicable publications, technical manuals (TMs) and the commander's guidance. Technical inspectors (TIs) assigned to the quality control section provide quality assurance oversight for all maintenance actions in direct compliance of Aviation Safety of Flight Messages (ASAM) directives. TIs ensure that ASAM messages directives are transcribed into corresponding aircraft forms and records and maintained IAW applicable regulatory policies and publications. Oil analysis and calibration programs are established and maintained IAW applicable technical publications. Management procedures and compliance with Technical Bulletins (TB), Modification Work Orders (MWO), Safety of Flights (SOF) and Aviation Safety Action technical publications are completed IAW applicable regulations.

Special Equipment: None

Safety Level: Low

Task Statements

Cue: None

DANGER

None.

WARNING

None.

CAUTION

None.

Remarks: None

Notes: None

TASK STEPS

- * 1. Aircraft maintenance officer/quality control non-commissioned officer in charge (NCOIC) coordinates quality control (QC) section actions in support of the unit's maintenance program.
 - a. Confirms currency of the unit's master reference library of aircraft technical publications.
 - b. Manages the unit's Army oil analysis program (AOAP).
 - c. Supervises unit's test measurement and diagnostic Equipment (TMDE) calibration program.
 - d. Coordinates QC personnel actions to ensure all assigned Safety of Flight (SOF) and Aviation Safety of Action (ASAM) messages are in compliance.
 - e. Coordinates technical compliance of all assigned technical bulletins (TBs) and modification work orders (MWOs).
 - f. Reviews and updates QC section's standing operating procedures (SOP).
 - g. Enforces shop and flight line safety standards.
2. QC's technical inspectors establish and/or maintain a master reference library of maintenance technical publications in support of the unit's maintenance program.
 - a. Establishes and/or maintains a master reference library of aircraft technical publications.
 - b. Posts and/or monitors posting of mandated changes to technical publications to ensure currency of reference libraries.
 - c. Processes recommended changes to publications found to be in error and tracks responses to recommended changes from higher headquarters.
3. QC section personnel manage the unit's AOAP.
 - a. Maintains a copy of appointment orders for assigned unit's Army oil analysis coordinator/monitor.
 - b. Reviews and updates unit's AOAP SOP.
 - c. Establishes and maintains an Army oil analysis logic chart.
 - d. Monitors aircraft oil sample taking procedures.
 - e. Submits aircraft oil samples to installation oil analysis laboratory.
 - f. Acts on oil analysis laboratory recommendations.
 - g. Advises the production control officer/NCOIC of any adverse findings of previously submitted aircraft oil samples.
4. QC section personnel manage the calibration program in support of the unit's TMDE.
 - a. Maintains copy of appointment orders for assigned unit's calibration program coordinator/monitor.
 - b. Reviews and updates unit's calibration program SOP.

c. Monitors unit's TMDE for compliance of cyclic calibration requirements.

d. Ensures unit's calibration program maintenance request register is current.

e. Ensures Department of the Army (DA) labels affixed to TMDE calibrated items reflect accuracy of information and currency of calibration.

5. QC section personnel ensure compliance with all Safety SOF, TBs, MWOs, quality deficiency reports (QDR), and ASAM messages.

a. Ensures maintenance personnel perform maintenance actions as directed by SOFs and ASAMs, to include accuracy and completeness of aircraft forms and records.

b. Provides quality assurance and technical inspections at the completion of maintenance actions mandated by SOF and ASAM directives.

c. Monitors technical compliance of all assigned TB and MWO installation as well as accuracy and completeness of the aircraft's historical records, if applicable.

* 6. Commander/leader performs or delegates performance of the steps in the composite risk management process for each step in troop leading procedures.

(Asterisks indicates a leader performance step.)

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Aircraft maintenance officer/quality control non-commissioned officer in charge (NCOIC) coordinated quality control (QC) section actions in support of the unit's maintenance program.			
2. QC's technical inspectors established and/or maintained a master reference library of maintenance technical publications in support of the unit's maintenance program.			
3. QC section personnel managed the unit's AOAP.			
4. QC section personnel managed the calibration program in support of the unit's TMDE.			
5. QC section personnel ensured compliance with all Safety SOF, TBs, MWOs, quality deficiency reports (QDR), and ASAM messages.			
6. Commander/leader performed or delegated performance of the steps in the composite risk management process for each step in troop leading procedures.			

TASK PERFORMANCE / EVALUATION SUMMARY BLOCK							
ITERATION	1	2	3	4	5	M	TOTAL
TOTAL PERFORMANCE MEASURES EVALUATED							
TOTAL PERFORMANCE MEASURES GO							
TRAINING STATUS GO/NO-GO							

ITERATION: 1 2 3 4 5 M

COMMANDER/LEADER ASSESSMENT: T P U

Mission(s) supported: None

MOPP: Sometimes

MOPP Statement: None

NVG: Never

NVG Statement: None

Prerequisite Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	01-2-0338	Conduct Helicopter Maintenance	01 - Aviation/Aviation Logistics (Collective)	Obsolete
	43-2-4392	Maintain Records and Publications	43 - Maintenance (except missile) (Collective)	Approved

Supporting Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	01-2-8058	Coordinate Production Control and Aviation Maintenance Functions	01 - Aviation/Aviation Logistics (Collective)	Obsolete
	01-2-8062	Perform Aircraft Technical Inspections	01 - Aviation/Aviation Logistics (Collective)	Obsolete

Supporting Individual Task(s):

Step Number	Task Number	Title	Proponent	Status
	011-405-0022	Manage Unmanned Aircraft System (UAS) Maintenance Operations	011 - Aviation (Individual)	Approved
	011-412-0072	Perform the Duties of a Quality Control Section Chief	011 - Aviation (Individual)	Approved
	011-412-0074	Manage Maintenance Operations in an Aviation Maintenance Company (AMC)	011 - Aviation (Individual)	Approved
	011-412-0075	Manage Maintenance Operations in an Aviation Support Company (ASC)	011 - Aviation (Individual)	Approved
	011-412-0076	Perform the Duties of a Brigade Aviation Maintenance/Material Officer (BAMO)	011 - Aviation (Individual)	Approved
	011-412-0079	Manage Maintenance Operations using Automated Management Systems	011 - Aviation (Individual)	Approved
	011-510-0502	Plan Company-Level Maintenance	011 - Aviation (Individual)	Approved
	011-510-1300	Supervise Aviation Maintenance Operations	011 - Aviation (Individual)	Approved
	011-540-0004	Supervise the Use of Aviation Maintenance Publications	011 - Aviation (Individual)	Approved
	011-540-0029	Supervise the Preparation of Maintenance Forms and Records	011 - Aviation (Individual)	Approved
	052-192-1271	Identify Visual Indicators of an Improvised Explosive Device (IED) (UNCLASSIFIED//FOR OFFICIAL USE ONLY) (U//FOUO)	052 - Engineer (Individual)	Approved
	052-192-3261	React to an Improvised Explosive Device (IED) Attack (UNCLASSIFIED / FOR OFFICIAL USE ONLY) (U//FOUO)	052 - Engineer (Individual)	Approved
	052-192-3262	Prepare for an Improvised Explosive Device (IED) Threat Prior to Movement (UNCLASSIFIED / FOR OFFICIAL USE ONLY) (U//FOUO)	052 - Engineer (Individual)	Approved
	052-703-9113	Plan for the Integration of C-IED Assets in a COIN Environment	052 - Engineer (Individual)	Approved
	171-300-0083	Enforce Rules of Engagement (ROE)	171 - Armor (Individual)	Approved
	922-000-0451	Complete Quality Control functions utilizing ULLS-A (E).	922 - NGPEC (Individual)	Approved

Supporting Drill Task(s): None

TADSS

Step ID	TADSS ID	Title	Product Type	Quantity
	01-146	Aviation Combined Arms Tactical Trainer (AVCATT) (https://tsmats.atsc.army.mil/TSMATS/PAM/Armywide/01-146.pdf)	SIM	1

Equipment (LIN)

Step ID	LIN	Nomenclature	Qty
No equipment specified			

Materiel Items (NSN)

Step ID	NSN	LIN	Title	Qty
No equipment specified				

Environment: 1. Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT

2. All aerial defensive and offensive tactical operations require an area in which to maneuver. Most training areas have environmental restrictions that a unit must follow during tactical operations. The flight-route parameters resulting from environmental and noise complaint restrictions are unique to aviation. These restrictions must be considered when planning training aviation missions and during mission briefs.

3. Aviation units use large amounts of hazardous materials during routine maintenance. Commanders will be held responsible for the proper disposal of hazardous materials (HAZMAT). The operation of FARPs is especially challenging because of the potential for major environmental catastrophes. The SOPs specify the proper disposal of HAZMAT (such as oils and lubricants, used drip pans, and grease and oil washed off vehicles).

4. All gunnery ranges have environmental SOPs which aviation units need to comply with. These restrictions include normal environmental guidance. They also include specific instructions for the disposal of casings and ammunition boxes and maneuvering weapon systems.

Note. Each U.S. installation is subject to local and state environmental regulations as well as to federal legislation. For information pertaining to a specific location, contact the installation environmental office. When overseas or on deployment, contact operations and plans, and training staff officer (S3) or the assistant chief of staff, operations (G3).

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Composite Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, NBC Protection, FM 3-11.5, CBRN Decontamination. 1. In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Composite Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, NBC Protection, FM 3-11.5, CBRN Decontamination.

2. Composite risk management identifies operational risks so hazards can be reduced or eliminated. Composite risk management allows units to operate in high-risk environments. Leaders at every level are responsible for identifying hazards, taking measures to reduce or eliminate hazards, and accepting risk only to the point that the benefits outweigh the potential losses. The Army's doctrinal manuals articulate the risk-management process as the principal risk-reduction tool. Composite risk management is not an add-on feature to the decision-making process but, rather, a fully integrated element of planning and executing operations. The goal is to make composite risk management a routine part of planning and executing operational and training missions.

3. Composite risk management is a continuous process for each assigned mission or training event. It must be integral to military decisions tied into each training plan and become a continuous part of preparation for training. Safety demands total chain of command involvement in planning, preparing, executing, and evaluating training.