

<b>SECTION I - MSET DETAILS</b>	7
<b>A - 46TH MAINTENANCE GROUP (MXG)</b>	7
A.1 Management Inspection	7
A.1.1 Functional Management	7
A.1.2 General Programs Management	7
A.1.3 Occupational Safety and Health Management	7
A.1.4 Quality Assurance Management	8
A.1.5 Technical Data/Process Management	8
A.1.6 Training and Certification Management	9
A.2 Personnel Evaluations	10
A.3 Quality Verification Inspections	12
A.4 Detected Safety Violations (DSV)/Technical Data Violations (TDV)/Unsatisfactory Condition Reports (UCR)	14
<b>B - 46TH AIRCRAFT MAINTENANCE SQUADRON (AMXS)</b>	14
B.1 Management Inspection	14
B.1.1 General Programs Management	14
B.1.2 Occupational Safety and Health Management	15
B.1.3 Training and Certification Management	15
<b>C - 46 AMXS/BLUE AIRCRAFT MAINTENANCE UNIT</b>	16
C.1 Management Inspection	16
C.1.1 Functional Management	16
C.1.2 General Programs Management	16
C.1.3 Occupational Safety and Health Management	17
C.1.4 Technical Data/Process Management	17
C.1.5 Tools and Equipment Management	17
C.1.6 Training and Certification Management	18
C.2 Personnel Evaluations	18
C.3 Quality Verification Inspections	19

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

C.4	Detected Safety Violations (DSV)/Technical Data Violations (TDV)/Unsatisfactory Condition Reports (UCR)	20
D - 46	AMXS/RED AIRCRAFT MAINTENANCE UNIT	20
D.1	Management Inspection	20
D.1.1	Functional Management	20
D.1.2	General Programs Management	21
D.1.3	Occupational Safety and Health Management	22
D.1.4	Technical Data/Process Management	22
D.1.5	Tools and Equipment Management	22
D.1.6	Training and Certification Management	22
D.2	Personnel Evaluations	23
D.3	Quality Verification Inspections	24
D.3.7	F-15C safe for maintenance inspection	24
D.4	Detected Safety Violations (DSV)/Technical Data Violations (TDV)/Unsatisfactory Condition Reports (UCR)	24
E - 46TH	MAINTENANCE OPERATIONS SQUADRON (MOS)	25
E.1	Management Inspection	25
E.1.1	General Programs Management	25
E.1.2	Occupational Safety and Health Management	25
E.1.3	Technical Data/Process Management	25
E.1.4	Training and Certification Management	25
E.2	Detected Safety Violations (DSV)/Technical Data Violations (TDV)/Unsatisfactory Condition Reports (UCR)	25
F - 46TH	MAINTENANCE SQUADRON (MXS)	25
F.1	Management Inspection	25
F.1.1	General Programs Management	25
F.1.2	Occupational Safety and Health Management	26
F.1.3	Technical Data/Process Management	26
F.1.4	Training and Certification Management	26
F.2	Detected Safety Violations (DSV)/Technical Data Violations (TDV)/Unsatisfactory Condition Reports (UCR)	26

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

G - 46 MXS/CONTRACT MANAGEMENT OFFICE	26
G.1 Management Inspection	26
G.1.1 General Programs Management	26
G.1.2 Occupational Safety and Health Management	27
G.1.3 Training and Certification Management	27
G.2 Personnel Evaluations	27
G.3 Quality Verification Inspections	30
G.4 Detected Safety Violations (DSV)/Technical Data Violations (TDV)/Unsatisfactory Condition Reports (UCR)	32
G.5 Aerospace Ground Equipment (AGE)	32
G.5.1 Management Inspection	32
G.5.1.1 Functional Management	32
G.5.1.2 General Programs Management	32
G.5.1.3 Technical Data/Process Management	33
G.5.1.4 Tools and Equipment Management	33
G.5.1.5 Training and Certification Management	33
G.6 Backshop	34
G.6.1 Management Inspection	34
G.6.1.1 Functional Management	34
G.6.1.2 General Programs Management	34
G.6.1.3 Technical Data/Process Management	36
G.6.1.4 Tools and Equipment Management	36
G.6.1.5 Training and Certification Management	36
G.6.2 Detected Safety Violations (DSV)/Technical Data Violations (TDV)/Unsatisfactory Condition Reports (UCR)	37
G.7 Transient Alert	37
G.7.1 Management Inspection	37
G.7.1.1 General Programs Management	37
G.7.1.2 Technical Data/Process Management	37
G.7.1.3 Tools and Equipment Management	38
G.7.1.4 Training and Certification Management	38

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

G.7.2	Detected Safety Violations (DSV)/Technical Data Violations (TDV)/Unsatisfactory Condition Reports (UCR)	38
H - 46	MXS/MUNITIONS FLIGHT	38
H.1	Management Inspection	38
H.1.1	Functional Management	38
H.1.2	General Programs Management	41
H.1.3	Occupational Safety and Health Management	41
H.1.4	Technical Data/Process Management	41
H.1.5	Tools and Equipment Management	41
H.1.6	Training and Certification Management	41
H.2	Personnel Evaluations	42
H.3	Quality Verification Inspections	42
H.4	Detected Safety Violations (DSV)/Technical Data Violations (TDV)/Unsatisfactory Condition Reports (UCR)	42
I - 46	MXS/TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT (TMDE) FLIGHT	43
I.1	Management Inspection	43
I.1.1	Functional Management	43
I.1.2	General Programs Management	43
I.1.3	Occupational Safety and Health Management	44
I.1.4	Technical Data/Process Management	44
I.1.5	Tools and Equipment Management	44
I.1.6	Training and Certification Management	44
I.2	Detected Safety Violations (DSV)/Technical Data Violations (TDV)/Unsatisfactory Condition Reports (UCR)	44
J - 46TH	OPERATIONS GROUP/46TH TEST SQUADRON	45
J.1	Management Inspection	45
J.1.1	Functional Management	45
J.1.2	General Programs Management	45
J.1.3	Occupational Safety and Health	45
J.1.4	Technical Data/Process Management	45

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

J.1.5	Tools and Equipment Management	45
K - 46TH TEST WING (TW)/SEEK EAGLE OFFICE (SK)		45
K.1	Management Inspection	45
K.1.1	General Programs Management	45
K.1.2	Occupational Safety and Health Management	46
K.1.3	Technical Data/Process Management	46
K.1.4	Tools and Equipment Management	46
K.1.5	Training and Certification Management	46
K.2	Detected Safety Violations (DSV)/Technical Data Violations (TDV)/Unsatisfactory Condition Reports (UCR)	46
L - 46 TW/TECHNICAL DIRECTORATE		47
L.1	Management Inspection	47
L.1.1	General Programs Management	47
L.1.2	Occupational Safety and Health Management	47
L.1.3	Technical Data/Process Management	48
L.1.4	Tools and Equipment Management	48
L.2	Detected Safety Violations (DSV)/Technical Data Violations (TDV)/Unsatisfactory Condition Reports (UCR)	48
M - CENTER/BASE SUPPORT		49
N - HIGHER HEADQUARTERS		49
<b>SECTION II - ADMINISTRATIVE DETAILS</b>		<b>50</b>
REPLY INSTRUCTIONS		50
BEST PRACTICE CANDIDATES		51
SUPERIOR PERFORMERS		53
SUPERIOR PERFORMER TEAMS		55
TEAM COMPOSITION		59
MSET ABBREVIATIONS		61

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

**Overall MSET Results:**

46th Maintenance Group (MXG)	OUTSTANDING
46th Aircraft Maintenance Squadron (AMXS)	OUTSTANDING
46 AMXS/Blue Aircraft Maintenance Unit	OUTSTANDING
46 AMXS/Red Aircraft Maintenance Unit	EXCELLENT
46th Maintenance Operations Squadron (MOS)	OUTSTANDING
46th Maintenance Squadron (MXS)	EXCELLENT
46 MXS/Contract Management Office	EXCELLENT
46 MXS/Munitions Flight	EXCELLENT
46 MXS/Test, Measurement, and Diagnostic Equipment (TMDE) Flight	OUTSTANDING
46th Operations Group/46th Test Squadron	OUTSTANDING
46th Test Wing (TW)/Seek Eagle Office (SK)	OUTSTANDING
46 TW/Technical Directorate	SATISFACTORY

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

## SECTION I - MSET DETAILS

### A - 46TH MAINTENANCE GROUP (MXG)

OUTSTANDING

#### A.1 MANAGEMENT INSPECTION

##### A.1.1 FUNCTIONAL MANAGEMENT

Within Functional Management the following areas were inspected: Weapons (WSS)

##### Best Practice

- **#(A001-BEST PRACTICE) 46th Maintenance Group, Weapons Standardization Section, Weapons Academic Instructor developed an outstanding PowerPoint presentation to train weapons academics, explosives safety, captive missile arming and safing procedures, and supervisory post loads on the A-10, F-15A/E, and block 10 – 50 F-16 aircraft. This course is designed for all 2W1X1 personnel assigned to the 46th Test Wing and DynCorp personnel assigned to the Armament Systems Flight. Plus, they welcome any aircraft crew chiefs and specialists that perform launch and/or recovery of their assigned MDS. Other units outside of the 46th Test Wing also participate. Personnel assigned to the 33rd Fighter Wing and Hurlbert Field also attend for familiarizing 3-skill level airman to other MDSs. This 6-hour course is both entertaining and informative and includes videos, sound effects, animation, and music. The Weapons Academic Instructor has taken an annual training requirement for all assigned 2W1X1 personnel and made it an enjoyable experience. In return, people retain more of the information presented in the class making explosives loading operations safer. Another portion of the training provides an ongoing tally of the dollar costs of incidents at the 46th Test Wing. This helps personnel to quantify the impact mistakes have to the Air Force. This course is a good candidate for export to the entire Air Force. POC: TSgt Kenneth F. Chang, DSN 872-3396, email [Kenneth.chang@eglin.af.mil](mailto:Kenneth.chang@eglin.af.mil)**

##### Superior Performer

- TSgt Kenneth F. Chang, 46 MXG/MXWL

##### A.1.2 GENERAL PROGRAMS MANAGEMENT

Within General Programs Management the following areas were inspected: Foreign Object Damage and Maintenance Programs

- **No Significant Findings**

##### A.1.3 OCCUPATIONAL SAFETY AND HEALTH MANAGEMENT

Within Occupational Safety and Health Management the following areas were inspected: Flight Line Safety and Industrial Safety

- **No Significant Findings**

This is a **PRIVILEGED DOCUMENT** that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.

**FOR OFFICIAL USE ONLY**

#### **A.1.4 QUALITY ASSURANCE MANAGEMENT**

Within Quality Assurance Management the following areas were inspected: Functional Check Flight (FCF), Quality Assurance, and Weight & Balance

##### **Strengths**

- 46th Maintenance Group, Quality Assurance (QA) Section personnel provided functional non-rated Staff Assistance Visits (SAV) to prepare wing units for the MSET inspection
  - Staff Assistance Visits ensured units exceeded compliance with written guidance
  - Quality Assurance personnel tirelessly dedicated time with multiple internal SAV follow-ups to units with functional area compliance concerns
  - Assisted non-maintenance group organizations in preparation for inspection
  - Set the example; QA programs were flawless
    - All QA programs received zero findings

##### **Superior Performance Team**

- 46 MXG QA Office
- 46th Maintenance Group, Quality Assurance personnel developed and implemented a superior aircraft chafing program; program manager researched depot-inspection, phase-inspection information, and provided high chafing areas of concern for a comprehensive chafing awareness package reviewed by all QA inspectors and adopted as a QA inspector training course
  - Requested and received manufacture structural information used to identify and develop chafing inspection work cards
  - Developed database to track and identify wing aircraft chafing problem areas

##### **Superior Performer**

- TSgt Richard J. Lukens, 46 MXG/MXQI

#### **A.1.5 TECHNICAL DATA/PROCESS MANAGEMENT**

Within Technical Data/Process Management the following areas were inspected: Air Force Repair Enhancement Program (AFREP) and Technical Orders (TO)

##### **Best Practice**

- **#(A002-BEST PRACTICE) 46th Maintenance Group, Air Force Repair Enhancement Program (AFREP) Section developed a computer database program to increase the identification of consumable items (XB3/XF3) for base level or contract repair. The AFREP database cross-references data input from Automated Stock Number Database (ASNUD), and the D04, *Daily Document Register*. Once the source files are uploaded the database cross references and identifies items eligible for repair based on current and cumulative demands. Additionally, the Defense Reutilization Marketing Office**

This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.

**FOR OFFICIAL USE ONLY**



**(DRMO) daily worldwide turn-in list is loaded and compared to the ASNUD data which identifies assets for reutilization. Assets eligible for repair were extracted in less than 10 minutes versus 16 – 24 man hours. The database turned manual line item searches into a “point and click” quick button search for candidate parts. The AFREP database directly contributed to a fiscal year 2004 cost savings and avoidance of \$109,000. POC: TSgt John P. Quan, DSN 872-7722, email john.quan@eglin.af.mil**

**Superior Performer**

- TSgt John Quan, 46 MXG/MXQG

**A.1.6 TRAINING AND CERTIFICATION MANAGEMENT**

Within Training and Certification Management the following areas were inspected: Civilian Maintenance Training and Military Maintenance Training

**Strengths**

- 46th Maintenance Operations Squadron, Assistant Flight Commander designed and implemented an outstanding group maintenance officer training program
  - Process ensured new maintenance officers gained basic knowledge of aircraft maintenance practices and principles necessary for promotion and increased leadership
  - The three-phased program included orientations, actual “hands-on” experience, and continuation learning to ensure officers gain full comprehension of general support maintenance tasks
  - Training plan included extensive cradle-to-grave roadmap for maintenance officer development and standardized documentation

**Superior Performer**

- 2 Lt Chris R. MacDonald, 46 MOS/MXOO
- 46th Maintenance Group, Quality Assurance (QA) Section, Training Monitor developed and implemented an outstanding QA Inspector training program
  - Detailed continuity book provided a logical and graduated means of progression through the inspector training process
  - Quality Assurance master training plan contained detailed QA training manuals and guidelines for task completion in each specialty area
    - Provided an effective “road map” for inspector cross utilization training
    - Specified task completion requirements for each inspector duty position
    - Ensured complete standardization among work center inspectors regardless of their maintenance background

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

- Created training presentation tools to help inspectors learn all aspects of the quality assurance program
  - Visual “how-to” inspector guidelines for inspecting and performing the significant variety of QA programs

### **Superior Performer**

- TSgt Richard J. Lukens, 46 MXG/MXQI

### **Finding**

- **#(A001-MAJOR FINDING) (Ref: AFI 21-101 para 18.26.16.1.7.1) 46th Maintenance Group, Maintenance Training Flight did not ensure all bold face emergency engine run procedures were included in the engine test bank.  
OPR: HQ AFMC/LGM, OCR: HQ AFMC/LGM**
  - **Ten of eleven F100-PW-220 test questions did not cover all bold face items**

## **A.2 PERSONNEL EVALUATIONS**

### **A.2.1 F-15C AIRCRAFT LAUNCH PASS**

- Zero Defects
  - Thorough inspection
    - Evaluator: TSgt Dustin Kincaid

### **A.2.2 F-15C BPO PRE-FLIGHT INSPECTION PASS**

- Zero Defects
  - Excellent job; inspected all forms documentation, tools, and technical data
    - Evaluator: TSgt Charles Moffe

### **A.2.3 F-15C END OF RUNWAY INSPECTION PASS**

- Zero Defects
  - Excellent pre-brief; ensured all safety precautions
    - Evaluator: TSgt Dustin Kincaid

### **A.2.4 F-15C ENGINE 1 AND 2 JOAP SAMPLES PASS**

- Zero Defects
  - Outstanding in-brief and out-brief; checked all documentation
    - Evaluator: TSgt Brian Bumgardner

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

**A.2.5 F-15C MAGNETIC AZIMUTH DETECTOR INSTALLATION PASS**

- Zero Defects
  - Excellent in-brief and out-brief
  - Evaluator: TSgt Richard Fesenbek

**A.2.6 F-15C REFUEL PASS**

- Zero Defects
  - Evaluator: TSgt Brian Bumgardner

**A.2.7 F-15D AIRCRAFT TOW PASS**

- Zero Defects
  - Evaluator: TSgt Charles Moffe

**A.2.8 F-15E END OF RUNWAY INSPECTION PASS**

- Zero Defects
  - Evaluator: TSgt Dustin Kincaid

**A.2.9 F-15E JSOW LOAD PASS**

- Zero Defects
  - Great team work; lead standardization crew work evaluated all aspects of the load
  - Evaluators: TSgt Brian Mosier, TSgt Gregory Young, and SSgt Richard Kleen

**A.2.10 F-16 JASSM LOAD INSPECTION PASS**

- Zero Defects
  - Evaluators: TSgt Brian Mosier, TSgt Gregory Young, and SSgt Richard Kleen

**A.2.11 F-16B REFUEL PASS**

- Zero Defects
  - Evaluator: SSgt David Trantham

**A.2.12 F-16C THRU-FLIGHT INSPECTION PASS**

- Zero Defects
  - Very thorough and knowledgeable; inspected all documentation
  - Evaluator: TSgt Patrick Helmrich

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

**A.2.13 F-16CG JOAP SAMPLE INSPECTION PASS**

- Zero Defects
  - Evaluator: TSgt Patrick Helmrich

**A.2.14 F-16DJ MODULAR LOW POWER RADIO UNIT REMOVAL AND REPLACEMENT PASS**

- Zero Defects
  - Very good questioning techniques; inspected all forms documentation
    - Evaluator: TSgt Charles Smith

**A.2.15 180 DAY MUNITIONS INSPECTION PASS**

- Zero Defects
  - Evaluator: TSgt Ronald Kramer

**A.3 QUALITY VERIFICATION INSPECTIONS**

**A.3.1 AMMUNITIONS MOVEMENT OF M-9 DELAYS PASS**

- Zero Defects
  - Thorough inspection of all associated documents
    - Evaluator: TSgt Ronald Kramer

**A.3.2 F-15A PRIMARY WATER SEPERATER INSTALLATION PASS**

- Zero Defects
  - Evaluator: TSgt Richard Lukens

**A.3.3 F-15C ICMS COOLING CONTROL VALVE INSTALLATION PASS**

- Zero Defect
  - Excellent job; understands all aspects of the inspection process
    - Evaluator: TSgt Richard Lukens

**A.3.4 F-15C MAIN LANDING GEAR STRUT SERVICING PASS**

- Zero Defects
  - Evaluator: TSgt Charles Moffe

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

**A.3.5 F-15C RADAR ANTENNA INSTALLATION PASS**

- Zero Defects
  - Evaluator: TSgt Richard Fesenbek

**A.3.6 F-15C RADAR RECIEVER INSTALLATION PASS**

- Zero Defects
  - Very familiar with equipment and acceptable quality level (AQL)
    - Evaluator: TSgt Richard Fesenbek

**A.3.7 F-15D NUMBER 1 ENGINE OIL SERVICING PASS**

- Zero Defects
  - Very thorough; followed technical data step-by-step
    - TSgt Charles Moffe

**A.3.8 F-15E RIGHT ENGINE COMPARTMENT INTEGRITY INSPECTION PASS**

- Zero Defects
  - Very knowledgeable and thorough
    - Evaluator: TSgt Brian Bumgardner

**A.3.9 F-16C COCKPIT OXYGEN HOSE ASSEMBLY INSTALLATION PASS**

- Zero Defects
  - Evaluator: TSgt Patrick Meek

**A.3.10 F-16C DATA TRANSFER UNIT INSTALLATION PASS**

- Zero Defects
  - Evaluator: TSgt Charles Smith

**A.3.11 F-16CJ AVTR CONTROL PANEL INSTALLATION PASS**

- Zero Defects
  - Obviously very knowledgeable and experienced; verified all documentation
    - Evaluator: TSgt Charles Smith

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

**A.3.12 F-16CJ LEFT MAIN GLARESHIELD INSTALLATION PASS**

- Zero Defects
  - Evaluator: TSgt Charles Smith

**A.3.13 F-16DG MODULAR LOW POWER RADIO FREQUENCY UNIT INSTALLATION PASS**

- Zero Defects
  - Evaluator: TSgt Charles Smith

**A.3.14 F-16DG THRU-FLIGHT INSPECTION PASS**

- Zero Defects
  - Excellent job; verified all aircraft forms documentation
    - Evaluator: TSgt David Trantham

**A.3.15 F-16DJ ENGINE INLET INSPECTION PASS**

- Zero Defects
  - Evaluator: TSgt Patrick Helmrich

**A.4 DETECTED SAFETY VIOLATIONS (DSV)/TECHNICAL DATA VIOLATIONS (TDV)/UNSATISFACTORY CONDITION REPORTS (UCR)**

- **No Isolated Violations Observed**

**B - 46TH AIRCRAFT MAINTENANCE SQUADRON (AMXS) OUTSTANDING**

**B.1 MANAGEMENT INSPECTION**

**B.1.1 GENERAL PROGRAMS MANAGEMENT**

Within General Programs Management the following areas were inspected: Foreign Object Damage, Maintenance Programs, and Maintenance Supervision

**Finding**

- #(B001-MINOR FINDING) (Ref: AFI 21-101) 46th Aircraft Maintenance Squadron, Foreign Object Damage (FOD) Prevention Program Monitor did not ensure vehicle FOD containers were proper secured to prevent possible migration of foreign objects on the flight line
  - Four of seven FOD containers were not secured to the flight line vehicles in Red Aircraft Maintenance Unit (para 18.23.2.7)

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

- Six of eleven FOD containers were not secured to the flight line vehicles in Blue Aircraft Maintenance Unit (para 18.23.2.7)

### **B.1.2 OCCUPATIONAL SAFETY AND HEALTH MANAGEMENT**

Within Occupational Safety and Health Management the following areas were inspected: Flight Line Safety and Industrial Safety

- **No Significant Findings**

### **B.1.3 TRAINING AND CERTIFICATION MANAGEMENT**

Within Training and Certification Management the following areas were inspected: Civilian Maintenance Training and Military Maintenance Training

#### **Strength**

- 46th Aircraft Maintenance Squadron, Unit Training Managers (UTM) provided outstanding support for the squadron's maintenance training programs
  - Designed and implemented impressive and thorough standardized training plans
    - Ensured systematic completion of individual upgrade and duty position training requirements throughout the squadron
  - Created extensive UTM database to track and assist completion of daily UTM tasks
    - Ensured timely completion and documentation of initial Career Development Course (CDC) briefings, volume completion status and commander's interviews
    - Tracked graduate assessment surveys and formal school worksheet suspenses
    - Provided accurate training statistics for the commander and the Status of Training briefings
  - Implemented an aggressive squadron CDC program
    - Developed and implemented standardized AF Form 623a, On-The-Job Training Record Continuation Sheet overprint forms to document CDC progression, interviews, pretests and upgrade training progress
      - Ensured standardized procedures throughout
    - Tracked frequently missed question areas from each CDC course and used the information to direct trainees in areas for extra study
    - Completed a comprehensive trainee-supervisor interview prior to ordering any CDC course examination

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

- Increased squadron CDC pass rate from 70 to 98 percent in one year
- Squadron averages an impressive 3 to 4 “Outstanding” CDC test scores each month

**Superior Performance Team**

- 46 AMXS Unit Training Managers

**C - 46 AMXS/BLUE AIRCRAFT MAINTENANCE UNIT            OUTSTANDING**

**C.1    MANAGEMENT INSPECTION**

**C.1.1      FUNCTIONAL MANAGEMENT**

Within Functional Management the following areas were inspected: Weapons

- **No Significant Findings**

**C.1.2      GENERAL PROGRAMS MANAGEMENT**

Within General Programs Management the following areas were inspected: Foreign Object Damage, Maintenance Programs, Oil Analysis, and Parts Management

**Finding**

- #(C001-MINOR FINDING) (Ref: AFMCI 21-119) 46th Aircraft Maintenance Squadron, Blue Aircraft Maintenance Unit, Supply Support Supervisor did not ensure all issue requests were maintained in local database used in lieu of AF Form 2413, Supply Control Log
  - Three of ten AF Forms 2005, Issue/Turn-in Request, reviewed had not been logged-in (para 4.3.1)

**Recommendation**

- 46th Aircraft Maintenance Squadron, Blue Aircraft Maintenance Unit, Supply Support Supervisor should continue to develop processes as required by AFMCI 21-119, para 4.12.5
  - Procedures were defined; however, one shift was not using the database and completed hardcopy form information was not entered into the data system
  - Five of ten records reviewed were lacking “received by name” in the database which is used in-lieu of a control log

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**



### **C.1.3 OCCUPATIONAL SAFETY AND HEALTH MANAGEMENT**

Within Occupational Safety and Health Management the following areas were inspected: Flight Line Safety and Industrial Safety

#### **Strength**

- 46th Aircraft Maintenance Squadron, Blue Aircraft Maintenance Unit, Specialist Flight developed and implemented a local database to track AF Forms 55, Employee Health and Safety Record Information
  - Database information is populated during the initial stages of personnel in-processing
  - Database tracked personal data, locator card information, required safety training, AF Forms 55 required data, driver training, and flight line orientation information
  - Forms were printed out of the database with all information completed only requiring employee and supervisor signatures

#### **Superior Performer**

- TSgt Christopher T. Fraley, 46AMXS/MXABS

### **C.1.4 TECHNICAL DATA/PROCESS MANAGEMENT**

Within Technical Data/Process Management the following areas were inspected: Aircraft Forms, Maintenance Information Systems and Technical Orders (TO)

#### **Finding**

- #(C002-MINOR FINDING) (Ref: TO 00-5-1) 46th Aircraft Maintenance Squadron, Sortie Support Section, Technical Order Distribution Office (TODO) supervisor did not ensure Debrief Section's operational supplements were correctly posted.
  - Three of six Work Unit Code Manuals (-06) did not have operational supplements reference annotations documented on the front of the basic title page or on the affected page/paragraph (para 7.6.5.1, Fig 7-8)

### **C.1.5 TOOLS AND EQUIPMENT MANAGEMENT**

Within Tools and Equipment Management the following areas were inspected: Equipment Management and Tool Accountability

- **No Significant Findings**

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

## **C.1.6 TRAINING AND CERTIFICATION MANAGEMENT**

Within Training and Certification Management the following areas were inspected: Civilian Maintenance Training and Military Maintenance Training

### **Findings**

- #(C003-MINOR FINDING) (Ref: AFI 36-2201, V3) 46th Aircraft Maintenance Squadron, Blue Aircraft Maintenance Unit, Support Section Supervisor did not ensure work center's Master Training Plan met all of the requirements.
  - Master Training Plan's Career Field Education and Training Plan for 2S0X1 personnel were missing change 2 (para 6.1.2.2)
  - Two of four individual 2S0X1 AF Form 623, On-The-Job Training Records, were missing change 1 (para 6.1.2.2)
  - Three of four individual 2S0X1 AF Form 623, On-The-Job Training Records, were missing change 2 (para 6.1.2.2)
- #(C004-MINOR FINDING) (Ref: AFI 36-2201) 46th Aircraft Maintenance Squadron, Blue Aircraft Maintenance Unit, Support Section Supervisor did not ensure the Career Field Education and Training Plans were correctly transcribed.
  - Three of four individual 2S0X1 AF Form 623, On-The-Job Training Records, had inconsistent transcription dates on several tasks (para 8.8.2.2)
  - One of four individual 2S0X1 AF Form 623, On-The-Job Training Records, had missing trainee initials in several places (para 8.8.1.1.3)

## **C.2 PERSONNEL EVALUATIONS**

### **C.2.1 F-16B AIRCRAFT REFUEL PASS**

- Zero Defects
  - Excellent job; very knowledgeable technician
    - Technician: SSgt Bryan Saucke

### **C.2.2 F-16C IMPULSE CARTRIDGE CHAFF FLARE REMOVAL PASS**

- Zero Defects
  - Team performed exceptionally well together
    - Technicians: SSgt Jeff Thompson, SrA Gene Johnson, and A1C Julia Uballe

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

**C.2.3 F-16CG AIRCRAFT TOW PASS**

- Zero Defects
  - Thorough team brief
    - Technician: SrA Frank Wilson

**C.2.4 F-16CJ HARM TARGETING SYSTEM POD REMOVAL PASS**

- Zero Defects
  - Great team work; all technicians worked well together
    - Technicians: Mr. Lee Tomlinson, SSgt Michael Moffeit, and A1C Ryan Carr

**C.2.5 F-16CJ MODULAR MISSION COMPUTER OFP LOADING PASS**

- Zero Defects
  - Technician: SSgt Michael Moffeit

**C.2.6 F-16CJ PAVE PENNY/HARM TARGET SYSTEM PYLON REMOVAL PASS**

- Zero Defects
  - Technicians: Mr. Lee Tomlinson, SSgt Michael Moffeit, and A1C Ryan Carr

**C.3 QUALITY VERIFICATION INSPECTIONS**

**C.3.1 F-16B END OF RUNWAY INSPECTION PASS**

- Zero Defects
  - Technicians: TSgt Philip Cluckey, SrA Christopher Hiser, and Thomas Sullivan

**C.3.2 F-16CG CRASH SURVIVAL FLIGHT DATA RECORDER DOWNLOAD PASS**

- Zero Defects
  - Outstanding job by a young technician
    - Technician: A1C Christopher Collins

**C.3.3 F-16CG LEFT AND RIGHT EXTERNAL FUEL PYLON AND TANK ASSEMBLY INSTALLATION PASS**

- Zero Defects
  - Technician: SSgt Rollin Rathbun

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

**C.3.4 F-16CG LEFT AND RIGHT EXTERNAL FUEL PYLON AND TANK ASSEMBLY INSTALLATION PASS**

- Zero Defects
  - Technician: SSgt James Wilbert

**C.3.5 F-16CJ BPO INSPECTION PASS**

- Zero Defects
  - Thorough inspection; takes pride in his work
  - Technician: A1C Carlos Galarza

**C.3.6 F-16CJ MAIN LANDING GEAR TIRE INSTALLATION PASS**

- Zero Defects
  - Technicians: SSgt Douglas Constantine and A1C Carlos Galarza

**C.3.7 F-16DJ ENGINE HISTORY RETRIEVAL WITH CEDS TRANSFER UNIT PASS**

- Zero Defects
  - Technician: SSgt Daniel Powers

**C.3.8 F-16DJ LUBE AND SCAVENGE FILTER ELEMENT INSTALLATION PASS**

- Zero Defects
  - Technician: SSgt Kristin Coates

**C.4 DETECTED SAFETY VIOLATIONS (DSV)/TECHNICAL DATA VIOLATIONS (TDV)/UNSATISFACTORY CONDITION REPORTS (UCR)**

- **No Isolated Violations Observed**

**D - 46 AMXS/RED AIRCRAFT MAINTENANCE UNIT EXCELLENT**

**D.1 MANAGEMENT INSPECTION**

**D.1.1 FUNCTIONAL MANAGEMENT**

Within Functional Management the following areas were inspected: Weapons

**Findings**

- #(D001-MINOR FINDING) (Ref: TWI 21-133) 46th Aircraft Maintenance Squadron, Red Aircraft Maintenance Unit, Weapons Section Supervisor did not ensure AFTO Forms 350,

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

Repairable Item Processing Tag, were attached to unserviceable impulse cartridges awaiting turn-in to the Munitions Inspection Section.

- Eleven of eleven ARD-446 and one of one ARD-863 unserviceable impulse cartridges did not have an AFTO Form 350 Repairable Item Processing Tag attached (para. 5.1.3)
- #(D002-MINOR FINDING) (Ref: TWI 21-133) 46th Aircraft Maintenance Squadron, Red Aircraft Maintenance Unit, Weapons Section Supervisor did not turn in unserviceable impulse cartridges weekly to the Munitions Inspection Section.
  - Eleven of eleven ARD-446 and one of one ARD-863 unserviceable impulse cartridges were not turned-in (para 5.1.8)
    - Turn-in of their unserviceable impulse cartridges to the Munitions Inspection Section occurs on a quarterly basis
  - Ten of ten ARD-446 unserviceable Found on Base (FOB) impulse cartridges were not turned in weekly, within 5 duty days of being declared FOB (para. 5.1.9)
- #(D003-MINOR FINDING) (Ref: TWI 21-133, para 3.1) 46th Aircraft Maintenance Squadron, Red Aircraft Maintenance Unit, Weapons Section Supervisor did not ensure an AF Form 2047, Explosive Storage License, was posted on the outside of storage locker in clear view.
  - Current AF Form 2047, Explosive Storage License, was found inside of the Explosive Safety continuity book in the Weapons Section Chief's office

#### **D.1.2 GENERAL PROGRAMS MANAGEMENT**

Within General Programs Management the following areas were inspected: Foreign Object Damage, Maintenance Programs, Oil Analysis, and Parts Management

##### **Strength**

- 46th Aircraft Maintenance Squadron, Red Aircraft Maintenance Unit, Supply Support Section developed a user-friendly Access database to manage numerous supply functions
  - All data from issue, mission capable (MICAP) requests, tail number bin (TNB), time change (TC), facilitate other maintenance (FOM), and due-in-from maintenance (DIFM) programs have been automated
    - All data for these programs were input; report products were generated and used to significantly improve accountability for all assets under their control
    - Database is a one-stop shop for all supply requirements
    - Readily accessible by maintenance supervision and provides an accurate and timely picture of supply status

##### **Superior Performance Team**

- 46 AMXS Red AMU Supply Support Team

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

### **D.1.3 OCCUPATIONAL SAFETY AND HEALTH MANAGEMENT**

Within Occupational Safety and Health Management the following areas were inspected: Flight Line Safety and Industrial Safety

- **No Significant Findings**

### **D.1.4 TECHNICAL DATA/PROCESS MANAGEMENT**

Within Technical Data/Process Management the following areas were inspected: Aircraft Forms, Maintenance Information Systems, and Technical Orders (TO)

- **No Significant Findings**

### **D.1.5 TOOLS AND EQUIPMENT MANAGEMENT**

Within Tools and Equipment Management the following areas were inspected: Equipment Management and Tool Accountability

- **No Significant Findings**

### **D.1.6 TRAINING AND CERTIFICATION MANAGEMENT**

Within Training and Certification Management the following areas were inspected: Civilian Maintenance Training and Military Maintenance Training

#### **Strength**

- 46th Aircraft Maintenance Squadron, Red Aircraft Maintenance Unit, Flight training monitors provided outstanding support for the squadron's training programs
  - All flight master training plans contained step-by-step guidelines and charts to ensure all members were properly trained in a timely manner on their respective maintenance tasks
  - All flight master task listings were created using an easy-to-follow task identification legend to ensure each individual AF 623, On-the-Job Training Record, had all required duty position tasks properly identified
  - Individual AF 623s were exceptionally well maintained
    - AF 623s contained standardized AF 623a overprint forms for career development course tracking, initial evaluations and monthly training progress documentation

#### **Superior Performance Team**

- 46 AMXS Red AMU Training Team

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

**D.2 PERSONNEL EVALUATIONS**

**D.2.1 A-10A AIRCRAFT RECOVERY PASS**

- Zero Defects
  - Thorough inspection; ensured all inspection cards were completed
  - Technician: SrA William Davis

**D.2.2 A-10A 7-LEVEL LOX CONVERTER INSTALLATION PASS**

- Zero Defects
  - Knowledgeable technician; very familiar with applicable technical data
  - Technician: TSgt James Balkcom

**D.2.3 F-15C AIM-9/AIM-20 ELECTRICAL ISOLATION PASS**

- Zero Defects
  - Outstanding team work
  - Technicians: SSgt Anton Christensen, SrA Jeremy Carver, and A1C Tim Casey

**D.2.4 F-15C AIRCRAFT RECOVERY PASS**

- Minor: Fuel catch tube inserted in the incorrect drain

**D.2.5 F-15C CENTRAL COMPUTER REMOVAL PASS**

- Zero Defects
  - Technician: SrA Jason Knight

**D.2.6 F-15C RADAR RECIEVER INSTALLATION PASS**

- Zero Defects
  - Very professional and competent technician
  - Technician: SSgt Gabriel Haze

**D.2.7 F-15C RECONFIGURE OF THE 385 PASS**

- Zero Defects
  - Technicians: SSgt Gabriel Haze and SrA Jason Knight

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

**D.3 QUALITY VERIFICATION INSPECTIONS**

**D.3.1 A-10A LOX CONVERTER INSTALLATION PASS**

- Zero Defects
  - Technician: SrA Ryan Summers

**D.3.2 A-10A PRE-FLIGHT INSPECTION PASS**

- Zero Defects
  - Very thorough and knowledgeable airman
    - Technician: A1C Devon Stephens

**D.3.3 A-10A PRE-FLIGHT INSPECTION PASS**

- Zero Defects
  - Technician: A1C Devon Stephens

**D.3.4 F-15A LEFT HAND CIRCUIT BREAKER PANEL INSTALLATION PASS**

- Zero Defects
  - Knowledgeable technician; flawless installation
    - Technician: Mr. Charlie Price

**D.3.5 F-15C CENTRAL COMPUTER INSTALLATION PASS**

- Zero Defects
  - Technicians familiar with technical data and forms documentation
    - Technician: SSgt Hensley Ward and SSgt Michael Webber

**D.3.6 F-15C LAUNCH PROCEDURES FAIL**

- Major: Secondary heat exchanger exhaust cover was still installed at end-of-runway

**D.3.7 F-15C SAFE FOR MAINTENANCE INSPECTION PASS**

- Zero Defects
  - Technician: SSgt Gabriel Haze

**D.4 DETECTED SAFETY VIOLATIONS (DSV)/TECHNICAL DATA VIOLATIONS (TDV)/UNSATISFACTORY CONDITION REPORTS (UCR)**

- **No Isolated Violations Observed**

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**



**E - 46TH MAINTENANCE OPERATIONS SQUADRON (MOS)                      OUTSTANDING**

**E.1      MANAGEMENT INSPECTION**

**E.1.1      GENERAL PROGRAMS MANAGEMENT**

Within General Programs Management the following areas were inspected: Foreign Object Damage

- **No Significant Findings**

**E.1.2      OCCUPATIONAL SAFETY AND HEALTH MANAGEMENT**

Within Occupational Safety and Health Management the following areas were inspected: Industrial Safety

- **No Significant Findings**

**E.1.3      TECHNICAL DATA/PROCESS MANAGEMENT**

Within Technical Data/Process Management the following areas were inspected: Technical Orders (TO)

- **No Significant Findings**

**E.1.4      TRAINING AND CERTIFICATION MANAGEMENT**

Within Training and Certification Management the following areas were inspected: Military Maintenance Training

- **No Significant Findings**

**E.2      DETECTED SAFETY VIOLATIONS (DSV)/TECHNICAL DATA VIOLATIONS (TDV)/UNSATISFACTORY CONDITION REPORTS (UCR)**

- **No Isolated Violations Observed**

**F - 46TH MAINTENANCE SQUADRON (MXS)                      EXCELLENT**

**F.1      MANAGEMENT INSPECTION**

**F.1.1      GENERAL PROGRAMS MANAGEMENT**

Within General Programs Management the following areas were inspected: Foreign Object Damage, Maintenance Programs, and Maintenance Supervision

- **No Significant Findings**

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

### **F.1.2 OCCUPATIONAL SAFETY AND HEALTH MANAGEMENT**

Within Occupational Safety and Health Management the following areas were inspected:  
Industrial Safety

- **No Significant Findings**

### **F.1.3 TECHNICAL DATA/PROCESS MANAGEMENT**

Within Technical Data/Process Management the following areas were inspected: Maintenance Information Systems

- **No Significant Findings**

### **F.1.4 TRAINING AND CERTIFICATION MANAGEMENT**

Within Training and Certification Management the following areas were inspected: Civilian Maintenance Training and Military Maintenance Training

- **No Significant Findings**

### **F.2 DETECTED SAFETY VIOLATIONS (DSV)/TECHNICAL DATA VIOLATIONS (TDV)/UNSATISFACTORY CONDITION REPORTS (UCR)**

- **No Isolated Violations Observed**

## **G - 46 MXS/CONTRACT MANAGEMENT OFFICE EXCELLENT**

### **G.1 MANAGEMENT INSPECTION**

#### **G.1.1 GENERAL PROGRAMS MANAGEMENT**

Within General Programs Management the following areas were inspected: Foreign Object Damage and Maintenance Contract Oversight

#### **Findings**

- **#(G001-MAJOR FINDING) (Ref: AFI 63-124, para. 2.1.1.5.) 46th Maintenance Squadron, Contract Management Office supervisor did not ensure reference instructions and publications were cited by specific paragraph or chapter. OPR: HQ AFMC/LGM, OCR: HQ AFMC/LGM**
  - **One hundred seventy nine of one hundred seventy nine instructions and publications referenced in Appendix F of Eglin AFB Transient Alert Services Statement of Work were not broken down any further than publication number and title**
- **#(G002-MAJOR FINDING) (Ref: Eglin AFB Back Shop Quality Assurance Surveillance Plan, para 2.1.3.1) 46th Maintenance Squadron, Contract Management Office Supervisor did not determine minimum technical area evaluation requirements. OPR: HQ AFMC/LGM, OCR: HQ AFMC/LGM**

This is a **PRIVILEGED DOCUMENT** that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.

**FOR OFFICIAL USE ONLY**

- #(G001-MINOR FINDING) (Ref: Eglin AFB Back Shop Statement of Work, Appendix D) 46th Maintenance Squadron, Contract Management Office Supervisor did not ensure all documents applicable to Statement of Work were listed in Appendix D, Applicable Publications, Regulations, and Forms.
  - Technical Order 00-20-14, Air Force Metrology and Calibration Program, was not listed in Metals Technology Section
- #(G002-MINOR FINDING) (Ref: Eglin AFB Back Shop Statement of Work, Appendix D, Eglin AFB Transient Alert Statement of Work, Appendix F) 46th Maintenance Squadron, Contract Management Office Supervisor did not ensure all current publication changes were posted.
  - Twenty-one of forty-one Test Wing Instructions referenced as applicable documents were superseded, not applicable, or obsolete (Eglin AFB Back Shop Statement of Work, Appendix D)
  - Six of fifteen Test Wing Instructions referenced as applicable documents were superseded, not applicable, or obsolete (Eglin AFB Transient Alert Statement of Work, Appendix F)

### **G.1.2 OCCUPATIONAL SAFETY AND HEALTH MANAGEMENT**

Within Occupational Safety and Health Management the following areas were inspected:  
Industrial Safety

- **No Significant Findings**

### **G.1.3 TRAINING AND CERTIFICATION MANAGEMENT**

Within Training and Certification Management the following areas were inspected: Civilian Maintenance Training and Military Maintenance Training

- **No Significant Findings**

## **G.2 PERSONNEL EVALUATIONS**

### **G.2.1 AIRCRAFT SAFE FOR MAINTENANCE PASS**

- Zero Defects
  - Evaluator: Mr. Robert Allen

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

**G.2.2 CAUTION LIGHT DISPLAY PANEL OPERATIONAL CHECK PASS**

- Zero Defects
  - Excellent evaluation techniques; identified documentation forms error and quickly identified missing AFTO Form 244, Industrial/Support Equipment Record, from inspected equipment
  - Evaluator: Ms. Cathy Wickery

**G.2.3 CORROSION CONTROL PAINTING PASS**

- Zero Defects
  - Very knowledgeable and thorough inspector
  - Evaluator: Mr. Willie Butler

**G.2.4 COUPLING NUT ANTI-GAULING COMPOUND APPLICATION PASS**

- Zero Defects
  - Very thorough evaluation; had technician locate MSDS and verify tags
  - Evaluator: Mr. Jerry Vertefeuille

**G.2.5 COMPOSITE TOOL KIT INSPECTION PASS**

- Zero Defects
  - Evaluator: Mr. Bob Allen

**G.2.6 JOAP ANALYSIS PASS**

- Zero Defects
  - Evaluator: Mr. Willie Butler

**G.2.7 F-15A MAIN LANDING GEAR LUBE PASS**

- Zero Defects
  - Very professional and competent inspector
  - Evaluator: TSgt William Hoalt

**G.2.8 F-15 RADAR ANTENNA CABLE WRAP PASS**

- Zero Defects
  - Very thorough and meticulous; checked all support equipment and HAZMAT items
  - Evaluator: Ms. Cathy Wickery

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

**G.2.9 F-15C WHEEL ASSEMBLY INSPECTION RATING**

- Zero Defects
  - Great brief and excellent evaluation technique
    - SSgt Ryan Brown

**G.2.10 F-16 EGRESS SURVIVAL KIT INSTALLATION PASS**

- Zero Defects
  - Evaluator: Mr. Robert Allen

**G.2.11 F100-220 INSTALLATION OF FRONT SUPPORT PASS**

- Zero Defects
  - Provided excellent evaluation briefing before and after task surveillance
  - Demonstrated extensive system knowledge and experience; carefully and thoroughly reviewed all associated documentation
    - Evaluator: Mr. Jerry Vertefeuille

**G.2.12 MISSILE LAUNCH ADAPTER OPERATIONAL CHECK PASS**

- Zero Defects
  - Evaluator: Mr. Herbert Gomes

**G.2.13 PERIODIC INSPECTION OF AN ACES II PARACHUTE PASS**

- Zero Defects
  - Excellent evaluation techniques; very thorough
    - Mr. Herbert Gomes

**G.2.14 SEMDEX INSPECTION OF GE ENGINE CHIP DETECTOR (OIL ANALYSIS) PASS**

- Zero Defects
  - Outstanding pre-briefing
    - Evaluator: Mr. Willie Butler

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

**G.2.15 SET-UP AND MANUFACTURING OF PART IN MACHINE SHOP PASS**

- Zero Defects
  - Evaluator: Mr. Herbert Gomes

**G.3 QUALITY VERIFICATION INSPECTIONS**

**G.3.1 AIRCRAFT BATTERY INSPECTION PASS**

- Zero Defects
  - Evaluator: Ms. Cathy Wickery

**G.3.2 AIRCRAFT SAFE FOR MAINTENANCE INSPECTION PASS**

- Zero Defects
  - Evaluator: Mr. Robert Allen

**G.3.3 CANOPY REPAIR INSPECTION PASS**

- Zero Defects
  - Evaluator: Mr. Willie Butler

**G.3.4 F-15 AIR INLET CONTROLLER INSPECTION PASS**

- Zero Defects
  - Thorough inspection; verified all applicable forms and documentation
    - Evaluator: Ms. Cathy Wickery

**G.3.5 F-15A RIGHT MAIN LANDING GEAR LUBE INSPECTION PASS**

- Zero Defects
  - Evaluator: TSgt William Hoalt

**G.3.6 F-15C WHEEL AND TIRE ASSEMBLY INSPECTION PASS**

- Zero Defects
  - Worked well as a team
    - Evaluators: TSgt William Hoalt and SSgt Ryan Brown

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

**G.3.7 F-16 SURVIVAL KIT INSTALLATION PASS**

- Zero Defects
  - Evaluator: Mr. Robert Allen

**G.3.8 F100-220 ENGINE TCTO 2J-F100-683 INSPECTION PASS**

- Zero Defects
  - Very knowledgeable and experienced; verified all documentation
    - Evaluator: Mr. Jerry Vertefeuille

**G.3.9 FINISHED PRODUCTION WORK OF A CAMERA BODY INSPECTION PASS**

- Zero Defects
  - Verified specification with engineering drawings; precisely measured all dimensions
    - Evaluator: Mr. Herbert Gomes

**G.3.10 LIFE PRESERVER UNIT (LPU-10) INSPECTION PASS**

- Zero Defects
  - Very knowledgeable with equipment and acceptable quality level
    - Evaluator: Mr. Herbert Gomes

**G.3.11 LIGHT CART 180 DAY PERIODIC INSPECTION PASS**

- Zero Defects
  - Very thorough and knowledgeable
    - Evaluator: MSgt David Nearbin

**G.3.12 PAINTED AIRCRAFT PARTS (CORROSION CONTROL) INSPECTION PASS**

- Zero Defects
  - Evaluator: Mr. Willie Butler

**G.3.13 TANK DOLLY 180 DAY PERIODIC INSPECTION PASS**

- Zero Defects
  - Evaluator: MSgt David Nearbin

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

**G.3.14 TER-9A INSPECTION**

**PASS**

- Zero Defects
  - Knowledgeable and very familiar with applicable technical order
  - Evaluator: Mr. Herbert Gomes

**G.4 DETECTED SAFETY VIOLATIONS (DSV)/TECHNICAL DATA VIOLATIONS (TDV)/UNSATISFACTORY CONDITION REPORTS (UCR)**

- No Isolated Violations Observed

**G.5 AEROSPACE GROUND EQUIPMENT (AGE)**

**G.5.1 MANAGEMENT INSPECTION**

**G.5.1.1 FUNCTIONAL MANAGEMENT**

Within Functional Management the following areas were inspected: Aerospace Ground Equipment (AGE)

**Finding**

- **#(G003-MAJOR FINDING) (Ref: TO 00-25-234) 46th Maintenance Squadron, Aerospace Ground Equipment, Quality Assurance personnel did not ensure the Powered Section established electrostatic discharge (ESD) control procedures for ESD sensitive components. OPR: HQ AFMC/LGM, OCR: HQ AFMC/LGM**
  - **ESD point of contact had not been established for the organization and a work area survey had not been conducted (para 7-6 a)**
  - **Signs were not posted at ESD control work areas (para 7-6 r)**
  - **Portable static control work stations were not used when handling items or performing maintenance away from standard ESD control (para 7-6c)**
  - **Wrist straps were not tested before initial use each day and by subsequent users (para 7-6 d)**

**G.5.1.2 GENERAL PROGRAMS MANAGEMENT**

Within General Programs Management the following areas were inspected: Foreign Object Damage and Parts Management

**Strength**

- 46th Maintenance Squadron, Aerospace Ground Equipment, Support Section managed an outstanding work center supply requirements program
  - Stringent demand, control and documentation of supply transactions for Mission Capable Parts (MICAP) demands, tracking of Due-In-For-Maintenance (DIFM) assets

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**



and management of due-out details for Awaiting Parts (AWP), Contract Acquired Property Requests (CAPRs) and bench stock greatly strengthened the program

- Sixteen Tail Number Bin (TNB) properties were properly identified and labeled with no discrepancies
- All identified precious metal and shelf life bench stock properties were inspected with zero defects
- Zero incidents of operating/shop and residue stock were identified

#### **G.5.1.3 TECHNICAL DATA/PROCESS MANAGEMENT**

Within Technical Data/Process Management the following areas were inspected: Maintenance Information Systems and Technical Orders (TO)

- **No Significant Findings**

#### **G.5.1.4 TOOLS AND EQUIPMENT MANAGEMENT**

Within Tools and Equipment Management the following areas were inspected: Equipment Management and Tool Accountability

##### **Finding**

- **#(G004-MAJOR FINDING) (Ref: TWI 21-128) 46th Maintenance Squadron, Contract Management Office, Quality Assurance personnel did not ensure Aerospace Ground Equipment Branch, Powered Section locally modified tools were properly accounted and controlled. OPR: HQ AFMC/LGM , OCR: HQ AFMC/LGM**
  - **Four of four modified tools reviewed were not approved by Flight Chief or equivalent (para 12.4.2)**
  - **Four of four annual applicability reviews were not conducted, documented and kept on file in the support section/tool room (para 12.4.2)**
    - **Note: This discrepancy was previously identified during unit self assessment and improvement plan was in work**

#### **G.5.1.5 TRAINING AND CERTIFICATION MANAGEMENT**

Within Training and Certification Management the following areas were inspected: Maintenance Training

- **No Significant Findings**

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

## **G.6 BACKSHOP**

### **G.6.1 MANAGEMENT INSPECTION**

#### **G.6.1.1 FUNCTIONAL MANAGEMENT**

Within Functional Management the following areas were inspected: Avionics, Corrosion Control, Crash Recovery/Hot Brakes, Egress, Electro-Environmental, Fabrication, Fuels, Hydraulics, Hydrazine, Non-Destructive Inspection, Propulsion Maintenance, Weapons, and Wheel/Tire (Non-rated: Engine Management and Maintenance Operations Center)

#### **Findings**

- #(G003-MINOR FINDING) (Ref: AFI 21-101) 46th Maintenance Squadron, Contract Management Office, Quality Assurance Personnel did not ensure the SRAN Engine Manager (EM) had local procedures and base publications to support EM requirements.
  - Clear guidance was not established to ensure daily engine downloads are received from aircraft maintenance units (para 5.5.1.20.2)
  - Procedure was not established to ensure engine, module, and component data is reported to engine management no later than the close of business the first day after the event (para 5.5.1.20.2)
- #(G004-MINOR FINDING) (Ref: AFI 21-101) 46th Maintenance Squadron, Contract Management Office, Quality Assurance Personnel did not ensure Engine Manager (EM) properly managed component tracking, Time Change program, and engine records in the Maintenance Information System (MIS).
  - Time change records for two augmentor modules were incorrectly documented in CAMS (para 5.5.1.1)

#### **Recommendations**

- 46th Maintenance Squadron, Contract Management Office, Quality Assurance personnel should ensure Backshop Propulsion Branch bearing cleaning room meets minimum facility requirements in accordance with T.O. 44B-1-15, para 11-3h
  - Engine bearing room had no direct filtration from air conditioning ducts; filter would help eliminate dust accumulation into controlled environment

#### **G.6.1.2 GENERAL PROGRAMS MANAGEMENT**

Within General Programs Management the following areas were inspected: Foreign Object Damage, Maintenance Programs, Oil Analysis, Parts Management, and Plans & Scheduling

#### **Strength**

- 46th Maintenance Squadron, Back Shop Maintenance Branch, Support Sections maintained outstanding work center supply requirements program

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

- Streamlined control and documentation of supply requirements ordered via Core Automated System by maintaining applicable supply products D04, M30, R31, M04, S04, D19, D18, and D23 enhanced status verification of program
- Nine Bench stock accounts correctly identified and labeled with no discrepancies
- Zero incidents of operating/shop and residue stock properties were identified

### **Findings**

- **#(G005-MAJOR FINDING) (Ref: AFMCI 21-119) 46th Maintenance Squadron, Contract Management Office, Quality Assurance personnel did not ensure Back Shop Fabrication Branch, Aero Repair/Crash Section properly maintained Operating/Shop and Residual stock OPR: HQ AFMC/LGM, OCR: HQ AFMC/LGM**
  - **Thirty of thirty-two assets were not labeled with NSN, part number, unit of issue, and shelf-life (para 4.18.2)**
- **#(G006-MAJOR FINDING) (Ref: AFI 21-101) 46th Maintenance Squadron, Contract Management Office, Quality Assurance personnel did not ensure Plans, Scheduling and Documentation properly maintain historical documents for all assigned aircraft. OPR: HQ AFMC/LGM, OCR: HQ AFMC/LGM**
  - **Last phase inspection on Aircraft A0177 was not properly documented (para 15.3.5)**
    - **Phase package was missing from the jacket files and supporting documentation was not available to confirm inspection was accomplished (para 15.3.7)**
    - **Plans, Scheduling and Documentation Section inherited discrepancy from the government**
- **#(G005-MINOR FINDING) (Ref: AFI 21-101, para 18.23.3.1) 46th Maintenance Squadron, Contract Management Office, Quality Assurance personnel did not ensure Back Shop, Maintenance Branch, Egress Section removed unused allen head screws from grounding clips**
  - **Twelve unused allen head screws were installed on six injection seats presenting a FOD hazard**

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

### **G.6.1.3 TECHNICAL DATA/PROCESS MANAGEMENT**

Within Technical Data/Process Management the following areas were inspected: Maintenance Information Systems and Technical Orders (TO)

#### **Finding**

- #(G006-MINOR FINDING) (Ref: TO 00-5-1) 46th Maintenance Squadron, Contract Management Office, Quality Assurance personnel did not ensure Back Shop, Maintenance Branch, Fuel Shop correctly filed TO Supplements.
  - Four of thirty two supplements were not properly posted
    - TO 1A-10A-4-1, 1A-10A-4-1S-2, effective paragraph was not referenced to see supplement 2 (para 7.6.6.3)
    - TO 1F-15E-6, 1F-15E-6S-149, effective paragraph was not referenced to see supplement 149 (para 7.6.6.3)
    - TO 1F-16A-2-28FI-00-1, 1F-16A-2-28FI-00-1SS-9 effective paragraph was not referenced to see safety supplement 9 (para 7.6.6.3)
    - TO 1F-16A-6-21, LPS-2-46TW-1F-16A-6-21 was not annotated on TO title page (7.8.1) and 1F-16A-6-21S-152, effective paragraph was not circled (para 7.6.6.3)

### **G.6.1.4 TOOLS AND EQUIPMENT MANAGEMENT**

Within Tools and Equipment Management the following areas were inspected: Equipment Management and Tool Accountability

#### **Finding**

- #(G007-MINOR FINDING) (Ref: TO 00-20-1) 46th Maintenance Squadron, Contract Management Office, Quality Assurance personnel did not ensure Back Shop, Maintenance Branch, Avionics Section, F-15 Avionics Integrated System properly documented support equipment maintenance and periodic inspection requirements.
  - Three of four pieces of Test Measurement and Diagnostic Equipment which require a scheduled inspection, did not have a properly documented AFTO Forms 244, Industrial/Support Equipment Record, readily available for the user and maintenance personnel (para 7.1)

### **G.6.1.5 TRAINING AND CERTIFICATION MANAGEMENT**

Within Training and Certification the following areas were inspected: Maintenance Training

#### **Strength**

- 46th Maintenance Squadron Back Shop, Fabrication Branch maintained a strong civilian training program by using highly efficient Master Training Plans (MTPs)
  - Structural and Composite Section simplified the MTP to assist supervisors in proper documentation

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

- Survival Equipment had a comprehensive easy to follow MTP; training record documentation was flawless
- 46th Maintenance Squadron, Back Shop, Maintenance Branch, Avionics Section, Fuel Shop developed and managed a superb civilian training program
  - Outstanding training continuity book contained specific detailed on-the-job training procedures for employees
  - Eight of eight training records reviewed with zero discrepancies noted

**G.6.2 DETECTED SAFETY VIOLATIONS (DSV)/TECHNICAL DATA VIOLATIONS (TDV)/UNSATISFACTORY CONDITION REPORTS (UCR)**

- **No Isolated Violations Observed**

**G.7 TRANSIENT ALERT**

**G.7.1 MANAGEMENT INSPECTION**

**G.7.1.1 GENERAL PROGRAMS MANAGEMENT**

Within General Programs Management the following areas were inspected: Foreign Object Damage and Oil Analysis

**Finding**

- **#(G007-MAJOR FINDING) (Ref: AFMCI 21-119) 46th Test Wing, Contract Management Office Quality, Assurance personnel did not ensure Transient Alert Section personnel were properly trained on the Oil Analysis program as required by the Statement of Work (SOW) F08651-03-M-S066-P00003. OPR: HQ AFMC/LGM, OCR: HQ AFMC/LGM**
  - **Twelve of twelve technicians had not received Oil Analysis training as required (para 23.55.3.6)**
    - **Statement of Work identifies the Oil Analysis Program as a Special Program to be supported by Transient Alert (SOW, para 1.11)**

**G.7.1.2 TECHNICAL DATA/PROCESS MANAGEMENT**

Within Technical Data/Process Management the following areas were inspected: Aircraft Forms and Technical Orders (TO)

- **No Significant Findings**

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

### **G.7.1.3 TOOLS AND EQUIPMENT MANAGEMENT**

Within Tools and Equipment Management the following areas were inspected: Tool Accountability

#### **Findings**

- #(G008-MINOR FINDING) (Ref: TWI 21-128) 46th Maintenance Squadron, Contract Management Office, Quality Assurance Personnel did not ensure the Transient Alert Section maintained proper documentation for locally manufactured tools.
  - Three of three locally manufactured tools did not have annual documentation, by flight chief or designated representative, approving tools for applicability and current configuration (para 12.1.2)

### **G.7.1.4 TRAINING AND CERTIFICATION MANAGEMENT**

Within Training and Certification the following areas were inspected: Maintenance Training

- **No Significant Findings**

### **G.7.2 DETECTED SAFETY VIOLATIONS (DSV)/TECHNICAL DATA VIOLATIONS (TDV)/UNSATISFACTORY CONDITION REPORTS (UCR)**

- **No Isolated Violations Observed**

## **H - 46 MXS/MUNITIONS FLIGHT**

**EXCELLENT**

### **H.1 MANAGEMENT INSPECTION**

#### **H.1.1 FUNCTIONAL MANAGEMENT**

Within Functional Management the following areas were inspected: Munitions

#### **Strengths**

- 46th Maintenance Squadron, Munitions Flight, Munitions Operations, Document Control Element team established procedures to ensure all affected personnel reviewed documents prior to being permanently filed
  - Team developed a comprehensive tracking program to ensure munitions accountable and auditable documents were properly quality controlled, routed, and reviewed by each of the seven sections within the element
  - The overall impact of efforts in developing a tracking program was proven when 120 of 120 documents inspected were flawless

#### **Superior Performance Team**

- 46 MXS Munitions Flight Document Control Team

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

- 46th Maintenance Squadron, Munitions Flight, Munitions Storage crew members maintained storage structures in exemplary condition
  - Eight of eight munitions structures visited were kept extremely clean and orderly
  - Thirty of thirty munitions storage locations were easily identifiable and munitions stacks were properly aligned

### **Superior Performers**

- SSgt Jeremiah C. Jones, 46 MXS/MXMWS
- A1C Brunson C. McClain, 46 MXS/MXMWS

### **Findings**

- **#(H001-MAJOR FINDING) (Ref: 46 MXG OI 21-120) 46th Maintenance Squadron, Munitions Flight, Precision Guided Munitions Element Chief did not ensure all in-process inspections were documented in Tactical Missile Reporting System and each missile marriage record. OPR: HQ AFMC/LGM, OCR: HQ AFMC/LGM**
  - **Twelve of twelve completed missile marriage records did not reflect required in-process inspections (para 2.3.5)**
  - **Three of four in-process inspections were not reflected in the missile marriage records (para 2.3.5)**
- **#(H002-MAJOR FINDING) (Ref: AFI 21-101 and AFI 21-201) 46th Maintenance Squadron, Munitions Flight, Munitions Inspection, Senior Munitions Inspector did not properly verify qualification and training of appointed munitions inspectors. OPR: HQ AFMC/LGM, OCR: HQ AFMC/LGM**
  - **Comprehensive training and certification program was not developed (AFI 21-201, para 4.2.1.1)**
  - **Procedures were not established to ensure currently certified munitions inspectors retained their proficiency level (AFI 21-201, para 4.2.1.1.1)**
    - **Structured process to provide training and guidance on recent changes in munitions inspection procedures was not developed**
  - **Standard procedures were not developed/followed to properly validate inspector qualification during over the shoulder evaluations (AFI 21-201, para 4.2.1.1.2)**
  - **Procedures were not developed to establish comprehensive/standardized annual re-certification program (AFI 21-201, para 4.2.1.1.3)**
    - **Four of four munitions inspector certification tests were not coordinated with the Military Training Flight to ensure a comprehensive annual review was conducted, control numbers were assigned, and tests were properly secured (AFI 21-101, para 5.4.2.12)**

This is a **PRIVILEGED DOCUMENT** that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.

**FOR OFFICIAL USE ONLY**

- Senior Munitions Inspector was identified as a certified inspector and did not complete annual re-certification training (AFI-21-201, para 4.2.1.1.3)**
- #(H001-MINOR FINDING) (Ref: AFI 21-201) 46th Maintenance Squadron, Munitions Flight Chief did not ensure AF-owned intermodal (International Standardization Organizational (ISO), MILVAN, etc) containers were properly maintained.  
OPR: HQ AFMC/LGM, OCR: HQ AFMC/LGM.
  - Four of four ISO containers did not have dunnage to prevent rocks and debris from exerting pressure against lower structural members of the container and allow air circulation to prevent moisture damage to containers (para 7.4.3.)
  - Four of four ISO containers did not have a current DD Form 2282, Convention for Safe Containers Inspection (para 7.4.4)
  - Four of four ISO containers did not have an empty munitions certification statement marked or attached to empty containers; three of four were not sealed (11A-1-60 chapter 7 para 7.3.2. and 7.4.1)
- #(H002-MINOR FINDING) (Ref: AFI 21-201) 46th Maintenance Squadron, Munitions Flight, Munitions Accountable Systems Officer did not publish a wing operating instruction to provide direction to commanders, custodians, and munitions users on munitions accountability procedures.
  - Munitions Accountable Systems Officer had published a local munitions customer guide; however, had not published a wing operating instruction as required (para 2.10.8)
- #(H003-MINOR FINDING) (Ref: TO 11A-1-10) 46th Maintenance Squadron, Munitions Flight Chief did not ensure proper marking of munitions assets.
  - Twenty of thirty munitions items located in storage did not contain required general markings (para 3.2)
  - Two of two MK15 fin assemblies were marked with incorrect Ammunition Disposition Report number (para 3.2.)
- #(H004-MINOR FINDING) (Ref: AFI 21-101) 46th Maintenance Squadron, Munitions Flight, Munitions Inspections Element Chief did not ensure static display munitions were inspected at least annually for appearance, platform, mounting safety, and overall serviceability.
  - Three of seventeen static display munitions were overdue annual inspection (para 36.3.1.1)

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**



### **H.1.2 GENERAL PROGRAMS MANAGEMENT**

Within General Programs Management the following areas were inspected: Foreign Object Damage and Parts Management

#### **Strength**

- 46th Maintenance Squadron, Munitions Flight, Precision Guided Munitions section maintained an outstanding residual stock for three weapon systems
  - Three hundred and sixty parts were clearly marked with easy to read precious metals and shelf life labels
  - Program managers displayed expert knowledge in retrieving and reviewing required supply documents

#### **Superior Performer**

- SrA Matthew R. Sullivan, 46 MXS/MXMWPA

### **H.1.3 OCCUPATIONAL SAFETY AND HEALTH MANAGEMENT**

Within Occupational Safety and Health Management the following areas were inspected: Explosive Safety and Industrial Safety

- **No Significant Findings**

### **H.1.4 TECHNICAL DATA/PROCESS MANAGEMENT**

Within Technical Data/Process Management the following areas were inspected: Technical Orders (TO)

- **No Significant Findings**

### **H.1.5 TOOLS AND EQUIPMENT MANAGEMENT**

Within Tools and Equipment Management the following areas were inspected: Equipment Management and Tool Accountability

- **No Significant Findings**

### **H.1.6 TRAINING AND CERTIFICATION MANAGEMENT**

Within Training and Certification Management the following areas were inspected: Military Maintenance Training

- **No Significant Findings**

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

## **H.2 PERSONNEL EVALUATIONS**

### **H.2.1 ANTI TANK MINES RECEIVING INSPECTION PASS**

- Zero Defects
  - Identified incorrect national stock number during inspection; good job
    - Technicians: SSgt Michael Frey and A1C Scott Landry

### **H.2.2 EGRES CAD/PAD RECEIVING INSPECTION PASS**

- Zero Defects
  - Technicians: SSgt Michael Frey and A1C Scott Landry

### **H.2.3 RR-188 CHAFF BUILD-UP (120 EA) PASS**

- Zero Defects
  - Very thorough; followed the technical data step-by-step
    - Technicians: SSgt Willie Neal, SrA Cy Marcus and A1C Christopher Gates

### **H.2.4 FMU-143 B/B FUZES RECEIVING INSPECTION FAIL**

- Inspection team skipped para 2.3 in TO 11A-1-10 during the evaluation; evaluator assisted team during the evaluation and gave a passed rating

## **H.3 QUALITY VERIFICATION INSPECTIONS**

### **H.3.1 AIM-120C ITB SHIPPING INSPECTION PASS**

- Zero Defects
  - Technician: TSgt Ronald Kramer

### **H.3.2 AF FORM 4147 DOCUMENT VALIDATION PASS**

- Zero Defects
  - Knowledgeable technician; performed flawlessly
    - Technician: SSgt Anthony Ehle

### **H.3.3 AF FORM 4147 SWIVEL AND LINKS MOVEMENT VERIFICATION PASS**

- Zero Defects
  - Technician: SrA Allen Stinson

## **H.4 DETECTED SAFETY VIOLATIONS (DSV)/TECHNICAL DATA VIOLATIONS (TDV)/UNSATISFACTORY CONDITION REPORTS (UCR)**

- **No Isolated Violations Observed**

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

**I - 46 MXS/TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT (TMDE) FLIGHT      OUTSTANDING**

**I.1      MANAGEMENT INSPECTION**

**I.1.1      FUNCTIONAL MANAGEMENT**

Within Functional Management the following areas were inspected: Precision Measurement Equipment Laboratory (PMEL)

- **No Significant Findings**

**I.1.2      GENERAL PROGRAMS MANAGEMENT**

Within General Programs Management the following areas were inspected: Foreign Object Damage and Parts Management

**Strength**

- 46th Maintenance Squadron, Test Maintenance Diagnostic Evaluation Flight, Support Section acquired more than 150 TMDE items from Defense Reutilization Marketing Office (DRMO) for cannibalization purposes
  - Saved \$125K by using DRMO assets to repair customers' equipment
  - Creative idea decreased backlog by 30 percent
  - Provided means to repair customer equipment no longer supported by the manufacturer

**Superior Performance Team**

- 46 MXS TMDE Flight Support Section

**Findings**

- #(I001-MINOR FINDING) (Ref: TO 1-1A-14 and TO 00-25-234) 46th Maintenance Squadron, Test Measurement and Diagnostic Equipment Flight Commander did not ensure test cell calibration trailer hoses, electrical connectors, and tubes were plugged and capped to prevent foreign objects from entering engine test cell systems.
  - Ten of eleven engine test calibration trailer fittings were not capped or plugged (TO 1-1A-14, para 2-32)
  - Six of six engine test calibration trailer fuel tubes were not capped (TO 1-1A-14, para 2-32)
  - Eight of eight engine test calibration trailer electrical cable cannon plugs were not capped (TO 00-25-234, para 2-9A)
    - Storage shelves for all fittings, tubes, hoses, and cannon plugs contained debris and sand that could contaminate calibrating gauges and equipment affecting data integrity readings from test cell gauges and pressure sensing equipment ultimately affecting accurate engine system diagnosis

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

### **I.1.3 OCCUPATIONAL SAFETY AND HEALTH MANAGEMENT**

Within Occupational Safety and Health Management the following areas were inspected:  
Industrial Safety

- **No Significant Findings**

### **I.1.4 TECHNICAL DATA/PROCESS MANAGEMENT**

Within Technical Data/Process Management the following areas were inspected: Technical Orders

- **No Significant Findings**

### **I.1.5 TOOLS AND EQUIPMENT MANAGEMENT**

Within Tools and Equipment Management the following areas were inspected: Equipment Management and Tool Accountability

#### **Recommendation**

- 46th Maintenance Squadron, Test Measurement and Diagnostic Equipment Flight Commander should develop a process to ensure torque wrenches are cycled through the breakaway torque prior to use per the manufacture's brochure or cycled through six times as required by TO 00-20-14, para 7-3 note

### **I.1.6 TRAINING AND CERTIFICATION MANAGEMENT**

Within Training and Certification Management the following areas were inspected: Civilian Maintenance Training and Military Maintenance Training

#### **Strength**

- 46th Maintenance Squadron, Test Measurement and Diagnostic Equipment Flight training monitor created a comprehensive training program
  - Master Training Plan outline clearly identified specific training objectives, conditions, performance requirements and standards
  - Master Training Listing was clear and concise enabling supervisor to easily identify 100 percent task coverage

#### **Superior Performer**

SSgt Jill I. Love, 46th MXS/MXMD

### **I.2 DETECTED SAFETY VIOLATIONS (DSV)/TECHNICAL DATA VIOLATIONS (TDV)/UNSATISFACTORY CONDITION REPORTS (UCR)**

- **No Isolated Violations Observed**

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

**J - 46TH OPERATIONS GROUP/46TH TEST SQUADRON      OUTSTANDING**

**J.1      MANAGEMENT INSPECTION**

**J.1.1      FUNCTIONAL MANAGEMENT**

Within General Programs Management the following areas were inspected: Avionics

- **No Significant Findings**

**J.1.2      GENERAL PROGRAMS MANAGEMENT**

Within General Programs Management the following areas were inspected: Foreign Object Damage

- **No Significant Findings**

**J.1.3      OCCUPATIONAL SAFETY AND HEALTH**

Within Occupational Safety and Health Management the following areas were inspected: Industrial Safety

- **No Significant Findings**

**J.1.4      TECHNICAL DATA/PROCESS MANAGEMENT**

Within Technical Data/Process Management the following areas were inspected: Technical Orders (TO)

- **No Significant Findings**

**J.1.5      TOOLS AND EQUIPMENT MANAGEMENT**

Within Tools and Equipment Management the following areas were inspected: Equipment Management and Tool Accountability

- **No Significant Findings**

**K - 46TH TEST WING (TW)/SEEK EAGLE OFFICE (SK)      OUTSTANDING**

**K.1      MANAGEMENT INSPECTION**

**K.1.1      GENERAL PROGRAMS MANAGEMENT**

Within General Programs Management the following areas were inspected: Foreign Object Damage and Parts Management

- **No Significant Findings**

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

### **K.1.2 OCCUPATIONAL SAFETY AND HEALTH MANAGEMENT**

Within Occupational Safety and Health Management the following areas were inspected:  
Industrial Safety

#### **Strength**

- 46th Test Wing, Air Force Seek Eagle Office, Analysis Division team developed and implemented an outstanding system to track required hoist and hook information
  - Team combined all inspection requirements, inspection completion dates, load test certificates, and the original operating manuals for all hoists and hooks in the shop
  - Binders consolidated the information required for tracking and made it easy to track upcoming inspection requirements

#### **Superior Performance Team**

- Air Force Seek Eagle Office Mass Properties Industrial Safety Team

### **K.1.3 TECHNICAL DATA/PROCESS MANAGEMENT**

Within Technical Data/Process Management the following areas were inspected: Technical Orders (TO)

- **No Significant Findings**

### **K.1.4 TOOLS AND EQUIPMENT MANAGEMENT**

Within Tools and Equipment Management the following areas were inspected: Equipment Management and Tool Accountability

- **No Significant Findings**

### **K.1.5 TRAINING AND CERTIFICATION MANAGEMENT**

Within Training and Certification Management the following areas were inspected: Civilian Maintenance Training

- **No Significant Findings**

### **K.2 DETECTED SAFETY VIOLATIONS (DSV)/TECHNICAL DATA VIOLATIONS (TDV)/UNSATISFACTORY CONDITION REPORTS (UCR)**

- **No Isolated Violations Observed**

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

**L - 46 TW/TECHNICAL DIRECTORATE**

**SATISFACTORY**

**L.1 MANAGEMENT INSPECTION**

**L.1.1 GENERAL PROGRAMS MANAGEMENT**

Within General Programs Management the following areas were inspected: Foreign Object Damage and Parts Management

**Finding**

- #(L001-MINOR FINDING) (Ref: AFI 21-101) 46th Test Wing Technical Directorate, Flight Test Division Supervisor did not ensure vehicle FOD containers were proper secured to prevent possible migration of foreign objects on the flight line
  - One of four flight line vehicles did not have FOD containers installed (para 18.23.2.7)

**Recommendation**

- 46th Test Wing, Technical Directorate, Flight Test Division, Electrical Modification Installation Branch Supervisor should continue to strive to meet all supply management requirements as required by AFMCI 21-119, para 4.17.5.2
  - Unit met requirements and established procedures to flag bench stock on backorder; however, the unit should also place a red flag if the bin level falls below fifty-percent

**L.1.2 OCCUPATIONAL SAFETY AND HEALTH MANAGEMENT**

Within Occupational Safety and Health Management the following areas were inspected: Industrial Safety

**Findings**

- #(L001-MAJOR FINDING) (Ref: AFOSHSTD 91-46) 46th Test Wing, Technical Directorate, Simulation and Signature Division Supervisor did not ensure hoist was properly maintained. OPR: HQ AFMC/LGM, OCR: HQ AFMC/LGM
  - **Current inspection records, load testing, and maintenance documentation were not maintained by the using agency (para 5.2.5.1)**
    - **Safety and load test last accomplished 10 April 2001; test expired 9 April 2002**
    - **Last monthly inspection documented on 16 August 2000**
    - **Two AFTO Forms 244, Industrial/Support Equipment Record, entries for overdue inspections were placed on a red diagonal rather than the required red dash; also missing date discovered and discovered by information**
    - **AFTO Forms 244 contained a red diagonal entry with no date discovered, discovered by information or write-up information completed**
    - **Thirty-day hook inspection, annual hoist, and load test inspections were overdue, no date entered on AFTO Forms 244**

This is a **PRIVILEGED DOCUMENT** that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.

**FOR OFFICIAL USE ONLY**

- **#(L002-MAJOR FINDING) (Ref: AFI 91-301) 46th Test Wing, Technical Directorate, Simulation and Signature Division Supervisor did not ensure all blocks of the AF Forms 55, Employee Safety and Health Record, were properly documented. OPR: HQ AFMC/LGM, OCR: HQ AFMC/LGM**
  - **Six of eight AF Forms 55 did not have training signed by employees supervisor (attach 6, Section V)**
  - **Twenty-five of twenty-five AF Forms 55 reviewed did not have date specialized OSHA training was provided or signatures of employee or supervisor (attach 6, section V)**

### **L.1.3 TECHNICAL DATA/PROCESS MANAGEMENT**

Within Technical Data/Process Management the following areas were inspected: Aircraft Modifications and Technical Orders

#### **Recommendation**

- 46th Test Wing, Technical Directorate, Flight Test Division Supervisor should ensure the integrity of the completed modification packages as required by AFMCI 21-126, para 8.2.34
  - Modification number should be annotated on each drawing listed on AFTDC 70, Drawing Document List

### **L.1.4 TOOLS AND EQUIPMENT MANAGEMENT**

Within Tools and Equipment Management the following areas were inspected: Equipment Management and Tool Accountability

#### **Findings**

- **#(L003-MAJOR FINDING) (Ref: TO 00-20-1 and TO 00-20-14) 46th Test Wing, Technical Directorate, Simulation and Signature Supervisor did not ensure support equipment maintenance inspection requirements were properly completed or documented. OPR: HQ AFMC/LGM, OCR: HQ AFMC/LGM**
  - **Twenty-three of twenty-three TMDE items inspected did not have technical data for equipment owned (TO 00-20-14, para 3.6k)**
  - **Twenty-three of twenty-three Test Measurement and Diagnostic Equipment items inspected did not have AFTO Forms 244, Industrial/Support Equipment Record, available for each piece of equipment requiring scheduled inspections (TO 00-20-1, para 7.1)**

### **L.2 DETECTED SAFETY VIOLATIONS (DSV)/TECHNICAL DATA VIOLATIONS (TDV)/UNSATISFACTORY CONDITION REPORTS (UCR)**

- **No Isolated Violations Observed**

This is a **PRIVILEGED DOCUMENT** that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.

**FOR OFFICIAL USE ONLY**



**M - CENTER/BASE SUPPORT**

- **This Section Not Used**

**N - HIGHER HEADQUARTERS**

- **This Section Not Used**

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

## SECTION II - ADMINISTRATIVE DETAILS

### REPLY INSTRUCTIONS

1. This report identifies **MAJOR FINDINGS** and **MINOR FINDINGS**.

**a. MAJOR FINDINGS** are core problems and are indicated by bolded text with a pound (#) sign and alphanumeric symbol followed by the word “MAJOR FINDING” in parentheses. Bolded sub-items following the finding are part of the finding. All Major Findings are violations of documented directives, i.e., AFI, AFMCI, AFOSH, Local OIs, etc. A corrective action plan must be devised for each finding and provided to HQ AFMC for approval. A Major Finding Response Sheet for each Major Finding has been provided with this report. Forward unit replies under a single cover signed by the center Commander to HQ AFMC/LG by **23 Feb 04**. Both an electronic and a hard copy of the responses are required. A disposition on the corrective action plans will be provided by **24 Mar 04** after which a unit status report on all open items must be provided to Headquarters monthly. A corrective action plan may address more than one finding as long as all appropriate findings are clearly identified. 46 TW is also asked to assign a single point of contact as the Findings Monitor. Address any questions about this process to Capt Glen Mercier, HQ AFMC/LGM, DSN 986-2276.

**b.** Like Major Findings, **MINOR FINDINGS** are violations of documented directives. Though they must be corrected, the corrective action plans are not required to be forwarded to HQ AFMC and they can be closed at the center level.

**2. Privileged Information Markings:** Any quotes or paraphrasing of this report will be marked, “This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.”

3. **Disposition.** See AFMAN 37-139.

This is a **PRIVILEGED DOCUMENT** that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.

**FOR OFFICIAL USE ONLY**

### BEST PRACTICE CANDIDATES

1. **POC's Name:** TSgt Chang, Kenneth F.
2. **POC's Phone Number:** DSN 872-3396
3. **Name of the Process:** Weapons Academic Training
4. **Name of the Best Practice:** Weapons Academic Training Program
5. **Date Best Practice was Implemented:** January 2003
6. **Process Owner:** TSgt Kenneth F. Chang
7. **Process Owner's (or Representative's) Phone Number:** 872-3396
8. **Organization & Address (include zip code):** 46th MXG/MXWL, 107 N. Barrancas Ave., Suite 232 Eglin AFB, FL 32542-6813
9. **E-Mail Address of Process Owner (Optional):** Kenneth.chang@eglin.af.mil
10. **Summarize the Best Practice (how it works; how you measure it):**

The 46th Maintenance Group, Weapons Standardization Section, Weapons Academic Instructor developed an outstanding PowerPoint presentation to train weapons academics, explosives safety, captive missile arming and safing procedures, and supervisory post loads on the A-10, F-15A/E and block 10 – 50 F-16 aircraft. This course is designed for all 2W1X1 personnel assigned to the 46th Test Wing and DynCorp personnel assigned to the Armament Systems Flight. In addition, any aircraft crew chiefs and specialists that perform launch and/or recovery of their assigned MDS. Other units outside of the 46th Test Wing also utilize the course they have set up. Personnel assigned to the 33rd Fighter Wing and Hurlbert Field also attend the course for familiarizing 3-skill level airman to other MDS's. The course is both entertaining and informative including videos, sound effects, animation and music lasting approximately 6 hours. Another portion of the training provides an ongoing tally of the monetary value of incidents at the 46th Test Wing. This helps personnel to quantify the impact mistakes have to the Air Force.

11. **Describe the impact on process/organizational performance (results!):**

The Weapons Academic Instructor has taken an annual training requirement for all assigned 2W1X1 personnel and made it an enjoyable experience. In return, people retain more of the information presented in the class making explosives loading operations safer.

12. **Describe how this practice was qualified as being a "best practice":** Best seen to date during MSET Inspections

**Validated By:**

13. **Name:** Capt Glen A. Mercier
14. **Phone:** DSN 986-2276
15. **Organization:** HQ AFMC/LGQ

This is a **PRIVILEGED DOCUMENT** that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.

**FOR OFFICIAL USE ONLY**

1. **POC's Name:** MSgt James E. Kennedy
2. **POC's Phone Number:** 882-7722
3. **Name of the Process:** Air Force Repair Enhancement Program Database
4. **Name of the Best Practice:** Air Force Repair Enhancement Program Database
5. **Date Best Practice was Implemented:** 1 March 2002
6. **Process Owner:** MSgt James E. Kennedy
7. **Process Owner's (or Representative's) Phone Number:** 882-7722
8. **Organization & Address (include zip code):** 46 MXG/MXQG, Bldg 100 Room 320, Eglin AFB, FL 32542
9. **E-Mail Address of Process Owner (or Representative)(Optional):**  
John.Quan@eglin.af.mil

**10. Summarize the Best Practice (how it works; how you measure it):**

The 46th Maintenance Group, Air Force Repair Enhancement Program (AFREP) Section, developed a computer database program to increase the identification of consumable items (XB3/XF3) for base level or contract repair. The AFREP database cross-references data input from Automated Stock Number Database (ASNUD), and the D04, *Daily Document Register*. Once the source files are uploaded the database cross references and identifies items eligible for repair based on current and cumulative demands. Additionally, the Defense Reutilization Marketing Office (DRMO) daily worldwide turn-in list is loaded and compared to the ASNUD data which identifies assets for reutilization. Assets eligible for repair are extracted in less than 10 minutes versus 16 – 24 man hours.

**11. Describe the impact on process/organizational performance (results!):**

The database has turned manual line item searches into a “point and click” quick button search for candidate parts. The AFREP database has significantly contributed to a fiscal year 2004 cost savings and avoidance of \$109,000.

**12. Describe how this practice was qualified as being a “best practice”:** Identified during the 2003 Eglin AFB MSET Inspection.

**Validated By:**

13. **Name:** Capt Glen A. Mercier
14. **Phone:** DSN 986-2276
15. **Organization:** HQ AFMC/LGQ

This is a **PRIVILEGED DOCUMENT** that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.

**FOR OFFICIAL USE ONLY**

**SUPERIOR PERFORMERS**

<b>RANK</b>	<b>NAME</b>	<b>ORGANIZATION</b>
2Lt	MacDonald, Chris R.	46 MOS/MXOO
MSgt	Abrisch, Tracy S.	46 MXS/MXM
MSgt	Hile, Martin B.	46 MXG/MXQI
TSgt	Chang, Kenneth F.	46 MXG/MXWL
TSgt	Fraley, Christopher T.	46 AMXS/MXABS
TSgt	Lukens, Richard J.	46 MXG/MXQI
TSgt	Moffe, Charles A.	46 MXG/MXQI
TSgt	Mosier, Brian S.	46 MSG/MSWL
TSgt	O'Hara, Kirk D.	46 AMXS/MXABS
TSgt	Quan, John	46 MXG/MXQG
TSgt	Young, Gregory	46 MXG/MSWL
SSgt	Brown, Ryan J.	46 MXS/MXS
SSgt	Frey, Michael R.	46 MSX/MSMWMI
SSgt	Haze, Gabriel L.	46 AMXS/MXAROS
SSgt	Jones, Jeremiah C.	46 MXS/MXMWS
SSgt	Kleen, Richard	46 MXG/MXWL
SSgt	Lane, Michael A.	46 MXS/MWMK
SSgt	Love, Jill I.	46 MXS/MXMD
SSgt	Meer, Zeshan N.	46 MXS/MXWMPA
SSgt	Moffiet, Michael A.	46 AMXS/MSABOS
SSgt	Saucke, Bryan W.	46 AMXS/MXABA
SSgt	Spaulding, Chris R.	46 MXS/MXMD
SSgt	Szekeres, Anthony J.	46 MXS/MXMWMI
SrA	Knight, Jason L.	46 AMXS/MSAROS
SrA	Rafferty, Daniel P.	46 MXS/MXMD
SrA	Sullivan, Matthew R.	46 MXS/MXMWPA
A1C	Carr, Ryan P.	46 AMXS/MSABFC

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

A1C	Donnelly, Christopher E.	46 AMXS/MXABW
A1C	Galarza, Carlos A.	46 AMXS/MSABOB
A1C	McClain, Brunson C.	46 MXS/MXMWS
A1C	Stephen, D'von P.	46 AMXS/MXAROA
WG-12	Tomlinson, Lee E.	46 AMXS/MXABOS

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

## SUPERIOR PERFORMER TEAMS

### 46 MXG QA OFFICE

Capt Benjamin, Teresa  
2Lt Hoewt, Randal  
CMSgt LeDuc, David K.  
SMSgt Jones, Donald  
SMSgt Sincore, Roy  
MSgt Castelee, Charles T.  
MSgt Hile, Martin  
MSgt Kennedy, James  
MSgt Smith, James, Jr.  
MSgt Stacy, Steven  
TSgt Bumgardner, Brian  
TSgt Fesenbek, Richard  
TSgt Goff, David  
TSgt Helmrich, Patrick M.  
TSgt Kincaid, Dustin E.  
TSgt Kramer, Ronald M., Jr.  
TSgt Lukens, Richard J.  
TSgt Meek, Patrick D.  
TSgt Moffe, Charles  
TSgt Quan, John  
TSgt Smith, Charles, C., II  
TSgt Turzak, Ralph  
SSgt Buffington, Joseph  
SSgt Carson, Neil W.  
SSgt Trantham, David R.  
SSgt VanThuyne, David E.  
GS-11 Seigler, Ken  
GS-7 Bennett, Keith  
GS-6 Bigham, Harry

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

GS-5 Dixon, John

GS-5 Owens, Miriam

**46 AMXS UNIT TRAINING MANAGERS**

TSgt Hester, Troy J.

SSgt Blowe, Daniel H.

**46 AMXS BLUE AMU WEAPONS TEAM**

SSgt Elbert, Forest T.

SSgt Neal, Marques J.

SrA Tipp, Victor P.

SrA Tucker, Darryl S.

A1C Bachman, Alison M.

**46 AMXS RED AMU EOR INSPECTION TEAM**

TSgt Estes, Richard M.

SSgt Batten, Vandochelle P.

**46 AMXS RED AMU SUPPLY SUPPORT TEAM**

TSgt Boyd, Barbara A.

SSgt Corber, Jon C.

SSgt Meador, Kristi M.

SSgt Ribar, Kara L.

SSgt Trapp, Jason H.

GS-5 Verdell, Etherine

**46 AMXS RED AMU TRAINING TEAM**

MSgt Jenkins, Marc

MSgt Owens, Mark M.

TSgt Balkcom, James R.

TSgt Canevit, Paula R.

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**



TSgt Doerfler, Andy

TSgt Green, John

TSgt Kolker, Michael E.

TSgt Rush, Sonya D.

TSgt Schott, Kurt A.

SSgt Barlotta, Nicholas T.

SSgt Long, Mathew R.

#### **46 MOS MAINTENANCE SUPPLY LIAISON TEAM**

MSgt Hoyt, Danny

TSgt King-Hasberry, Pamela

SSgt Warren, Latasha

Amn Fox, Nachole

#### **46 MXS CMO QAE TEAM**

GS-12 Lowery, Patrick E.

GS-12 Walker, Ginger

GS-12 Wickery, Cathy

GS-11 Butler, Willie

GS-11 Gomes, Herb

GS-11 Scripture, Doug

GS-11 Vertefeuille, Jerry

GS-9 Allen, Bobby

MSgt Nearbin, Dave

TSgt Hoalt, Bill

SSgt Brown, Ryan

SSgt Dempsey, Mike

#### **46 MXS MUNITIONS FLIGHT DOCUMENT CONTROL TEAM**

TSgt Meacham, David C.

SrA Kalian, Kimberly

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

SrA Miller, John P.

Amn Meggitt, John

**46 MXS TMDE SUPPORT SECTION**

TSgt Pugliese, Frank E.

SSgt Thomas, Gerald P.

A1C Myercord, Shane M.

Mr. Thompson, Charles "Buddy"

**AIR FORCE SEEK EAGLE, MASS PROPERTIES, INDUSTRIAL SAFETY TEAM**

GS-12 Fichett, Alanson R.

GS-11 Collins, Timothy H.

GS-11 Thompson, William F.

**AIR FORCE SEEK EAGLE, MASS PROPERTIES, TOOL AND EQUIPMENT TEAM**

GS-12 Fichett, Alanson R.

GS-11 Collins, Timothy H.

GS-11 Thompson, William F.

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

## TEAM COMPOSITION

### CORE TEAM

<b>RANK</b>	<b>NAME</b>	<b>FUNCTIONAL AREA</b>
Col	Bruns, Thomas J.	MSET Chief
Capt	Mercier, Glen A.	MSET Deputy Chief
SMSgt	Henderson Mark E.	MSET Superintendent
TSgt	Dayton, Michael J.	MSET Admin

### AIRCRAFT TEAM

<b>RANK</b>	<b>NAME</b>	<b>FUNCTIONAL AREA</b>
SMSgt	Workman, David A.	Aircraft Team Lead
TSgt	Graham, Gunner S.	Dep Team Lead, Avionics, Tools, Equip (Modifications)
MSgt	Gallegos, Bernardo	TOs, Acft Forms, FCF
MSgt	Ingersoll, Guy K.	Civ Tng, Mil Tng
MSgt	McLeanDaniel A.	MX Prog, MX Super, Validation/Verification
MSgt	Mitchell, Kevin J.	Weaps, WSS
MSgt	Nepomuceno, Fotunato	P&S, MIS
TSgt	Atcher, Patrice L.	Oil Analy, FOD
TSgt	Gawan, Lori A.	Parts Management, AFREP
Mr.	Kempton, Paul R., III	Ind Safety, F/L Safety A-10 TEs
Ms.	Nyquist, Dianne C.	T-2 Modifications
Mr.	Williams, Robert M.	F-15 Evaluate/Evaluator

### ACCESSORIES TEAM

<b>RANK</b>	<b>NAME</b>	<b>FUNCTIONAL AREA</b>
MSgt	Wimberly, Ann M.	Maintenance Squadron Team Lead
MSgt	Fulkerson, Joseph C.	Dep Team Lead, MX Super, W/T
SMSgt	D'Alessandro, Warren E.	Engines Evaluate/Evaluator
SMSgt	Tinder, David R.	Fuels, Egress, Hydraulics, Hydrazine, Ind Safety

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

MSgt	Cunningham, James R.	AGE, TOs, MIS, Crash Rec
MSgt	Green, James B.	PMEL, Equip
MSgt	Henderson, Jeffrey M.	Munitions, FOD, Tools, Equip
MSgt	Mosley, Kim L.	Parts Management
MSgt	Pidgeon, David A.	Avionics, E.E, Tools
MSgt	Schuh, Matthew A.	Munitions, TO, Tng, Parts Mgt
MSgt	Schwarz, Steven S.	Props, Oil Analy, MX Prog, FOD
MSgt	Wood, Robert W., II	Munitions, Expl Safety, Ind Safety
TSgt	Valdes, Albert	Maintenance Training
Mr.	Pressnell, Charlie	FAB, Corr Cont, NDI, TO

**This is a PRIVILEGED DOCUMENT that cannot be released in whole or part to persons or agencies outside the Department of Defense, nor can it be republished in whole or part in any publication not containing this statement, including Air Force/DoD magazines and general use pamphlets, without the express approval of the Director of HQ AFMC/LG.**

**FOR OFFICIAL USE ONLY**

## **MSET ABBREVIATIONS**

AGE...Aerospace Ground Equipment  
AFI...Air Force Instruction  
AFMCI...Air Force Materiel Command Instruction  
AFOSH...Air Force Occupational Safety and Health  
AFTO...Air Force Technical Order  
AIS...Avionics Intermediate Shop  
ATOM...Automated Technical Order Management System  
ALS... Aircraft Logistics Specialist  
AWM...Awaiting Maintenance  
AREP...Aircraft Repair Enhancement Program  
CAMS...Core Automated Maintenance System  
CPR...Cardiopulmonary and Resuscitation  
CTK... Consolidated Tool Kit  
DREP...Depot Repair Enhancement Program  
EPS...Exchangeable Production System  
ESD... Electrostatic Discharge  
FCF...Functional Check Flight  
FOD...Foreign Object Damage  
IAW...In Accordance With  
ITKs...Individual Tool Kits  
IV...Isolated Violation  
MSDS...Material Safety Data Sheet

**THIS IS A PRIVILEGED DOCUMENT THAT CANNOT BE RELEASED IN WHOLE OR PART TO PERSONS OR AGENCIES  
OUTSIDE THE AIR FORCE, NOR CAN IT BE REPUBLISHED IN WHOLE OR PART IN ANY PUBLICATION NOT  
CONTAINING THIS STATEMENT, INCLUDING AIR FORCE MAGAZINES AND GENERAL USE PAMPHLETS, WITHOUT  
THE EXPRESS APPROVAL OF THE DIRECTOR OF AFMC/LG**

**FOR OFFICIAL USE ONLY**

MSET...Maintenance Standardization and Evaluation Team

NDI...Nondestructive Inspection

NIC...Not In Compliance

NSN...National Stock Number

OCR...Office of Corollary Responsibility

OI...Operating Instruction

OIC...Officer In Charge

OJT...On-The-Job-Training

OPR...Office of Primary Responsibility

PAC...Production Acceptance Certification

PACSS...Production Acceptance Certification Standard System

PE...Personnel Evaluation

PMEL...Precision Measurement Equipment Laboratory

PMI...Periodic Maintenance Inspection

QA...Quality Assurance

QAE...Quality Assurance Evaluator

QAP...Quality Assurance Plan

QVI...Quality Verification Inspection

SSQ...Special Skill Qualification

SRU...Shop Replaceable Unit

TCTO...Time Change Technical Order

TE...Task Evaluation

TK/CRL...Tool Kit Custody Receipt Listing

**THIS IS A PRIVILEGED DOCUMENT THAT CANNOT BE RELEASED IN WHOLE OR PART TO PERSONS OR AGENCIES  
OUTSIDE THE AIR FORCE, NOR CAN IT BE REPUBLISHED IN WHOLE OR PART IN ANY PUBLICATION NOT  
CONTAINING THIS STATEMENT, INCLUDING AIR FORCE MAGAZINES AND GENERAL USE PAMPHLETS, WITHOUT  
THE EXPRESS APPROVAL OF THE DIRECTOR OF AFMC/LG**

**FOR OFFICIAL USE ONLY**

HQ AFMC/LG PN 2004-01, 24 November 2003

TMDE...Test Measurement and Diagnostic Equipment

TO ...Technical Orders

TODA...Technical Order Distribution Account

TODO... Technical Order Distribution Office

TOPS...Technical Order Page Supplement

TOST Kit...Task Oriented Special Tool Kit

WCD...Work Control Document

WSSC... Weapon Systems Support Center

**THIS IS A PRIVILEGED DOCUMENT THAT CANNOT BE RELEASED IN WHOLE OR PART TO PERSONS OR AGENCIES  
OUTSIDE THE AIR FORCE, NOR CAN IT BE REPUBLISHED IN WHOLE OR PART IN ANY PUBLICATION NOT  
CONTAINING THIS STATEMENT, INCLUDING AIR FORCE MAGAZINES AND GENERAL USE PAMPHLETS, WITHOUT  
THE EXPRESS APPROVAL OF THE DIRECTOR OF AFMC/LG**

**FOR OFFICIAL USE ONLY**