

**BY ORDER OF THE COMMANDER
AIR MOBILITY COMMAND**



AIR FORCE INSTRUCTION 91-101

**AIR MOBILITY COMMAND
Supplement**

22 NOVEMBER 2006

SAFETY

**AIR FORCE NUCLEAR WEAPONS
SURETY PROGRAM**

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AFI 91-101, *Air Force Nuclear Weapons Surety Program*, 19 December 2005, is supplemented as follows. This publication applies to Air Mobility Command commanders, managers, supervisors, safety staffs, base support staffs, aircrew, and workers associated with the transport of nuclear weapons and related components. This supplement does not apply to Air National Guard or US Air Force Reserve units. The reporting requirements in this supplement are exempt from licensing in accordance with paragraph 2.11.12, AFI 33-324, *The Information Collections and Reports Management Program: Controlling Internal, Public, and Interagency Air Force Information Collections*. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with AFMAN 37-123, *Management of Records*, (will convert to AFMAN 33-363), and disposed of in accordance with the Air Force Records Disposition Schedule (RDS) located at <https://afrims.amc.af.mil/>. Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using the AF IMT 847, *Recommendation for Change of Publication*; route AF IMT 847s from the field through the appropriate functional's chain of command.

SUMMARY OF CHANGES

This publication has been completely revised and must be reviewed in its entirety. All Office symbols have been changed to the newer alpha numeric designation. References and requirements for formerly tasked units have been removed and duties are more appropriately aligned to the designated responsible party. A bar (|) indicates changes since the last edition.

1.1. **Goal.** The goal of the Air Mobility Command (AMC) Nuclear Surety Program is to ensure the safety and security of nuclear weapons while in the air transportation system and accomplishment of the special mission without incident. This goal is accomplished by a network of MAJCOM, and wing people combined with support from other DOD organizations. The Nuclear Surety Manager (NSM) must work closely, in staffing issues of joint concern, with the wing Nuclear Surety Office.

1.3. **Commander's Emphasis.** Officers being assigned to command a unit that is involved in the wing's nuclear surety program are required to attend the command's Nuclear Surety Orientation Course (NSOC) after completing the AMC Pre-Command course. OPR for the NSOC is HQ AMC/SEW.

2.3.1. HQ AMC/SEW is responsible for the command's nuclear surety program.

2.3.3. Appropriate HQ AMC staff functions ensure formal and proficiency training includes functional tasks related to AMC nuclear operations.

2.3.3.9. (Added) Nuclear Airlift Operations.

2.3.3.10. (Added) Cross-loading of nuclear and nuclear-related cargo.

2.3.7. HQ AMC OPR is A3 and A4.

2.3.8. HQ AMC OPR is IGI.

2.3.9. HQ AMC staff functions supporting the headquarters Nuclear Surety Working Group (NSWG) also support USAF Nuclear Weapons System Safety Group (NWSSG) activities, as required.

2.3.10. The diversity of the nuclear airlift mission requires a team of functional staff support. Listed below are the AMC POCs for nuclear issues:

STAFF FUNCTION	RESPONSIBILITY
A1	PERSONNEL RELIABILITY PROGRAM (PRP)
A3	PNAF OPERATIONS
A4	AIRCRAFT SELECTION and MAINTENANCE
SEW	NUCLEAR SURETY PROGRAM
SGP	MEDICAL AND PRP
TACC	AIRLIFT SCHEDULING and MISSION PLANNING

2.3.11. (Added) HQ AMC NSWG is supported by action officers from staff functions with responsibility for AMC nuclear airlift operations. The staff functions are A1, A3, A4, IG, SE, SG, and TACC. HQ AMC/SEW or designated representative is the Group's chairperson. The NSWG meets regularly to address the command's Nuclear Surety Program and PNAF operations. Responsibilities of group members are:

2.3.11.1. (Added) Assist in developing Nuclear Surety policy and procedures.

2.3.11.2. (Added) Develop and maintain checklists for the NSAV and NSI programs. HQ AMC/SEW maintains a master copy of checklists, prepares a checklist index, and distributes documents as required.

2.3.11.3. (Added) Provide functional expertise for nuclear airlift operations and support requirements.

2.3.11.4. (Added) Serve as a member of the MAJCOM NSAV team.

2.3.11.5. (Added) Support USAF NWSSG activities, as required.

2.3.12. (Added) HQ AMC Nuclear Surety Steering Committee (NSSC). The committee consists of senior officers from the same staff functions represented in the NSWG. HQ AMC/SE is the Chairperson when AMC/CV is not in attendance. The committee will meet when directed by AMC/CV or if requested by the

director of a staff function. The NSSC meets when leadership attention/involvement is needed to direct MAJCOM-level action with respect to the Nuclear Surety Program and PNAF operations.

2.3.13. (Added) HQ AMC/A3 assist in verifying aircraft technical orders related to nuclear airlift operations.

2.4.1. Nuclear surety program OPR is HQ AMC/SEW (Weapons Safety Division). Address is 510 POW-MIA Dr., Bldg. P-40E, Rm. E-113, Scott AFB IL, 62225-5020. The division can be contacted @ DSN 779-0950 or commercial 618-229-0950. Other related phone numbers are: FAX - extension 0232 and STU III - extension 0234. E-mail address is mailto: AMC-SEW@scott.af.mil.

2.4.7. The wing Nuclear Surety Manager (NSM) is trained by the MAJCOM Nuclear Surety Manager using command-developed plan.

2.4.9. (Added) Manages the Nuclear Surety Staff Assistance visit (NSAV) program and obtains funds for team travel. An NSAV is accomplished on an 18-month cycle at the request of the wing commander, with a nuclear mission or Personnel Reliability Program. The wing commander provides his written request to HQ AMC/SEW. The NSAV provides a method for ensuring the integrity of the nuclear surety program and PNAF operations. Visits dates are coordinated with the AMC/IG gatekeeper in accordance with AFI 90-201, *Inspector General Activities*. Staff functions assigned to the NSWG support the NSAV team on an as required basis.

2.4.10. (Added) Acts as MAJCOM-appointed Corrective Action Report Status (CARS) program monitor IAW AFI 90-201, paragraph 3.8. Reviews reports submitted in accordance with AFI 91-204, *Safety Investigations and Reports*, AFI 90-201, and AMCI 90-201, *The Inspection System*, for compliance and completeness of corrective actions. Staff reports with HQ AMC staff functions, as appropriate. Responses to IG or DTRA inspection reports are processed in accordance with AFI 90-201, AMCI 90-201, and instructions in the report cover letter.

2.6.12. (Added) Ensure the Nuclear Surety Program manager is not assigned additional tasks which detract from program duties and responsibilities.

2.6.13. (Added) The commander of a unit with a nuclear mission or Personnel Reliability Program should request an NSAV every 18 months.

2.7.6.4. (Added) The following subparagraphs pertain to a PNAF wing. Follow procedures outlined in AFI 31-101, *The Air Force Installation Security Program (FOUO)*, and DOD Manual 5210.41M, *Nuclear Security Manual*, Air Force and AMC Supplements, in support of nuclear security operations.

2.7.6.4.1. (Added) Ensure personnel who are certified under PRP IAW AFI 36-2104, *Nuclear Weapons Personnel Reliability Program (PRP)*, complete nuclear surety training every 15 months and successfully complete the end-of-training examination.

2.7.7. Vehicle Operations/Maintenance will inform the wing NSM of potential DULL SWORD conditions on nuclear-certified equipment. See AFI 91-204.

2.7.9. (Added) Military Equal Opportunity personnel support PRP requirements.

2.7.10. (Added) Command Post will:

2.7.10.1. (Added) Develop/Publish operating instructions (OI) and/or quick reaction checklists (QRC) IAW AMCI 10-202, Vol. 2, *Command and Control (C2) Responsibilities and Procedures*.

2.7.10.2. (Added) Ensure controllers coordinate and document required actions IAW AMC, Air Force, and JCS directives. Disseminate appropriate OPREP-3 reports, as applicable.

2.7.10.3. (Added) Ensure command and control facilities possess base regulations/plans to support nuclear support operations.

2.7.10.4. (Added) Ensure controllers are trained and knowledgeable in nuclear-support operations.

2.7.10.5. (Added) Ensure compliance with NSI criteria. See AFI 90-201.

2.7.10.6. (Added) Emphasize the importance of monitoring communications security (COMSEC) to avoid compromise and mission degradation.

2.8.4. (Added) Ensure aircraft maintenance squadrons at a PNAF wing comply with aircraft generation and selection procedures in AFI 11-299, *Nuclear Airlift Operations (FOUO)*.

2.8.5. (Added) Protect classified information to avoid mission compromise. Adhere to AFI 31-401, *Information Security Program Management*; AFI 10-701, Operations Security; AFI33-201, Communications Security; and Nuclear Weapons Security Classification Guide.

2.8.6. (Added) Appoint a Unit Nuclear Surety Representative (UNSR) to oversee the program.

2.8.7. (Added) Emphasize the importance of monitoring COMSEC to avoid a compromise of information and mission degradation.

2.8.8. (Added) Prepare operating instructions regarding the nuclear mission, as appropriate and ensure they are approved by NSM prior to use.

2.9.4. Inform them of changes to PRP, two-person concept, weapons security, and nuclear weapons system safety rules.

2.10. **Individuals.** The individual is the most important part of the nuclear surety program. Individuals must be technically competent, understand the nuclear surety aspects of their jobs, and be positively motivated and reliable.

2.11. **Wing Weapon Safety Managers.** The NSM is the commander's personal representative and the single point of contact regarding nuclear surety matters. The NSM is a coordinator and advisor to the commander and staff on nuclear surety matters. The NSM's primary responsibility of mishap prevention demands active and aggressive involvement in the daily operation of the unit. The NSM must identify programmatic, procedural or equipment problems to the responsible functional manager for resolution and assist with corrective actions, as appropriate. If a problem is significant or resolution does not appear to be timely and effective, inform the commander. The NSM at a PNAF wing is assigned to a funded position earned by application of the Air Force Manpower Standard (AFMS) for weapons safety and associated variance for nuclear surety. NOTE: The NSM can be a PNAF aircraft commander, PNAF courier, or PNAF instructor loadmaster knowledgeable of PNAF procedures. Changing the category (example: civilian, enlisted, officer) of a funded authorization is a wing option.

2.11.1.1. (Added) Since the NSM cannot be expected to be an expert in all inspected areas, consider using other knowledgeable people from the wing, squadron, etc. to assist in the inspection.

2.11.1.2. (Added) The NSM may inspect all functions in one effort or space the inspections throughout a 12-month period. If the NSM inspects all functions in one effort, the inspection should not be completed during the 90-day period following the MAJCOM NSI.

2.11.1.3. (Added) Document an annual inspection in letter format including type of inspection, date, functional area inspected, key personnel contacted/interviewed, findings, observations and recommended corrective actions (if appropriate). Route reports through the chief of safety and the wing commander to the unit commander. Track open inspection findings and provide timely status reports until closeout.

2.11.1.4. (Added) The unit annual inspection may be combined with other safety inspections required by AFI 91-202, *The US Air Force Mishap Prevention Program*.

2.11.1.5. (Added) The annual inspection must be completed by the end of the 12 month after the previous year's inspection.

2.11.2. Use inspection reports from other units to improve your program. Cross-tell the information to appropriate wing units.

2.11.4. Review changes to nuclear weapon system safety rules, Special Assignment Airlift Mission Reports (SAAMREP) and DULL SWORD reports applicable to the wing for applicable nuclear surety related issues.

2.11.6.1. (Added) Accompany the MPF PRP monitor periodically on visits to staff agencies (Military Equal Opportunity, medical and dental facilities, etc.) involved with PRP. When the NSM accompanies the MPF PRP monitor on a visit, it may be used to meet the requirements of the PRP portion of the unit annual nuclear surety inspection.

2.11.11. The review includes a periodic observation of training sessions and the lesson plan test, conducted at the squadron level. HQ AMC/SEW is the approval authority for lesson plans and test.

2.11.15. (Added) Recommend the NSM attend the Defense Threat Reduction Agency (DTRA) Nuclear Weapons Orientation Course.

2.11.16. (Added) The NSM attends MAJCOM training within 90 days of being appointed to a nuclear surety manager position. OPR for the MAJCOM training is AMC/SEW.

2.11.17. (Added) A NSM is appointed (in writing) by the wing commander.

2.11.18. (Added) Publish policy for appointing, training, and defining responsibilities of a UNSR.

2.11.19. (Added) PNAF wing requirement. The NSM will fly quarterly on a nuclear airlift mission to monitor the mission and base support operations. On two of these quarterly observations, the NSM will not be a primary crew member, but solely to observe the mission. Send a copy of the trip report to HQ AMC/SEW.

2.16.1. The wing should supplement the command nuclear surety lesson plan with local requirements. The re-test should, as a minimum, examine areas in which the individual failed to demonstrate acceptable understanding on the initial test. The re-test should be structured the same as the original test (i.e., subjective or objective). The retraining and retest should ensure an understanding of the basic concepts of nuclear surety as the original training and test. Send the lesson plan to HQ AMC/SEW for approval.

2.17.1.5. (Added) Below the MAJCOM level, a Nuclear Surety Council (NSC) is established to monitor, evaluate, and improve policies and procedures for nuclear airlift operations. A NSC is required at a PNAF wing.

2.17.1.5.1. (Added) Functions of a NSC:

2.17.1.5.1.1. (Added) Review current policies and recommend improvements.

- 2.17.1.5.1.2. (Added) Resolve or monitor resolution of subordinate unit SAAMREPs as appropriate.
- 2.17.1.5.1.3. (Added) Review applicable problems noted on other unit's SAAMREPs.
- 2.17.1.5.1.4. (Added) Review mishap reports applicable to nuclear airlift.
- 2.17.1.5.1.5. (Added) Monitor status of subordinate unit DULL SWORD reports.
- 2.17.1.5.1.6. (Added) Review AMC NSI and NSAV results.
- 2.17.1.5.1.7. (Added) Monitor preparations for a NSI.
- 2.17.1.5.2. (Added) The following functions require representation at NSC meetings:
 - 2.17.1.5.2.1. (Added) Aerial Port Operations Officer or designated representative
 - 2.17.1.5.2.2. (Added) Medical
 - 2.17.1.5.2.3. (Added) Ramp Services
 - 2.17.1.5.2.4. (Added) Logistics/Aircraft Maintenance
 - 2.17.1.5.2.5. (Added) Munitions (as required)
 - 2.17.1.5.2.6. (Added) Operations
 - 2.17.1.5.2.7. (Added) Aircrew Standardization and Evaluation
 - 2.17.1.5.2.8. (Added) Command and Control
 - 2.17.1.5.2.9. (Added) Intelligence
 - 2.17.1.5.2.10. (Added) The 4 AS Squadron Commander, Operations Officer, or designated representative. The commander should be present if available.
 - 2.17.1.5.2.11. (Added) Squadron Nuclear Airlift Monitor
 - 2.17.1.5.2.12. (Added) Personnel
 - 2.17.1.5.2.13. (Added) Safety
 - 2.17.1.5.2.14. (Added) Others deemed appropriate by the Chairperson; (e.g., Air Traffic Control, Office of Special Investigations, Plans, etc.).
- 2.17.1.5.3. (Added) A recorder should be present for all NSC meetings. Meeting minutes will be taken and include open items, OPR, and the estimated completion date for each item. Send a copy of the minutes to HQ AMC/SEW.

Attachment 1**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

AFI 10-701, *Operations Security (OPSEC)*

AFI 11-299, *Nuclear Airlift Operations*

AFI 31-101, *The Air Force Installation Security Program*

AFI 33-201V2, *Communications*

AFI 91-202, *The US Air Force Mishap Prevention Program*

AMCI 90-201, *The Inspection System*

AMCI 10-202 Vol 2, *Command and Control (C2) Responsibilities and Procedures*

Abbreviations and Acronyms

C2—Command and Control

CARS—Corrective Action Report Status

COMSEC—Communications Security

DCG—Disaster Control Group

DRF—Disaster Response Force

DTRA—Defense Threat Reduction Agency

EET—Exercise Evaluation Team

NSAV—Nuclear Surety Staff Assistance Visit

NSC—Nuclear Surety Council

NSSC—Nuclear Surety Steering Committee

NSM—Nuclear Surety Manager

NSOC—Nuclear Surety Orientation Course

NSWG—Nuclear Surety Working Group

NWSSG—Nuclear Weapons System Safety Group

OI—Operating Instruction

OPSEC—Operational Security

QRC—Quick Reaction Checklist

SAAMREP—Special Assignment Airlift Mission Report

TACC—Tanker Airlift Control Center (18 Air Force)

UNSR—Unit Nuclear Surety Representative

Terms

Nuclear Surety Manager (NSM)—As used in this supplement, the term NSM identifies individuals performing nuclear surety functions as a primary duty at AMC headquarters and wing-level.

Unit Nuclear Surety Representative (UNSR)—As used in this supplement, the term UNSR identifies an individual responsible for many of the nuclear surety program requirements at the group and squadron level.

Nuclear Surety Orientation Course (NSOC)—A course designed to give new squadron commanders an overview of the nuclear surety program. The course is tailored to the AMC mission and provides commanders information and tools necessary to have a successful program.

Nuclear Surety Staff Assistance Visit (NSAV)—The purpose of the NSAV is to explore nuclear surety program improvements. This is an evaluation not an inspection by MAJCOM. It is requested by the wing commander every 18 months, which is midway between nuclear surety inspections. It is a collaborative process tailored to review a unit's nuclear mission and nuclear surety program.

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