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Maintenance

IN PROGRESS INSPECTION (IPI)

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction implements AFD 21-1, *Managing Aerospace Equipment Maintenance*. It establishes local procedures for implementing the 18th Wing's IPI Program as outlined in PACAFI 21-101, *Objective Wing Aircraft Maintenance*. It applies to 18th Wing and associate units at Kadena AB. This publication does not apply to the Air National Guard or US Air Force Reserve.

1. General: IPIs are local management tools used to ensure quality maintenance. IPI requirements will be established as prescribed in TO 00-20-1, *Preventive Maintenance Program General Policy Requirements and Procedures* and PACAFI 21-101. IPIs are performed by designated workcenter personnel who are entered in Core Automated Maintenance System (CAMS) under the applicable course codes. IPIs will be accomplished during the assembly or reassembly of an item at those stages where further assembly would prevent the required inspection of the item. A work center event narrative in CAMS is required for IPIs.

2. Procedures:

2.1. Squadron maintenance officers (SMO) will:

2.1.1. Coordinate with the appropriate work center supervisors to determine maintenance tasks for systems, subsystems, and components that require IPIs.

2.1.2. Ensure that 100 percent of all required inspections are accomplished by qualified production inspectors.

2.1.3. Submit any changes to the list of maintenance tasks that require IPIs to 18 OG Quality Assurance (QA). The list will include the work unit code, nomenclature, specific task, job guide, page, paragraph, step, and table (if applicable).

2.1.4. Coordinate an annual internal review of the unit's current IPI listing. Review suggested changes with 18 OG/QA. The master IPI listing will be updated annually by 18 OG/QA to add or

delete items as required. The group commanders are the final approving authority for additions or deletions to the IPI listing. A copy of the IPI listing will be maintained in each set of aircraft forms binders.

2.2. Maintenance staff agencies will coordinate with the appropriate SMO before submitting proposed changes to the master IPI listing.

2.3. Technicians will:

2.3.1. Document IPIs in accordance with PACAFI 21-101, *Objective Wing Aircraft Maintenance*, and the following paragraph.

2.3.2. Documenting the IPI. All tasks requiring an IPI will be entered on a "Red X" in the AFTO Form 781A, AFTO Form 244, or appropriate work document. Document engine off-equipment IPIs in the engine work folder. Enter the statement "IPI required at step (number)" in the effected discrepancy block of the work document and the workcenter event (WCE) narrative in CAMS. The person accomplishing the task is responsible for notifying the IPI certifier at the appropriate step. The certifier will comply with the IPI and document their work by entering a statement "IPI complied with," and their signature, employee number and rank next to that statement in the corrective action block of the work document and CAMS. The production inspector who ultimately clears the "Red X" will ensure the IPI was completed and documented.

2.4. The 18th Maintenance Squadron will:

2.4.1. Maintain a current list of applicable IPIs by type aircraft.

2.4.2. Maintain listings applicable to respective work centers.

2.5. Additions and deletions to the IPI list will be consolidated by 18 OG/QA for the 18 OG and by 18 LG/QA for the 18 LG.

2.6. Consolidated IPI listings will be approved by the 18 OG/CC for the 18 OG and by the 18 LG/CC for the 18 LG, under a separate cover sheet as required.

JAMES B. SMITH, Brigadier General, USAF
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