



UNITED STATES MARINE CORPS
MARINE CORPS AIR STATION
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StaO 4790.19
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11 DEC 1990

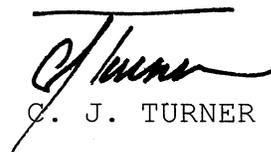
STATION ORDER 4790.19

From: Commanding Officer
To: Distribution List

Subj: NON-DESTRUCTIVE INSPECTION (NDI) REQUIREMENTS

Ref: (a) OPNAVINST 4790.2G
(b) NAVAIR 01-1A-16

1. Purpose. To set forth policies and procedures for obtaining NDI when applicable.
2. Background. NDI is the practice of evaluating a component or sample of material without impairing its usefulness. The methods used in Naval Aviation include, but are not limited to, visual or optical, liquid penetrant, magnetic particle, eddy current, ultrasonic, radiographic, and spectrometric oil analysis. These methods are those, which may be applied to a structure or component to determine its integrity, composition, dimensions, and properties such as physical, electrical, or thermal, without changing any of the characteristics.
3. Action/Responsibilities. When a NDI is needed, Maintenance Control will ensure that the assistance is requested from the supporting Intermediate Maintenance Activity (IMA) for the performance of all NDI tasks. If the NDI task is part of a Phase/Special Inspection, the NDI Division at Aircraft Intermediate Maintenance Department (AIMD) will be notified in advance via the Monthly Maintenance Plan. All components to be inspected shall be removed from the aircraft, properly packaged and sent to AIMD if possible. If it is not possible, arrangements will be made to perform the inspection while the component is installed on the aircraft. The maintenance work center requesting the NDI, will ensure components are properly prepared prior to the inspection being conducted. Maintenance administration will ensure all appropriate logbook entries are annotated in Aircraft/Engine Logbooks.


C. J. TURNER

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