



MASTER DIRECTIVES

UNITED STATES MARINE CORPS

MARINE AIRCRAFT GROUP 12
1ST MARINE AIRCRAFT WING, MARFORPAC
UNIT 37150
FPO AP 96603-7150

GruO 4790.15

DSS

4 JUN 2001

GROUP ORDER 4790.15

From: Commanding Officer, Marine Aircraft Group-12

To: Distribution List

Subj: THINGS FALLING OFF AIRCRAFT (TFOA) PREVENTION/AWARENESS PROGRAM

Ref: (a) OPNAVINST 4790.2G
(b) OPNAVINST 3750.6R
(c) WgO 4790.15

1. Purpose. To establish a program to promote awareness of incidents of Things Falling Off Aircraft (TFOA) and prevent these incidents from occurring.

2. Background. TFOA has been identified as a special aviation hazard with two categories of cause: (1) material failure, engineering, and design deficiencies, (2) human error. The majority of TFOA incidents can be attributed to material failure, engineering, and design deficiencies. It is incumbent of all personnel responsible for aircraft maintenance management within MAG 12 to eliminate the human error aspect of TFOA, and to ensure the proper documentation of all TFOA incidents in order to correctly identify and eradicate material, engineering, and design deficiencies.

3. Information. The TFOA prevention/awareness program is established in conjunction with the requirements set forth in the references. TFOA incidents caused by maintenance, material engineering, and design deficiencies shall be reported in a Hazardous Material Report (HMR) per reference (a). Consideration should be given for the release of a HAZREP IAW with reference (b). Additionally, reference (b) should be consulted to ensure all TFOA incidents caused by Human/Air Crew error does not require an Aircraft Mishap Report.

4. Action

a. MAG-12 Department of Safety and Standardization. Shall monitor TFOA incidents to identify trends as they impact aviation

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safety, particularly those caused by human error, utilizing squadron generated Operational Risk Management (ORM) analysis of each TFOA incident.

b. MALS-12

(1) Shall establish and monitor polices, procedures and responsibilities for the standardization of an effective TFOA prevention program for MAG-12.

(2) Shall assign a TFOA Program SNCO who shall coordinate with all O-level TFOA program managers, on all TFOA issues. Additionally, the TFOA Program SNCO shall monitor TFOA incidents within the Marine Aircraft Group and shall maintain a consolidated watch list of TFOA prone areas by aircraft type/model/series.

(3) In conjunction with the MALS Aircraft Material Condition Inspection Program/Pre-Deployment evaluation, establish an aircraft inspection process to ensure concentrated efforts towards areas prone to TFOA incidents, to include evaluation of fastener control, corrosion control, and general condition of the aircraft.

(4) On a quarterly basis, conduct a trend analysis on all TFOA occurrences. Include analysis and recommendations from the Group quarterly safety meetings (which will be attended by all squadron TFOA SNCO/Squadron Safety Officers). Provide these results/recommendations to the 1st MAW TFOA SNCO (ALD-B).

c. Aircraft Squadron Commanding Officer

(1) Shall assign a TFOA Program SNCO from within the Aircraft Maintenance Department who shall coordinate with the MALS TFOA SNCO on all TFOA issues, ensure NAMP-related TFOA incidents are reported per reference (a) Volume 5, Chapter 10, and maintain TFOA watch list for squadron aircraft containing items documented as TFOA-prone. This list will be utilized as a training aid and to highlight critical areas during aircraft inspection.

(2) Establish a TFOA Training program, which shall encompass the following:

(a) An indoctrination brief shall be given to all assigned aircrew and maintenance personnel upon check-in and at least semi-annually thereafter.

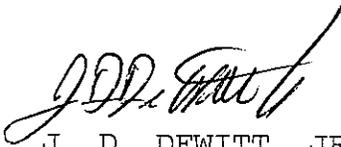
(b) Lesson guides shall be developed in which the content will include, but will not be limited to, the following: watch list items, reporting procedures, types of prevention, awareness, panel integrity, and fastener torquing procedures.

(c) TFOA training shall be integrated into the Plane Captains Certification Program and Collateral Duty Inspector/Collateral Duty Quality Assurance Representative/Quality Assurance Representative training syllabi.

(d) TFOA awareness training will also be included in recurring pilot/aircrew training.

(3) On a quarterly basis, conduct a trend analysis on all TFOA occurrences. Include analysis and recommendations at the Group quarterly safety meetings (the TFOA Program SNCO and Squadron Safety Officer will be in attendance).

(4) Submit an ORM analysis, for each TFOA incident, to include measures taken to prevent future occurrences. ORM analysis shall be due to MAG-12 DOSS within 5 working days of each TFOA incident.


J. D. DEWITT, JR.

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