

International Maintenance Review Board Policy Board (IMRBPB)
Issue Paper (IP)

Date: Nov 17, 2008

IP Number: IP 103

Revision / Date:-

Title: Redefinition of FD analysis in the MSG-3

Submitter: Embraer

Issue: FD analysis methodology should be updated in the MSG-3 to reflect the industry understanding that the MSG3-related activity of the FD analysis should only deal with the maintainability/feasibility evaluation of the Damage Tolerance Analysis results. The FD requirements couldn't be exclusively derived by a rating system, as currently described in the methodology.

Problem: Current version of Structures MSG-3 methodology includes a Fatigue Damage (FD) analysis that should be performed by means of a rating system.
It is common sense in the industry that Damage Tolerance Analysis is the most appropriate mean to assess Fatigue Damage and its results evaluated in terms of maintainability/feasibility should be the only scope of the MSG-3 analysis.
A rating system, as part of the FD analysis, should only be used to assess the detectability of the damages.

Recommendation (including Implementation):

Revise MSG-3 methodology Section 2-4 to redefine FD analysis as a maintainability/feasibility evaluation of the DTA results.. (See proposal attached)

IMRBPB Position:

Date: 03/04/2009

Position: Proposal called "IP92and103combined final version" in attachment agreed

Status of Issue Paper (when closed state the closure date): Closed on April the 4tr, 2009

Recommendation Implementation:

Agreed text to be implemented in MSG 3 revision 2009

Important Note: The IMRBPB positions are not policy. Positions become policy only when the policy is issued formally by the appropriate National Aviation Authority. (EASA, JAA, FAA, or TCCA)