

## 4. Safety Recommendations

- 4.1 When an aircraft has been certificated against failsafe criteria, those portions of structure considered significant in the failsafe design should be identified in the approved inspection schedule and their relative importance defined.
- 4.2 Defects involving the structure identified in recommendation 1 should be reported to the manufacturer and airworthiness authority to enable a "fleet picture" to be developed and appropriate action to be taken.
- 4.3 When an aircraft design has evolved significantly, a critical assessment should be made by the Certification Authority in association with the manufacturer as to the validity of extrapolation of the original design data when applied to a developed aircraft variant.
- 4.4 After an aircraft type has been established in service for some years a searching "mid-life" review should be carried out by the manufacturer to the satisfaction of the Certification Authority when all aspects of the aircraft's structural performance should be studied in the light of fleet service experience and current design knowledge.

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