

NAFLIC

National Association For Leisure Industry Certification

Standards & Related Documents Committee

TECHNICAL BULLETIN - JULY 2005

292. Venturer Simulator Cracking

MDB Testing have reported to us that they have identified cracking on the main A and Y frames on a Venturer Simulator.

We note that this is not a new issue with these devices, as the limited design lives have been identified by at least one Design Review inspection body in the past, and Thorough Examination inspection bodies have subsequently found fatigue cracks. However, we do not appear to have issued a Technical Bulletin on this subject although we have previously (September 1996) issued TB 137, about A frame cracking, on Flight Avionics Ltd Stealth Series simulators.

MDB Testing described the two affected regions :-

- the fabricated assembly on the top of the A frame which is held in place by 6 bolts; and
- in the Y frame where it goes from two arms into one.

Controllers should be aware of the need for an NDT schedule for these devices.

Committee Members :- Dr Garry Fawcett MBE (Chairman), Mr Richard Barnes, Mr Peter Smith,
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