

2003 DOD MAINTENANCE SYMPOSIUM

Supporting Combat Operations Panel Discussion

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SUPPORTING OPERATIONS

CAPABILITY: inherent reliability/maintainability of equipment resulting from design and/or upgrade/modification

COMPETENCE: training, skills, experience, tools, time, and facility accessed by those responsible for equipment availability

CACHE: materiel, information, technical resources available on-scene for repair to serviceability

CANNIBALIZATION: equipment appropriation method to allow repair to serviceability when distribution plan fails



COMMERCIAL AIRLINER CAPABILITY

New generation aircraft are capable of 99% , or better, mechanical reliability as a result of inherent design and built-in redundancy.

Airlines operate that equipment at 97% to 99.9% mechanical dispatch reliability based on their maintenance and operations procedures/policies, utilization*, mechanic proficiency level, spares resourcing, maintenance opportunities and labor environment.

A320 family operational reliability:

Last 12 months (Aug 02 -Jul 03): 99.2 %

Jul 2003: 99.3 %

*Typical utilization is 9-11 hours/day (SA) and 9-18 hours/day (LR)