

**Aviation Safety Investigation Report
199500974**

**Boeing Co
B767**

27 March 1995

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Investigations commenced on or before 30 June 2003, including the publication of reports as a result of those investigations, are authorised by the Executive Director of the Bureau in accordance with Part 2A of the Air Navigation Act 1920.

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NOTE: All air safety occurrences reported to the ATSB are categorised and recorded. For a detailed explanation on Category definitions please refer to the ATSB website at www.atsb.gov.au.

The Bureau did not conduct an on scene investigation of this occurrence. The information presented below was obtained from information supplied to the Bureau.

Occurrence Number:	199500974	Occurrence Type:	Incident
Location:	18km N Canberra		
State:	ACT	Inv Category:	4
Date:	Monday 27 March 1995		
Time:	0940 hours	Time Zone	EST
Highest Injury Level:	None		
Aircraft Manufacturer:	Boeing Co		
Aircraft Model:	767-277		
Aircraft Registration:	VH-RMH	Serial Number:	22696
Type of Operation:	Air Transport Domestic High Capacity Passenger Scheduled		
Damage to Aircraft:	Nil		
Departure Point:	Sydney NSW		
Departure Time:	0924 EST		
Destination:	Melbourne VIC		

Approved for Release: Friday, July 21, 1995

Whilst on climb to FL410 the pilot requested a descent to FL270 due to a minor engine problem. A short time later the pilot advised he was shutting down the left engine and requested a return to Sydney for a priority landing. He also requested the aerodrome fire service to be placed on standby. The aircraft subsequently landed without further incident.

It was later determined that the engine had suffered a 1st stage turbine blade failure. A metalurgical report subsequently determined that the failure was caused by fatigue crack growth which initiated from a stress concentrator in one of the blade cooling passages. It appeared that the stress concentrator was created during blade manufacture.