



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

**MINISTRY OF TRANSPORT AND COMMUNICATIONS
CIVIL AVIATION DEPARTMENT**

Male'
Republic of Maldives

AIRWORTHINESS DIRECTIVE

No. CAD/DHC-8/2R1
7th September 1997

APPLICABILITY

DHC-8 aircraft
Models 102, 103, 106, 201, **202**, 301, 311, 314 and 315
Serial Numbers 3 through 472.

SUBJECT

Simultaneous flagging of both attitude and heading reference systems (AHRS) in-flight.

REFERENCE

Transport Canada AD CF-97-01R2 dated 13th August 1997 and De Havilland SB A8-34-117, Revision C dated 14th February 1997 (or later revisions, as appropriate).

REASONS

It has been reported that an in-flight incident in which the attitude and heading were simultaneously flagged at both pilot's and co-pilot's primary flight instruments. The cause of the problem was identified as a faulty terminal block to which the grounds for both attitude and heading reference systems (AHRS) are located.

ACTION AND COMPLIANCE

To minimise the probability of simultaneous failure of both AHRSS, install deHavilland Modification 8/2710 (Installation of separate grounds for number 1 and 2 AHRS). Instructions for incorporating Modification 8/2710 are detailed in deHavilland SB No. A8-34-117. Compliance is required within 400 hours flight time after the effective date of this directive, unless already accomplished.

EFFECTIVITY

This revision supersedes AD no. CAD/DHC-8/2 issued 19th March 1997.
This directive retains the 19th March 1997 as the effective date of CAD/DHC-8/2.

Mahmood Razee
DIRECTOR OF CIVIL AVIATION