

	<b>REPUBLIC OF SOUTH AFRICA</b>  <b>CIVIL AVIATION AUTHORITY</b>	CAA Private Bag x08 Waterkloof 0145
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**OPERATION OF AIRCRAFT**

**NAVIGATION AND LANDING AIDS**

**LOCALIZER FALSE COURSE**

- ∆ Indicates changes.
- ∆ This AIC replaces AIC 25A8 dated 99-09-15.
- 1. Localizer false captures may occur when the pilot prematurely selects APPROACH MODE from either HDG or L NAV MODE. Some ILS receivers produce lower than expected course deviation outputs in the presence of high modulation levels of the localizer radial signals.
- 2. This can occur even when both the ground transmitter and the airborne receiver meet their respective performance requirements. The reduced course deviation can, in turn, trigger a false course capture in the Automatic Flight Control System. False course captures can occur at azimuths anywhere from 8° to 35°, but are most likely to occur in the vicinity of 8° to 12° azimuth from the published localizer course.
- ∆3. In order to minimise the possibility of a false course capture during an ILS approach, pilots should cross check data sources to ensure that the aircraft is on the correct localizer course prior to initiating a coupled approach.

**COMMISSIONER FOR CIVIL AVIATION**