

Subject: BOMBARDIER - CL600 2B19 registered SE-DUX, on 07/01/2016, at Oajevágge, Norrbotten County, Sweden

Reply to Safety Recommendation SWED-2016-005 received on 12/12/2016

Safety Recommendation:	Ensure that the design criteria of PFD units are improved in such a way that pertinent cautions are not removed during unusual attitude or declutter modes. [RL 2016:11 R3]
Intermediate response:	<p>Pitch miscompare flags are implemented in Primary Flight Displays (PFD) to mitigate the effect of misleading attitude indication. The intent of the certification requirements for PFD is that miscompare flags are not removed in unusual attitudes or declutter modes.</p> <p>EASA has carried out an analysis of the design criteria for PFD units in coordination with the primary certification authority for the subject aircraft (Transport Canada Civil Aviation) and the Federal Aviation Administration. The data indicates that there is no systemic issue caused by the current system safety guidance, and in particular, the guidance concerning the display of misleading attitude information and other such primary flight information.</p> <p>Nevertheless, EASA intends to provide additional guidance to indicate that the failure message, flag, or comparative monitoring alert for any fault that can contribute to, or cause, misleading presentations of primary flight information, should remain on the PFD or in the primary field of view during modes of declutter, where they may be otherwise masked or removed.</p> <p>The Agency has also reviewed the other EASA certified designs, and has found that, in a few models, the current design is such that certain miscompare flags are removed in declutter modes. EASA intends to assess if, for those few models, any design or procedural improvement is feasible.</p>
EASA Status:	Open

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