


EASA	EMERGENCY AIRWORTHINESS DIRECTIVE
	AD N°: 2004-0010 (ERJ 170-100) Issued 23 December 2004

No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive unless otherwise agreed with the Authority of the State of Registry.

Type Approval Holder's Name: Embraer – Empress Brasileira de Aeronáutica S.A	Type/Model designation(s) Embraer 170-100
TCDS Number: IM.A.001	

ATA 31 – Indicating/Warning System – Operating procedures and Flight Manual Limitations
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Manufacturer(s):	Embraer – Empress Brasileira de Aeronáutica S.A
Applicability:	All Embraer 170-100 aircraft
Reason:	In the case of an EPIC avionics system failure, blanking of all primary and secondary pilots display units and loss of Autopilot and associated functions may occur. This is not in accordance with the Type Certification basis and is considered to represent a potential unsafe condition. CTA are to raise an Airworthiness Directive to embody the modification in Service Bulletin SB 170-31-0002 which addresses this issue. Until the reference modification is embodied additional operational limitations are considered necessary to mitigate against the risk of an EPIC system failure occurring in low visibility conditions during take-off or landing operations.
Approval number, date	2004-12535 23 December 2004
Effective Date:	27 December 2004
Compliance:	Within 72 hours of the effective date of this AD accomplish the following:

	<p>a) Insert Embraer Operational Bulletin 170-011/04 dated December 14 2004 into the Aircraft Flight Manual (Embraer AFM-1479) Emergency and Abnormal Procedures Section 4.</p> <p>b) The following operational limitations must be inserted in the Aircraft Flight Manual. (This can be achieved by inserting a copy of this AD in the AFM Limitations Section).</p> <p>1) Minimum approach Decision Height (DH): 500ft Above Runway Threshold Elevation (ARTE).</p> <p>2) Take-off in Runway Visual Range (RVR) below 600 metres is prohibited.</p> <p>Note: Embodiment of the Embraer modification in Service Bulletin SB 170-31-0002 is a terminating action for this AD and the limitations imposed by para a) and b) can be removed.</p>
<p>Ref. Publications:</p>	<p>Embraer Operational Bulletin 170-011/04 can be obtained from: Embraer – Empress Brasileira de Aeronáutica S.A, Av. Brigaderio Faria Lima, 2170- CEP 12227-901, S.J. dos Campos, Brasil. Tel: +(5512)3927-1706, Fax: +(55 12) 3927-2477, e-mail: opereng@embraer.com.br</p>
<p>Remarks</p>	<p>Enquiries regarding this Airworthiness Directive should be referred to Mr. Paul van Daalen, EASA Airworthiness Directives Focal Point – Certification Directorate. e-mail: Paul.van-daalen@easa.eu.int Address: European Aviation Safety Agency Postfach 101253 D-50452 Koln, Germany</p>