

# PŘÍKAZ K ZACHOVÁNÍ LETOVÉ ZPŮSOBILOSTI

CAA-AD-076/2002

Datum vydání: 17. července 2002

## LETADLOVÉ ZAŘÍZENÍ - POČÍTAČ VZDUŠNÝCH ÚDAJŮ (ADC) - KONTROLA/VÝMĚNA

**Týká se:** počítačů vzdušných údajů (ADC) vyrobených firmou Rockwell Collins, Inc. ADC-85, ADC-85A, ADC-850D a ADC-850F, jak je blíže specifikováno v části "Affected" FAA AD 2002-14-19 (příloha tohoto PZZ).

**Důvod vydání:** zabránit neoprávněnému zobrazení praporku ADC při přepínání zdrojů statického tlaku, což může ve svém důsledku způsobit nebezpečný provozní stav.

**Datum účinnosti:** 05. září 2002

**Provést v termínech:** Jak je popsáno v FAA AD 2002-14-19, od data účinnosti tohoto PZZ.

**Postup provedení prací:** Dle FAA AD 2002-14-19.

*Poznámky: Provedení tohoto PZZ musí být zapsáno do letadlové knihy. Případné dotazy týkající se tohoto PZZ adresujte na ÚCL sekce technická - Ing. Kračmer. Pokud to vyžaduje povaha tohoto PZZ, musí být zpracován do příslušné části dokumentace pro obsluhu, údržbu a opravy letadla. Tento PZZ byl vypracován na základě FAA AD 2002-14-19.*

**Ing. Pavel MATOUŠEK**  
**Ředitel sekce technické**  
**Úřad pro civilní letectví**

**2002-14-19 Rockwell Collins, Inc.:** Amendment 39-12819; Docket No. 2000-CE-14-AD.

(a) *What airplanes are affected by this AD?* This AD affects the following Rockwell Collins air data computers (ADC) that are installed in, but not limited to the airplanes that are listed below:

(1) Affected ADC's:

Unit	Collins part no. (CPN)	Applicable to serial no.
ADC-85 (Incorporating Rockwell Collins Service Bulletin No. 58)	622-8051-002 622-8051-003	All units.
ADC-85A (Incorporating Rockwell Collins Service Bulletin No. 58)	822-0370-113 822-0370-123 822-0370-139 822-0370-404 822-0370-408	All units.
ADC-850D (Incorporating Rockwell Collins Service Bulletin No. 58) ...	822-0389-133	All up to and including 3DGW (except for 1P6D, 22RC-22RF, and 23WK-3DGP).
ADC-850F	822-1036-406 822-1036-418	All Units.

(2) List of airplanes where the affected ADC could be installed. This is not a comprehensive list and airplanes not on this list that have the ADC installed through field approval or other methods are still affected by this AD:

Unit	Airplane model
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ADC-85/ADC-85A	Astra AIA. Chinese Y7 and Y8. Czech LET-610. DC-8. Falcon 20F. Piaggio P-180. Raytheon B200, B300, C90A and 1900D.
ADC-850D	Lear 60.
ADC-850F	Falcon 20, 50, and 50EX.

(b) *Who must comply with this AD?* Anyone who wishes to operate any airplane that uses one of the above referenced Rockwell Collins air data computers must comply with this AD.

(c) *What problem does this AD address?* The actions specified by this AD are intended to prevent an unwarranted display of the ADC flag when switching static air sources. This could cause the flight crew to react to this incorrect flight information and possibly result in an unsafe operating condition.

(d) *What actions must I accomplish to address this problem?* To address this problem, you must accomplish the following:

Actions	Compliance	Procedures
(1) Perform the following, unless already accomplished:  (i) Remove any affected ADC from the airplanes.  (ii) As applicable, replace or reprogram parts or circuit card assemblies on central processing unit (CPU) circuit cards.  (iii) Test the ADC.  (iv) Install the modified ADC in the airplanes.	Within the next 12 calendar months after August 23, 2002 (the effective date of this AD).	In accordance with Rockwell Collins Service Bulletin No. 62, Revision No. 2, ADC-85/85A/850C/850D/850E/850F-34-62), Revision No. 2, dated March 7, 2000, or Service Bulletin No. 62, dated October 25, 1999, as applicable, the applicable Collins Computer Component Maintenance Manual, and Collins Avionics Standard Shop Practices Instruction Manual.
(2) Do not install on any airplane one of the affected ADCs unless the modification and test required by paragraphs (d)(1)(ii) and (d)(1)(iii) of this AD are accomplished	As of August 23, 2002 (the Service date of this AD).	In accordance with Rockwell Collins Service Bulletin No. 62, Revision No. 2, ADC-85/85A/850C/850D/850E/850F-34-62, dated March 7, 2000, or Service Bulletin No. 62, dated October 25, 1999, as applicable.

**Note 1:** Rockwell Collins Operator Bulletin 99-7, dated August 1999, contains information about an operational placard to install until accomplishment of the actions of this AD. While not necessary to address the unsafe condition in this AD, FAA highly recommends that you incorporate this placard.

(e) *Can I comply with this AD in any other way?* You may use an alternative method of compliance or adjust the compliance time if:

(1) Your alternative method of compliance provides an equivalent level of safety; and

(2) The Manager, Wichita Aircraft Certification Office (ACO), approves your alternative. Submit your request through an FAA Principal Maintenance Inspector, who may add comments and then send it to the Manager, Wichita ACO.

**Note 2:** This AD applies to each airplane identified in paragraph (a) of this AD, regardless of whether it has been modified, altered, or repaired in the area subject to the requirements of this AD. For airplanes that have been modified, altered, or repaired so that the performance of the requirements of this AD is affected, the owner/operator must request approval for an alternative method of compliance in accordance with paragraph (e) of this AD. The request should include an assessment of the effect of the modification, alteration, or repair on the unsafe condition addressed by this AD; and, if you have not eliminated the unsafe condition, specific actions you propose to address it.

(f) *Where can I get information about any already-approved alternative methods of compliance?* Contact Roger A. Souter, FAA, Wichita Aircraft Certification Office (ACO), 1801 Airport Road, Room 100, Wichita, Kansas 67209; telephone: (316) 946-4134; facsimile: (316) 946-4407, E-mail: [Roger.Souter@faa.gov](mailto:Roger.Souter@faa.gov).

(g) *What if I need to fly the airplane to another location to comply with this AD?* The FAA can issue a special flight permit under sections 21.197 and 21.199 of the Federal Aviation Regulations (14 CFR 21.197 and 21.199) to operate your airplane to a location where you can accomplish the requirements of this AD.

(h) *Are any service bulletins incorporated into this AD by reference?* Actions required by this AD must be done in accordance with Rockwell Collins Service Bulletin No. 62, Revision No. 2, ADC-85/85A/850C/850D/850E/850F-34-62, dated March 7, 2000, or Rockwell Collins Service Bulletin No. 62, ADC-85/85A/850C/850F-34-62, dated October 25, 1999. The Director of the Federal Register approved this incorporation by reference under 5 U.S.C. 552(a) and 1 CFR part 51. You may get copies from Rockwell Collins, Business and Regional Systems, 400 Collins Road Northeast, Cedar Rapids, Iowa 52498. You may view copies at the FAA, Central Region, Office of the Regional Counsel, 901 Locust, Room 506, Kansas City, Missouri, or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

(i) *When does this amendment become effective ?* This amendment becomes effective on August 23, 2002.