



U.S. Department
of Transportation

**Federal Aviation
Administration**

Memorandum

Subject: **ACTION:** Equivalent Level of Safety, SIAI
Marchetti S211A, 14 CFR Part 23, § 23.777(f)(1);
Cockpit Controls; Finding No. ACE-95-6

Date:

APR 06 1995

From: Manager, Standards Office, ACE-110

Reply to
Attn. of:

To: Manager, Small Airplane Directorate, ACE-100

This memo documents concurrence with an equivalent level of safety to the requirements of 14 CFR Part 23, § 23.777(f)(1).

BACKGROUND:

The SIAI Marchetti Model S211A is a two-place (tandem), all metal, mid-wing cantilevered, retractable gear, pressurized, single turbofan engine airplane with a maximum weight of 6,394 pounds intended for specialized military (public aircraft) operations as a Part 23 airplane in the Acrobatic Category. SIAI Marchetti, with the S211A, is competing for the Joint Primary Aircraft Training System (JPATS) contract. The S211A is equipped with Martin Baker MK-10 ejection seats.

APPLICABLE REGULATIONS:

Section 23.777(f)(1) contains requirements for wing flap controls. It states that the controls must be located centrally, or to the right of the pedestal or powerplant control centerline.

DISCUSSION:

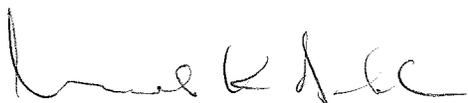
The SIAI Marchetti S211A flap control location meets the requirements of paragraph 5.1.11, Landing Flap Control, of Military Handbook MIL-STD-203G. In addition, the flap control is protected against inadvertent actuation by a separating plate between it and the power control lever.

FAA'S POSITION:

The FAA finds that because of the unique nature of this airplane, MIL-STD-203G for the Landing Flap Control provides an equivalent level of safety to the original intention of § 23.777(f)(1).

The certification basis for the Model S211A will include this equivalent level of safety finding.

CONCURRED BY:



4/6/95

Manager, Standards Office, ACE-110

Date

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4/6/95

Manager, Small Airplane Directorate
Aircraft Certification Service, ACE-100

Date

ACE