EMBRAER BANDEIRANTE (EMB 110)

Accessories Required For Smokejumping:

Primary Vertical Anchor: MEDC-732- Vertical Anchor Cable for Bandeirante*

*An identical anchor to MTDC-732 can be provided as an Embraer factory installation. This anchor is shown on Embraer drawing 110K1-948-11-05 (6 sheets, No Rev.)

STC Strength: 2,000 pounds
STC #: SA1577NM

Secondary Horizontal Anchor: The approved anchor is an Embraer design that is available as an Embraer factory option. This anchor is shown on Embraer drawings:

- Sheet 1 of 3, 110K1-948-10 Rev.N
- Sheet 2 of 3, 110K1-948-10 Rev.N
- Sheet 3 of 3, 110K1-948-10 Rev.L

Strength: 750 pounds
STC #: NA (Factory Installation)

Floor Platform & Handrails, Jump Step & Attachment: MEDC-739- Floor, Platform & Smokejumper Step & Bracket for Bandeirante Aircraft
22 January 1985

018/TA/84-MH

U.S. Forest Service
Equipment Development Center
Building 1
Fort Missoula
Missoula, Montana 59801

Attn: Dave Pearce

Dear Mr. Pearce,

Please find enclosed nine (9) sets of blueprints, pertaining to modification of Embraer EMB 110 aircraft, to a smokejump configured aircraft.

Blueprints are numerically identified as follow:

1 of 3 Sistema para salto de paraquedistas 110K1-948-10 Rev.N
2 of 3 Sistema para salto de paraquedistas 110K1-948-10 Rev.N
3 of 3 Sistema para salto de paraquedistas 110K1-948-10 Rev.L
1 of 6 Cabo Vertical Installation 110K1-948-11-05 No Rev.
2 of 6 Cabo Vertical Installation 110K1-948-11-05 No Rev.
3 of 6 Cabo Vertical Installation 110K1-948-11-05 No Rev.
4 of 6 Cabo Vertical Installation 110K1-948-11-05 No Rev.
5 of 6 Cabo Vertical Installation 110K1-948-11-05 No Rev.
6 of 6 Cabo Vertical Installation 110K1-948-11-05 No Rev.

Please inspect drawings for accuracy and content. Your comments regarding drawings would be appreciated.

If you have any further questions, do not hesitate to contact me at your convenience.

Sincerely,

Mike Hamilton

Technical Representative

MH/sl.
Encl.
United States of America
Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA1577NM

This certificate, issued to United States Forest Service
Building #1 - Fort Missoula
Missoula, Montana 59801

certifies that the change in the type design for the following product with the limitations and conditions
therein as specified herein meets the airworthiness requirements of Part 23 of the Federal Aviation
Regulations. Also, see Type Certificate Data Sheet for additional certification basis.

Original Product—Type Certificate Number: A2150
Make: Empresa Brasileira de Aeronautica S.A.
Model: Embraer Bandeirante EMP-110P1 and EMP-110P2

Description of Type Design Change:
Installation of static-line anchor-cable in accordance with FAA sealed Drawing No. MEDC-732 dated July 1983, FAA approved March 16, 1984 or subsequent approved revisions.

Limitations and Conditions:
This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the interrelationship between this change and any other previously approved modification will introduce no adverse effect upon the airworthiness of the aircraft.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: July 5, 1983
Date of issuance: March 16, 1984

By direction of the Administrator

Woodford R. Boyce, (Signature) Manager
Denver Aircraft Certification Office
Northwest Mountain Region, Aurora, Colorado

Any alteration of this certificate is punishable by a fine of not exceeding $1,000, or imprisonment not exceeding 3 years, or both.

FAA Form 8110-2 (10-68)
March 23, 1984

Mr. Lee I. Northcutt, Director
Missoula Equipment Development Center, USFS
Building #1 - Fort Missoula
Missoula, Montana 59801

Dear Mr. Northcutt:

Project No. A976NMD-S

We have received and reviewed your drawings received by us on January 18 and March 15.

With these data and the conformity inspection and test results of August 17, 1983, performed in Fairbanks, Alaska; you have satisfactorily demonstrated compliance with the applicable certification regulations. Accordingly, we have enclosed Supplemental Type Certificate SA1577NM, installing static-line vertical anchor cable in the Embraer Bandeirante EMP-110P1 and EMP-110P2, and a Federal Aviation Administration sealed copy of Sheet #1 of your top drawing.

This STC is official FAA approval of your installation and may be used to authorize identical installations on other aircraft of the same model, subject to the limitations noted on the certificate. It may be transferred or otherwise made available to another party by means of a licensee arrangement in accordance with Federal Aviation Regulations (FAR) 21.47. You are requested to advise this office within 30 days after the transfer when you transfer or grant licensee rights to the STC in order that we may take the necessary recording or reissuance action.

As recipient of this approval, except as provided in FAR 21.3(d), you are required to report any failure, malfunction, or defect in any product or part manufactured by you that you have determined has resulted or could result in any of the occurrences listed in FAR Part 21.3(c). The report should be communicated initially by telephone to the Manager, Denver Aircraft Certification Office, telephone number (303) 340-5575, within 24 hours after it has been determined that the failure has occurred. In addition, written notification to the Manager, ANM-170D, at the above address is required. FAA Form 8330-2 (Malfunction or Defect Report) or any other appropriate format is acceptable in transmitting the required details.

Edward Warren: First American Aloft
If you plan to manufacture replacement or modification parts for sale in conformance with approved data listed on the Certificate, you are required to comply with FAR 21.303. A Parts Manufacturer Approval (PMA) may be issued under the provisions of FAR 21.303(d) when you submit a statement certifying that you have established a fabrication inspection system as required by FAR 21.303(h). The identification requirements for parts produced under a PMA are in FAR 45.15. Your statement may be in letter form, with a reference to the STC number, and should be addressed to: Federal Aviation Administration, Denver Aircraft Certification Office, 10455 E. 25th Avenue, Suite 307, Aurora, Colorado 80012.

Sincerely,

Woodford R. Boyce
Manager, Denver Aircraft Certification Office

Enclosures
<table>
<thead>
<tr>
<th>PART NAME</th>
<th>NEOD</th>
<th>MATERIAL DESCRIPTION</th>
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<tbody>
<tr>
<td>VERTICAL ANCHOR CABLE</td>
<td>10</td>
<td>SOL-AM 32</td>
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VERTICAL ANCHOR CABLE FOR SANGANARANTE SHEET MEDC-732.

MATERIALS LIST

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DATE REVISION: JUL 1983

S. DEPT OF AGRICULTURE
FOREST SERVICE
EQUIPMENT DEVELOPMENT CENTER
MISSOULA, MONTANA

DRAWN: L. SILC
DESIGNED: T.
CHECKED: A.
APPROVED: E.

SCALE: 1/2" = 1'-0"
MATERIALS LIST

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<th>PART NAME</th>
<th>RETH</th>
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<td>CIHANNEL</td>
<td>2.0 3.4</td>
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<td>2.5 CHANN1</td>
<td>2.4</td>
<td>CIHANNEL</td>
<td>2.0 3.4</td>
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<td>2.7 CIHANNEL</td>
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<td>CIHANNEL</td>
<td>2.0 3.4</td>
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<tr>
<td>CIHANNEL AND ANCHOR PLATE</td>
<td>3.5</td>
<td>CIHANNEL</td>
<td>2.0 3.4</td>
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</table>

DIMENSIONS ARE IN MILLIMETERS, UNLESS IN PARENTHESES, THEN IN INCHES ON DRAWINGS. LOCATIONS TO FOLLOW.

TOLERANCES:

FRACTIONS TO THREE DECIMAL PLACES, ANGLES TO THE NEAREST DEGREE.

DATE: 4/1/83

SHEET: MEDC-752

U.S. DEPT OF AGRICULTURE
FOREST SERVICE
EQUIPMENT DEVELOPMENT CENTER
MISSOULA, MONTANA

DRAWN: "A"
DESIGNED: "I"
CHECKED: "E"
APPROVED: "P"
SCALE: "A"

TITLE: VERTICAL ANCHOR CABLE FOR SAMBOUANTE
VERTICAL ANCHOR CABLE FOR BANDFIREKNE

MATERIALS LIST

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<td>ANCHOR</td>
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<td>STEEL</td>
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<tr>
<td>PLATE</td>
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<td>STEEL</td>
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</table>

DATE: JULY 1963

SCALE: 1" = 1' 0"
MATERIALS LIST

title: Floor Platform Snowifter

step: Bracket for Bandiage Airplane

1. Part Name: Step Split Bracket
   Material: Support Bracket
   Description: Sheet Metal 14 Gauge EPS 14

2. Part Name: Support Bracket
   Material: Sheet Metal 14 Gauge EPS 14

3. Part Name: Step Split Bracket
   Material: Support Bracket
   Description: Sheet Metal 14 Gauge EPS 14

4. Part Name: Support Bracket
   Material: Sheet Metal 14 Gauge EPS 14

5. Part Name: Step Split Bracket
   Material: Support Bracket
   Description: Sheet Metal 14 Gauge EPS 14

6. Part Name: Support Bracket
   Material: Sheet Metal 14 Gauge EPS 14