From: Andryey Zhitenev [mailto:azhitenev@cospas-sarsat.int]
Sent: Monday, June 15, 2009 4:33 AM
To: Chung Tong
Cc: Kerry Greer; Plummer, Julie; Dany St-Pierre; Daniel Lévesque; Diane Hacker
Subject: Type Approval of ACR Electronics, Inc. 406 MHz PLB Models 'PLB-350B' and 'PLB-350A', TAC 198

Our Ref. CS09/124/510 (ACR)

Dear Chung Tong

I have pleasure to advise that, effective **15 June 2009**, Cospas-Sarsat has approved your two new beacon models 'PLB-350B ' and 'PLB-350A' and assigned for these beacon models the type approval reference number **TAC 198**.

We plan to publish information about 'PLB-350 A&B' on our website shortly and will issue the Type Approval Certificate in early July, after we come back from the JC-23 meeting. Please review the attached web-report drafts and advise if their content is fine with you.

Best Regards,

Andryey Zhitenev
Technical Officer
Cospas-Sarsat Secretariat

700, De la Gauchetière West,
Suite 2450
Montréal (Québec) H3B 5M2
Canada
tel: +1 514 954-6694
fax: +1 514 954-6750

Andryey Zhitenev
Technical Officer
Cospas-Sarsat Secretariat

700, De la Gauchetière West,
Suite 2450
Montréal (Québec) H3B 5M2
Canada
tel: +1 514 954-6694
fax: +1 514 954-6750

Database ID: 198-1

TAC Number: 198 **TAC Date:** 15-Jun-09 **TAC Rev Date:**

Beacon Model Name: PLB-350B

Additional Names: PLB-350B Slim, PLB-350B Float

Manufacturer: ACR Electronics Inc.

Tx Frequencies: 406.037 MHz **In Production:** Yes **Class:** 2

Type:
FF=Float Free PLB **Tested Life:**
(24 / 48 hrs) 24

Battery:
Manufacturer (Model, No of Cells) SANYO CR123A Lithium Manganese Dioxide (4 cells, 2/3 A size)

Protocols Tested: NL, SL

Protocol Notes: U=User; UL=User-Location; SL=Standard Location; NL=National Location

Self Test: Yes

Self Test RF: Yes **Self Test RF (Short/Long):** Short

Self Test Format Flag: Long **Self Test Consistent with 15 Hex ID:** Yes

Homer Freq: 121.5 MHz **Homer Duty Cycle:** 98%

Homer Power: 50mW

Strobe Light: Yes **Strobe Brightness:** Unknown

Strobe Duty Cycle: 21 flashes/min

Nav Device: Int

Nav Device Model: Wonde Proud P/N A1-11-0688-1

Separable Antenna: No

Antenna Model: Integrated antenna ACR P/N A3-06-2493

Additional Functions: PLB-350B Float has a larger bottom case and positive floatation (>15%).
GNSS Self-Test (1 burst of 520 msec)

Comments General: Approved for message encoding with Standard Location Protocol variants (EPIRB with MMSI, EPIRB with Serial Number, ELT with 24-bit address, ELT with Aircraft Operator Designator, ELT with Serial Number, PLB with Serial Number) and National Location protocol for EPIRB, ELT and PLB.
Tested in PLB-like configurations only, i.e. "on the ground" and "above ground".

TAC Rev History:

Database ID: 198-1

Database ID: 198-2

TAC Number: 198 **TAC Date:** 15-Jun-09 **TAC Rev Date:**

Beacon Model Name: PLB-350A

Additional Names: PLB-350A Slim, PLB-350A Float

Manufacturer: ACR Electronics Inc.

Tx Frequencies: 406.037 MHz **In Production:** Yes **Class:** 2

Type:
FF=Float Free PLB **Tested Life:**
(24 / 48 hrs) 24

Battery:
Manufacturer (Model, No of Cells) SANYO CR123A Lithium Manganese Dioxide (4 cells, 2/3 A size)

Protocols Tested: U

Protocol Notes: U=User; UL=User-Location; SL=Standard Location; NL=National Location

Self Test: Yes

Self Test RF: Yes **Self Test RF (Short/Long):** Short

Self Test Format Flag: Short **Self Test Consistent with 15 Hex ID:** Yes

Homer Freq: 121.5 MHz **Homer Duty Cycle:** 98%

Homer Power: 50mW

Strobe Light: No **Strobe Brightness:**

Strobe Duty Cycle:

Nav Device: N/A

Nav Device Model: No

Separable Antenna: No

Antenna Model: Integrated antenna ACR P/N A3-06-2493

Additional Functions:

Comments General: Approved for message encoding with User protocol variants: Maritime with MMSI, Maritime with Radio Call Sign, EPIRB Non Flat Free with Serial Number, Radio Call Sign, Aviation, ELT with Serial Number, ELT with Aircraft 24-bit address, ELT with Aircraft Operator Designator and Serial Number, PLB with Serial Number and National (short message format) protocol .
Tested in PLB-like configurations only, i.e. "on the ground" and "above ground".

TAC Rev History:

Database ID: 198-2