

TRANSMITTAL OF RULES ADOPTED

FROM: WASHINGTON STATE AERONAUTICS COMMISSION
(Name of Agency)

TO: CODE REVISER
LEGISLATIVE BLDG (Southwest Corner, Ground Floor)
Olympia 98501

The enclosed Permanent rules , being order No. 69-1
Emergency rules

relating to (Name of rules or description of subject matter)

Specifications for downed aircraft rescue transmitters.

(ALTERNATIVE A. Use only for adoption of permanent rules)

pursuant to Notice No. 2419 ^① filed with the code reviser
on 9/26/69 ^② were regularly adopted as permanent rules of this
(date)
agency at Walla Walla on 10/17/69 and are herewith
(place) (date)
filed in the office of the code reviser pursuant to chapter 34.04
RCW. The effective date of such rules shall be Jan. 1, 1970 ^③
midnight

(ALTERNATIVE B. Use only for adoption of emergency rules)

pursuant to its finding that the immediate adoption of
these rules is necessary for the preservation of the public
health, safety, or general welfare and that observance of the
requirements of notice and opportunity to present views on
the proposed action would be contrary to the public interest,
were regularly adopted as emergency rules of this agency at
_____ on _____ and are herewith filed in
(place) (date)
the office of the code reviser pursuant to chapter 34.04 RCW.

Dated this 14 day of NOV 1969.

STATE OF WASHINGTON
FILED
NOV 14 1969
CODE REVISER'S OFFICE
KET:2658 FILE # 3

WASHINGTON STATE AERONAUTICS COMMISSION
(AGENCY)
CHARLES F. MURPHY
By
Assistant Attorney General, Attorney
Title for Wash. State Aeronautics Commission

① NOTICE NUMBER AS APPEARS ON THE COPY OF NOTICE RETURNED TO YOU BY RE-
VISER'S OFFICE (IF PROCEEDINGS WERE CONTINUED, USE NO. OF LAST NOTICE)
② STAMPED DATE AS APPEARS ON THE COPY OF NOTICE RETURNED TO YOU BY REVIS-
ER'S OFFICE (IF PROCEEDINGS WERE CONTINUED, USE DATE OF LAST NOTICE)
③ UNLESS A LATER DATE IS SPECIFIED IN THIS ORDER OR IS PRESCRIBED
IN ANOTHER STATUTE, RULES ARE EFFECTIVE 30 DAYS AFTER FILING:
RCW 34.04.040. LEAVE THIS SPACE BLANK EXCEPT IN SUCH SPECIAL CASES.
Form Adopted 12/11/67. Effective 1/17/68 (Form CR-2)

STATE OF WASHINGTON

ADMINISTRATIVE ORDER NO. 69-001

(1) I, ~~Ronald R. Pretti~~ ^{John C. Long} ^{Chairman} of the State Aeronautics Commission of the state of Washington, by virtue of the authority vested in me under chapter 34.04 RCW and RCW 14.04.050, after due notice and in meeting open to the public, held at Walla Walla, Washington, on October 17, 1969, as required by chapters 34.04 and 42.32 RCW, do promulgate and adopt the annexed rules and regulations:

Specifications for downed aircraft rescue transmitters

as permanent rules of this agency.

(2) This order, after being first recorded in the order register of this agency, shall be forwarded to the Code Reviser for filing pursuant to chapter 34.04 RCW and chapter 1-12 WAC.

APPROVED AND ADOPTED, October 17, 1969.

By


~~RONALD R. PRETTI~~

^{Chairman}
~~Director~~
Title

WAC CHAPTER 12-28
SPECIFICATIONS FOR DOWNED AIRCRAFT RESCUE TRANSMITTERS

SPECIFICATIONS FOR DOWNED AIRCRAFT RESCUE TRANSMITTERS.

NEW WAC 12-36-001 PROMULGATION. Pursuant to chapter 205, Laws of 1969, Extraordinary Session, certain designated aircraft are required to be equipped with an approved Downed Aircraft Rescue Transmitter (known as DART) with sufficient transmission power and reliability that it will be automatically activated upon the crash of an aircraft so as to transmit a signal on a preset frequency to assist in the location of the downed aircraft. (See RCW 14.16.010.)

NEW WAC 12-36-010 OPERATION. The device must be operable by both impact and manual activation. It must activate within a range of five to twelve G's and withstand a force of 30 G's for the duration of ten milliseconds based on five separate shocks on each of the three major axis of the device. The device must further be FCC type accepted.

NEW WAC 12-36-020 DEVICE QUALITY. Established either by:

- (1) Certification under Federal Aviation Agency TSO-C61A, with waivers, to add the use of 243.0 MHz and a downward swept modulation between approximately 1600 Hz and 700 Hz at a rate of two to four times a second; or
- (2) A manufacturer's certification as to the following minimum standards:
 - (a) Power output of at least 18 millivolts/meter on each frequency (121.5 MHz and 9 millivolts/meter on 243.0 MHz), as measured by Canadian DOT Specification RSS 147 field strength or equal method for field strength measurement.
 - (b) It will be self-powered by its own battery source.
 - (c) Power shall not deteriorate more than 3 DB after 24 hours of operation at zero degrees Fahrenheit, preceded by a four hour cold soak at that temperature.
 - (d) Meet the vibration and shock requirements of FAA TSO-C61A.
 - (e) Have downward swept modulation between approximately 1600 Hz and 700 Hz at a rate of two to four times a second.
 - (f) The device must have a fixed, insulated nontele-scopic antenna.
 - (g) It will have a means to render the device in-operative and must be of a level of simplicity wherein unskilled persons will be able to operate without difficulty.
 - (h) The DART will be serially numbered, with the number easily visible for inspection.

NEW WAC 12-36-030 TRANSMISSION CAPABILITIES. The unit need not be capable of voice transmission but it shall be of sufficient power output and of carrier and modulation type as to be compatible with existing methods of "Homing" and "Locating" methods by use of automatic direction finders and left-right needle indicators.

NEW

WAC 12-36-040 DUAL FREQUENCY REQUIREMENT. The requirement of two output frequencies on the DART (121.5 mHz and 243.0 mHz) shall be effective only as to those devices installed on and after January 2, 1970. It shall be sufficient if previously installed devices on aircraft requiring same have only single frequency operation (either 121.5 or 243.0 mHz) so long as said devices otherwise comply with required commission specifications.