



National Fire Protection Association

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MEMORANDUM

TO: NFPA Technical Committee on Electronic Safety and Equipment
FROM: Stacey Van Zandt
DATE: September 13, 2011
SUBJECT: NFPA 1982 ROP TC FINAL Ballot Results (F2012)

The Final Results of the NFPA 1982 ROP Letter Ballot are as follows:

22 Members Eligible to Vote
0 Not Returned
21 Affirmative on All (Feely, Gestler, and Wolf – affirmative with comment on one or more proposals as noted in the attached report)
1 Negatives (Parkulo) (on one or more proposals as noted in the attached report)
0 Abstentions

There are two criteria necessary to pass ballot [(1) affirmative $\frac{2}{3}$ vote and (2) simple majority].

- (1) The number of affirmative votes needed for the proposal/comment to pass is 15.
(22 eligible to vote - 0 not returned - 0 abstentions = $22 \times 0.66 = 14.52$)
- (2) In all cases, an affirmative vote of at least a simple majority of the total membership eligible to vote is required. This is the calculation for simple majority:
[22 eligible \div 2 = 11 + 1 = (12)]

Reasons for negative votes, etc. from alternate members are not included unless the ballot from the principal member was not received.

According to the final ballot results, all ballot items received the necessary $\frac{2}{3}$ required affirmative votes to pass ballot.

Document # 1982

1982-1 Eligible To Vote:22 Affirmative: 22 Negative: 0 Abstain: 0 Not Returned: 0

Entire Document (Log # CP1)

1982-2 Eligible To Vote:22 Affirmative: 21 Negative: 1 Abstain: 0 Not Returned: 0

Entire Document (Log # 18)

Negative

Parkulo, C. 3.3.1.5 Out-of-Range Alarm. An audible alarm signal that is initiated automatically when the RF communication between a *base station* and user-worn *RF PASS* is lost. The out-of-range alarm warns emergency services personnel that their *RF PASS* is no longer in radio communication with the base station.

The Committees members recommendation during the March 3-4, 2001 meeting was that the Out of Range Alarm was to be changed state “audible or visual”

6.2.1.1 *RF PASS* shall allow for two additional modes: (4) *remote distress alarm*, to be automatically engaged whenever the *audible distress alarm* is enabled, and (5) *evacuation sensing*, to be automatically engaged whenever the *motion sensing* and/or *audible/remote distress alarms* are active.

6.2.2* The mode selection device(s) shall be designed to provide automatic activation from the *off* mode to the *motion sensing/evacuation sensing* mode without the user setting the mode selection device.

During the March meeting it was explained during the March 2001 meeting that there is no such mode on a *PASS* device “*evacuation sensing mode*”

Affirmative with Comment

Feely, M. Sec 7.1.2.2 lists a frequency test at 500hz. This requirement was eliminated by the committee

1982-3 Eligible To Vote:22 Affirmative: 22 Negative: 0 Abstain: 0 Not Returned: 0

Entire Document (Log # CP3)

1982-4 Eligible To Vote:22 Affirmative: 22 Negative: 0 Abstain: 0 Not Returned: 0

Chapter 1 through 6 (Log # 11)

Affirmative with Comment

Wolf, T. alarm signal not specific enough, audible distress alarm is a acceptable and expected type of alarm.

1982-5 Eligible To Vote:22 Affirmative: 22 Negative: 0 Abstain: 0 Not Returned: 0

2.3.1 (Log # 10)

1982-6 Eligible To Vote:22 Affirmative: 22 Negative: 0 Abstain: 0 Not Returned: 0

2.3.1 (Log # 17)

1982-7 Eligible To Vote:22 Affirmative: 22 Negative: 0 Abstain: 0 Not Returned: 0

3.3.2 Annunciator (Log # 16)

1982-8 Eligible To Vote:22 Affirmative: 22 Negative: 0 Abstain: 0 Not Returned: 0

5.1.8 (Log # 14)

1982-9 Eligible To Vote:22 Affirmative: 22 Negative: 0 Abstain: 0 Not Returned: 0
Chapter 6 through 8 (Log # 12)

1982-10 Eligible To Vote:22 Affirmative: 22 Negative: 0 Abstain: 0 Not Returned: 0
6.1 (Log # 8)

1982-11 Eligible To Vote:22 Affirmative: 22 Negative: 0 Abstain: 0 Not Returned: 0
6.1 (Log # 9)

1982-12 Eligible To Vote:22 Affirmative: 22 Negative: 0 Abstain: 0 Not Returned: 0
6.3 (Log # 7)

1982-13 Eligible To Vote:22 Affirmative: 22 Negative: 0 Abstain: 0 Not Returned: 0
6.4.2.1, thru 6.4.3.9.3, 7.1.1 thru 7.1.2.2, 8.14.4.2, 8.14.6.1, 8.14.6.2 (Log # CP2)

Affirmative with Comment

Feely, M. sec. 6.4.3.9 a typo exists in the tolerances for the type 3 chirp
 sec. 6.4.3.9.2 the frequency mentioned in the type 2 chirp and the type 3 chirp appear to be similar. Not sure if this was the intent of the proposal.

Gestler, C. The proposed PASS alarm sound was tested against our existing sound and while the peak SPL value is roughly equivalent, the average SPL is significantly less due to the longer pauses in the sequence. It would be beneficial to increase the average SPL by decreasing the pauses in the sequence, making detection of the PASS alarm by humans more likely.
 In addition, the timing requirements are very difficult to achieve. The 0.01% tolerance on the silent intervals between the tones is overly restrictive and the 0.1% tolerances on the frequencies and tone durations may be very difficult to meet.

1982-14 Eligible To Vote:22 Affirmative: 22 Negative: 0 Abstain: 0 Not Returned: 0
6.4.3, 7.1.2, and Chapter 8 (Log # 6)

1982-15 Eligible To Vote:22 Affirmative: 22 Negative: 0 Abstain: 0 Not Returned: 0
6.4.3.5, 7.1, and 8.2 (Log # 1)

1982-16 Eligible To Vote:22 Affirmative: 22 Negative: 0 Abstain: 0 Not Returned: 0
6.13.5 (Log # 2)

1982-17 Eligible To Vote:22 Affirmative: 22 Negative: 0 Abstain: 0 Not Returned: 0
6.13.5 (Log # 3)

1982-18 Eligible To Vote:22 Affirmative: 22 Negative: 0 Abstain: 0 Not Returned: 0
7.1.2.2 (Log # 4)

1982-19 Eligible To Vote:22 Affirmative: 22 Negative: 0 Abstain: 0 Not Returned: 0
7.6 (Log # 15)

1982-20 Eligible To Vote:22 Affirmative: 22 Negative: 0 Abstain: 0 Not Returned: 0
8.11.4.1.3 (Log # 13)

1982-21 Eligible To Vote:22 Affirmative: 22 Negative: 0 Abstain: 0 Not Returned: 0
8.16 (Log # 5)
