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 Meeting Minutes

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NESC SUBCOMMITTEE 7
 UNDERGROUND LINES
 29 Sep, 2003 - 29 Sep, 2003
 IEEE, Piscataway, NJ

Name	Voting	Organization	09/29
Alan J Amato (Principal)	N	SCTE	A
O C Amrhyn (Principal)	N	self	X
Chris Austin (principal)	Y	NCTA	X
Charles C Bleakley (Principal)	Y	SEEX	X
Trevor Bowmer (Alternate)	N	ATIS	X
Rex Bullinger (Alternate)	N	NCTA	A
Donna L Chaffin (Principal)	Y	EEI	X
Rafael Fernandez (principal)	Y	EIA	A
Lauren E Gaunt (Principal)	N	EEI	A
Mickey B Gunter (Alternate)	N	SEEX	X
Dennis Henry (Principal)	Y	ATIS	X
Trung Hiu (Principal)	Y	RUS	X
David H Kendall (Principal)	N	NEMA	A
Steve Mace (Alternate)	N	NCTA	A
James D Mars (Principal)	N	Self	A
Dennis B Miller (Principal)	Y	EEI	X
Michael C Pehosh (principal)	Y	NRECA	A
Percy E Pool (Alternate)	N	EIA	A
George S Pristach (Principal)	N	APTA	A
Ewell T Robeson (Principal)	Y	IEEE	X
Lawrence M Slavin (principal)	Y	ATIS	X
John C Spence (Principal)	Y	EEI	X
Monte Szendre (Principal)	Y	NECA	X
James R Tomaseski (principal)	Y	IBEW	A
Ted S Woo (Principal)	Y	SCTE	X
Guest			
William Ash		IEEE	X
O.L. Davis		NECA	X
Tricia Gerdon		IEEE	X

Noelle Humenick	IEEE	X
Robert Saint	NRECA	X
Richard Vencus	IEEE/PES/ICC	X
Sue Vogel	IEEE	X

X - Present **A - Absent**

Chair: Charles Bleakley **Secretary:** John Spence

Notes: Slavin had attended the meeting while CP 2500 and CP 2501 were being addressed.

New Text

Part: 3 Section: 31

Rule: 311 C

CP2556

Subcommittee Recommendation: Accept in Principle

Subcommittee Comment:

See CP2623

Vote on Subcommittee Recommendation:

Affirmative: (14) Austin, Bleakley, Chaffin, Fernandez, Henry, Hiu, Miller, Pehosh, Robeson, Slavin, Spence, Szendre, Tomaseski, Woo

Negative: (0)

Abstention: (0)

Explanation of Vote:

New Text

Part: 3 Section: 31

Rule: 311 C

CP2623

Subcommittee Recommendation: Accept

Subcommittee Comment:

Vote on Subcommittee Recommendation:

Affirmative: (14) Austin, Bleakley, Chaffin, Fernandez, Henry, Hiu, Miller, Pehosh, Robeson, Slavin, Spence, Szendre, Tomaseski, Woo

Negative: (0)

Abstention: (0)

Explanation of Vote:

Revised Text

Part: 3 Section: 31

Rule: 312

CP2763

Subcommittee Recommendation: Accept

Subcommittee Comment:

Vote on Subcommittee Recommendation:

Affirmative: (14) Austin, Bleakley, Chaffin, Fernandez, Henry, Hiu, Miller, Pehosh, Robeson, Slavin, Spence, Szendre, Tomaseski, Woo

Negative: (0)

Abstention: (0)

Explanation of Vote:

Deleted Text

Part: 3 Section: 31

Rule: 313

CP2712

Subcommittee Recommendation: Reject

Subcommittee Comment:

The subcommittee is not convinced that the CP will enhance the current safety rules. The supporting comments do not present a persuasive argument.

Vote on Subcommittee Recommendation:

Affirmative: (14) Austin, Bleakley, Chaffin, Fernandez, Henry, Hiu, Miller, Pehosh, Robeson, Slavin, Spence, Szendre, Tomaseski, Woo

Negative: (0)

Abstention: (0)

Explanation of Vote:

Revised Text

Part: 3 Section: 31

Rule: 315 A3

CP2641

Subcommittee Recommendation: Reject

Subcommittee Comment:

Present wording is adequate and conveys the intent of the rule.

Vote on Subcommittee Recommendation:

Affirmative: (14) Austin, Bleakley, Chaffin, Fernandez, Henry, Hiu, Miller, Pehosh, Robeson, Slavin, Spence, Szendre, Tomaseski, Woo

Negative: (0)

Abstention: (0)

Explanation of Vote:

Revised Text

Part: 3 Section: 32 Note 1 under heading

CP2706

Subcommittee Recommendation: Reject

Subcommittee Comment:

Part C: Subcommittee believes that note 1 should remain in the title since it clarifies the intent of Section 32. Part A: Subcommittee recommends that part A be rejected since the definitions are presently in section 2. Part B: Subcommittee recommends rejection of Part B; Subcommittee prefers present language.

Vote on Subcommittee Recommendation:

Affirmative: (14) Austin, Bleakley, Chaffin, Fernandez, Henry, Hiu, Miller, Pehosh, Robeson, Slavin, Spence, Szendre, Tomaseski, Woo

Negative: (0)

Abstention: (0)

Explanation of Vote:

Revised Text

Part: 3 Section: 32 Note 2 under heading

CP2705

Subcommittee Recommendation: Reject

Subcommittee Comment:

No data is provided to ensure that all conduit will contain the heat and combustion products caused by a cable fault.

Vote on Subcommittee Recommendation:

Affirmative: (14) Austin, Bleakley, Chaffin, Fernandez, Henry, Hiu, Miller, Pehosh, Robeson, Slavin, Spence, Szendre, Tomaseski, Woo

Negative: (0)

Abstention: (0)

Explanation of Vote:

Revised Text

Part: 3 Section: 32

Rule: 320 B2

CP2764

Subcommittee Recommendation: Accept

Subcommittee Comment:**Vote on Subcommittee Recommendation:**

Affirmative: (14) Austin, Bleakley, Chaffin, Fernandez, Henry, Hiu, Miller, Pehosh, Robeson, Slavin, Spence, Szendre, Tomaseski, Woo

Negative: (0)

Abstention: (0)

Explanation of Vote:

New Text

Part: 3 Section: 32

Rule: 322 A

CP2811**Subcommittee Recommendation:** Reject**Subcommittee Comment:**

No data was submitted to attest to the permanency of the color coding in the given environment. The code does not prohibit the use of color coded conduit.

Vote on Subcommittee Recommendation:**Affirmative:** (13) Austin, Bleakley, Chaffin, Fernandez, Henry, Hiu, Miller, Pehosh, Robeson, Spence, Szendre, Tomaseski, Woo**Negative:** (0)**Abstention:** (1) Slavin**Explanation of Vote:**

New Text

Part: 3 Section: 34

Rule: 342 A

CP2631**Subcommittee Recommendation:** Accept as modified**Subcommittee Comment:****Vote on Subcommittee Recommendation:****Affirmative:** (14) Austin, Bleakley, Chaffin, Fernandez, Henry, Hiu, Miller, Pehosh, Robeson, Slavin, Spence, Szendre, Tomaseski, Woo**Negative:** (0)**Abstention:** (0)**Explanation of Vote:**

Deleted Text

Part: 3 Section: 35

Rule: 350 F

CP2765**Subcommittee Recommendation:** Accept as modified**Subcommittee Comment:****Vote on Subcommittee Recommendation:****Affirmative:** (14) Austin, Bleakley, Chaffin, Fernandez, Henry, Hiu, Miller, Pehosh, Robeson, Slavin, Spence, Szendre, Tomaseski, Woo

Negative: (0)

Abstention: (0)

Explanation of Vote:

Revised Text

Part: 3 Section: 35

Rule: 350 G

CP2812

Subcommittee Recommendation: Reject

Subcommittee Comment:

Color striping was rejected by the WG as a viable marking system based upon the cable industrys recommendation. Additional stripings or markings on the cable is permissible provided this rule is met. The rule does not prohibit the added marking on the cable or duct. In addition, the proposal recommends to eliminate the current marking scheme.

Vote on Subcommittee Recommendation:

Affirmative: (14) Austin, Bleakley, Chaffin, Fernandez, Henry, Hiu, Miller, Pehosh, Robeson, Slavin, Spence, Szendre, Tomaseski, Woo

Negative: (0)

Abstention: (0)

Explanation of Vote:

Revised Text

Part: 3 Section: 35

Rule: 350 H

CP2705

Subcommittee Recommendation: Reject

Subcommittee Comment:

No data is provided to ensure that all conduit will contain the heat and combustion products caused by a cable fault.

Vote on Subcommittee Recommendation:

Affirmative: (14) Austin, Bleakley, Chaffin, Fernandez, Henry, Hiu, Miller, Pehosh, Robeson, Slavin, Spence, Szendre, Tomaseski, Woo

Negative: (0)

Abstention: (0)

Explanation of Vote:

Revised Text

Part: 3 Section: 35

Rule: 351 C1

CP2557

Subcommittee Recommendation: Accept in principle

Subcommittee Comment:

See CP2622

Vote on Subcommittee Recommendation:

Affirmative: (14) Austin, Bleakley, Chaffin, Fernandez, Henry, Hiu, Miller, Pehosh, Robeson, Slavin, Spence, Szendre, Tomaseski, Woo

Negative: (0)

Abstention: (0)

Explanation of Vote:

New Text

Part: 3 Section: 35

Rule: 351 C1

CP2622

Subcommittee Recommendation: Accept as modified

Subcommittee Comment:**Vote on Subcommittee Recommendation:**

Affirmative: (14) Austin, Bleakley, Chaffin, Fernandez, Henry, Hiu, Miller, Pehosh, Robeson, Slavin, Spence, Szendre, Tomaseski, Woo

Negative: (0)

Abstention: (0)

Explanation of Vote:

Revised Text

Part: 3 Section: 35

Rule: 351 C5

CP2500

Subcommittee Recommendation: Reject

Subcommittee Comment:

This CP proposes one method for submarine crossing in a rule that pertains only to routing and location.

Vote on Subcommittee Recommendation:

Affirmative: (13) Austin, Bleakley, Chaffin, Fernandez, Henry, Hiu, Miller, Pehosh, Robeson, Spence, Szendre, Tomaseski, Woo

Negative: (1) Slavin

Abstention: (0)

Explanation of Vote:

SLAVIN: I believe the NESC should be continually revised and updated to remain a timely document. Directional drilling is a well-used technique that should be recognized by the NESC as a procedure that is often used and may have advantages in specific cases, and encourages safety by ensuring protection of the submarine cable. If necessary, the entire original wording could be included in the NOTE portion of the original CP, instead of as part of the Rule

as originally submitted. Thus, the information would be present, but not mandatory.

Revised Text

Part: 3 Section: 35

Rule: 352 C, D

CP2501

Subcommittee Recommendation: Reject

Subcommittee Comment:

Burial depths greater than that recommended in Table 352-1 are not safety hazards as such, but these depths may present operational and maintenance problems, which must be considered by the utilities involved.

Vote on Subcommittee Recommendation:

Affirmative: (13) Austin, Bleakley, Chaffin, Fernandez, Henry, Hiu, Miller, Pehosh, Robeson, Spence, Szendre, Tomaseski, Woo

Negative: (1) Slavin

Abstention: (0)

Explanation of Vote:

SLAVIN: Rule 352 lists various forms of buried construction. The NESC should recognize directional drilling as a commonly used construction practice, including the IEEE guide. In addition, excessive depths are possible with such a procedure and should be avoided. Excessive depths complicate maintenance operations, leading to potential safety issues when attempting to perform such operations. If necessary, the entire original wording could be included in a NOTE, instead of as part of the Rule as originally submitted. Thus, the information would be present, but not mandatory..

New Text

Part: 3 Section: 35

Rule: 352 E

CP2558

Subcommittee Recommendation: Accept in Principle

Subcommittee Comment:

See CP2624

Vote on Subcommittee Recommendation:

Affirmative: (14) Austin, Bleakley, Chaffin, Fernandez, Henry, Hiu, Miller, Pehosh, Robeson, Slavin, Spence, Szendre, Tomaseski, Woo

Negative: (0)

Abstention: (0)

Explanation of Vote:**New Text**

Part: 3 Section: 35

Rule: 352 E, F

CP2624**Subcommittee Recommendation:** Accept**Subcommittee Comment:****Vote on Subcommittee Recommendation:****Affirmative:** (14) Austin, Bleakley, Chaffin, Fernandez, Henry, Hiu, Miller, Pehosh, Robeson, Slavin, Spence, Szendre, Tomaseski, Woo**Negative:** (0)**Abstention:** (0)**Explanation of Vote:**

New Text

Part: 3 Section: 35

Rule: 352 F

CP2558**Subcommittee Recommendation:** Accept in principle**Subcommittee Comment:**

See CP2624

Vote on Subcommittee Recommendation:**Affirmative:** (14) Austin, Bleakley, Chaffin, Fernandez, Henry, Hiu, Miller, Pehosh, Robeson, Slavin, Spence, Szendre, Tomaseski, Woo**Negative:** (0)**Abstention:** (0)**Explanation of Vote:**

Revised Text

Part: 3 Section: 35

Rule: 354 A2

CP2537**Subcommittee Recommendation:** Accept as modified**Subcommittee Comment:**Delete the note. See upload. Request SC 8 to consider revising the following rules to harmonize to this modified CP:
Rule 423 C 4 and 423 D 4.**Vote on Subcommittee Recommendation:****Affirmative:** (14) Austin, Bleakley, Chaffin, Fernandez, Henry, Hiu, Miller, Pehosh, Robeson, Slavin, Spence, Szendre, Tomaseski, Woo**Negative:** (0)**Abstention:** (0)**Explanation of Vote:**

New Text

Part: 3 Section: 38

Rule: 384 C

CP2765

Subcommittee Recommendation: Accept as modified

Subcommittee Comment:

Vote on Subcommittee Recommendation:

Affirmative: (14) Austin, Bleakley, Chaffin, Fernandez, Henry, Hiu, Miller, Pehosh, Robeson, Slavin, Spence, Szendre, Tomaseski, Woo

Negative: (0)

Abstention: (0)

Explanation of Vote:

Meeting Conclusion:

IR517--No action required as determined by the subcommittee.