

Chair: Frank DeCesaro

Vice-Chair: Open

Secretary (for today): Chris Ambrose

## Meeting Agenda

**1. Call to Order ..... Frank DeCesaro**

8:01 AM

The chair stated that we will be reviewing the working group comments received from C37.63 Draft 1.4-clean. We will start with the technical issues and then editorials if we have time.

The plan is to get the internal WG comments incorporated into draft 2 and sent to WG members between now and October. Then review any new WG comments at our fall meeting with intent to have a ballot version by end of year. By Fall session vote to go to ballot

We hope to form the Ballot Pool early 2023

**2. Introduction of Members and Guests..... Frank DeCesaro**

**a. Sign up sheet will be passed to register attendance**

Done.

**3. Call for patents ..... Frank DeCesaro**

**a. [IEEE Patent Slides](#) ..... Frank DeCesaro**

Presented and reviewed patent slides.

**4. IEEE SA Copyright**

**a. [IEEE SA Copyright Policy 2019](#)..... Frank DeCesaro**

Presented and reviewed copyright slides.

**5. Membership and quorum Check..... Frank DeCesaro**

**a. New membership requests – IEEE PES Switchgear Policies and Procedures March 19, 2019**

- [Working Group Membership](#)

Frank reviewed the process for joining the WG

**b. Quorum check From Switchgear PnP “When the voting membership is less than 50 voting members, a quorum shall be defined as a majority of the current total voting membership”**

There were (8) members and (16) Guests in attendance.

WG has 15 Members as of 4/3/2022 therefore Quorum is 8. We have quorum.

# C37.63 Meeting Minutes

April 11, 2022 – Hilton Orlando Bonnet Creek

6. **Approval of the Agenda** .....
  - a. **Peter Agliata moved, and Chris Morton seconded. Agenda approved.**
7. **Approval of Minutes of last meeting**..... **Person's Name**
  - a. Minutes were previously published on ImeetCentral ([October 11, 2022 C37.63 Meeting draft minutes/](#))and the IEEE ([F21RODEa2REV0.pdf](#)) Switchgear site. If no corrections then the minutes will be approved as distributed.

Approved – as distributed

8. **Call for a member to volunteer to be our permanent secretary and Vice-Chair** ..... **Frank DeCesaro**
  - a. **Chris Ambrose volunteered to remain as secretary after today.**
  - b. **No volunteers for the vice chair.**

9. **Review of -C37.63\_d1.4.-Clean.doc comments received.**

**D1.4 will be revised today to new Draft 2 as we proceed.**

**The following highlights the actions taken from the comments received. Refer to the comment spreadsheet included with these minutes for more detailed comments.**

- Antone Bonner – line 355 – OK to remove. (ED)
- Line 405/404 – Live Tank Designs (6.4 – Live Tank) – Change Accepted
- Line 457 Change to IEEE-4 Wet Test (ratings, design test specifies time) 60 sec, same voltage wet and dry as in .62 & .60 – Include same wet withstand.
- Line 548 – To Remove Clause 6.4 (live tank design and construction) – Accepted to remove
- LINE 559 – Paul – Min fault current detection time – need to add communication times.
  - Revise Note 1 – modified to include radio latency time
- Line 650 – Antone – 6.1.4 – Tightness Test for Liquid – this section addresses X-ray emissions. Move to X-ray
  - Section (Ref C37.100.1)
  - Ref C37.62 – liquid tightness 6.17 → 6.13 revised to add liquid tightness from .62
  - C37.85 will be requested. On Hold until then. NEMA standard under ANSI.
  - Liquid Test in hold for now
- Line 710 - 7.1 – Chris Borck – OK to leave test series as is – Rejected
  - Moving normative (shall) notes to footnotes. Removed all notes.
  - Notes - informative (cannot use “shall” within a note).
  - Footnotes - Normative
- Line 760 – Table 6 – Paul – Hold for clarification. Frank to clarify with Paul.
- Line 821 - Antone – Wet Test – 7.2.6.1 C – Rejected – calls out Std4 (rev 2013, Table 5 specs test time) IEEE-4 – 2013 Test for alt voltages – wet test. 11.2.2 Newer version (2013) covers this
  - Line 822 – Power Frequency Withstand Test – 7.2.6.1 – Rejected Previously covered, table values will be modified
- Line 934 – 6.37 – Load Switching Tests – 7.11.2.1 - Accepted
  - Changed reference to Ref 7.16
  - ACTION ITEM:** Frank and Peter Agliata - will review C37.30.4

# C37.63 Meeting Minutes

April 11, 2022 – Hilton Orlando Bonnet Creek

- Line 1119 7.16 – Ref Table 9 – rejected Test 5 needed after Test 4
- Paul Found 1254 7.25 same as previous comm latency – Accepted Chris Morton (S&C)
- Line 902 – 7.5.3 – Test Currents – Change Accepted
- 941/942 - 7.11.2.2 – Cable Charging – clarify whether applicable or not (100.2 - 4.4.1) – Accepted
- 961 - 7.12.2 – cannot reach peak current due to arcing. Perspective must be 2.6 times  
Now – Minimum 1 close, max  
**ACTION ITEM:** Recommendations Task Team to deal with this was created – Travis Johnson, Kennedy Darko, Chris Morton, Frank D.
- 1122 / – 7.16.5 – Chris Morton – Ref 7.20 - Accepted  
Is 7.17 applicable as well? – no
- 1192/1207 – 20.1 - 7.4.47.3 (ref C37.60) -Accepted  
Also next one – Accepted  
Blanket search / replace for reclosers, where applicable.

**Done with Technical Comments. We then moved to some Editorial Comments.e**

- Line 399 – Antonne – delete "through it) – Accepted
- Line 400 – Antone – opens after – Accepted, as revised.  
425 - 4.1.2 – Flooding would be – deleted. Accepted.  
Paul Found 427 – 4.1.2 – change switchgear to sectionalizer – Rejected (stay with switchgear)  
PF – 6.5 – Line 554 / 549 – set first item as "a" and continue. – Accepted  
Antonne – Accepted  
Antonne - 6.8 Line 582 (now 6.7) 6.7 Independent Manual Operation / 6.21 Manual Operating Provision  
Merged into 6.7 with definition at end moved to a note. – Accepted as revised.
- Line 589 – 6.7 - Table 4 not close to this clause. Chris Borck will help Frank with Editorial revisions.

**10. Ian Rokser moved to adjourn. Joe seconded**

**a. Meeting adjourned at 11:53 AM**

**11. Next Meeting ..... Person's Name**

**Date: October 8 - 15, 2022, Burlington, VT**

## C37.63 Working Group Attendance - April 11, 2022

Role	First Name	Last Name	4/11/2022
Member	Pete	Agliata	X
Member	Chris	Ambrose	X
Member	Christopher	Borck	X
Member	Julienne	Britt	X
Guest	Ngdc	Bui	X
Guest	Kennedy	Darko	X
Guest	Stacey	Davies	X
Chair	Frank	DeCesaro	x
Guest	Mark	Feltis	X
Member	Paul	Found	E
Member	Harold	Hirz	X
Guest	Jodi	Hoasz	X
Guest	Travis	Johnson	X
Guest	John	Kaminski	X
Guest	Jackie	Kandel	X
Guest	Kennedy	Kardo	X
Guest	Oswaldo	Kaschny	X
Member	Christopher	Morton	X
Guest	Roberto	Olivares	X
Guest	Larry	Putman	X
Guest	Caryn	Riley	X
Member	Ian	Rokser	X
Member	Francois	Soulard	E
Member	Jon	Spencer	X
Guest	John	Stemmerich	X
Guest	Truett	Thompson	X
Guest	Tim	Tillery	X

C37.63 Working Group Attendance - April 11, 2022

Last Name	4/11/2022
Agliata	X
Ambrose	X
Borck	X
Britt	X
Bui	X
Darko	X
Davies	X
DeCesaro	x
Feltis	X
Hirz	X
Hoasz	X
Johnson	X
Kaminski	X
Kandel	X
Kardo	X
Kaschny	X
Morton	X
Olivares	X
Putman	X
Riley	X
Rokser	X
Spencer	X
Stemmerich	X
Thompson	X
Tillery	X

## C37.63 Working Group Membership as of 4/11/2022

Role	First Name	Last Name
Member	Pete	Agliata
Member	Chris	Ambrose
Member	Antone	Bonner
Member	Christopher	Borck
Member	Julienne	Britt
Member	Charles	Corley
Chair	Frank	DeCesaro
Member	Paul	Found
Member	Harold	Hirz
Member	Benjamin	Isaak
Member	Christopher	Morton
Member	Stephen	Pell
Member	Ian	Rokser
Member	Francois	Soulard
Member	Jon	Spencer
Member	Xin	Zhou

Project PC37.63-D1.4 - Clean- Comments-ver2

Name	Comment Number	Page	Sub-clause	Line Number	Type of Comment	Comment	Proposed Change	Disposition Status	Disposition Detail
Bonner, JA	1	1	1.3	355	Editorial	This line can probably be deleted. IEEE did not require it in C37.62.	delete the sentence	Accepted	
Bonner, JA	2	2	3	399	Editorial	"...opens the main electrical circuit through it after sensing..." Normally we don't talk of a circuit passing through a switching device. Remove "through it"	Remove "through it"	Accepted	
Bonner, JA	3	2	3	400	Editorial	Add some clarity to the sentence, "It opens while the ..." by stating that other devices deenergize the circuit first.	Change the sentence to "It opens after other devices deenergized the main electrical circuit."	Revised	WG change It to sectionalizer.
Bonner, JA	4	2	3	405	Technical	This definition may not have sufficient clarity. The essence of live tank construction, as I understand it, is that the interrupter chamber is contained within an insulator. The interrupting module is not contained within a grounded metallic compartment but is isolated from ground by additional insulators. Polymeric insulated switchgear are representative of this type.  This term is used as a design requirement in Clauses 6.4. The WG might want to discuss if Clause 6.4 is needed.	Here is a potential alternative definition, "A sectionalizer consisting of a switching chamber that is insulated and is at line potential."	Accepted	
Bonner, JA	5	3	4.1.2	425	Editorial	Since there is only one item in the lettered list, "flooding" does not need a numbered list	remove line 425 ("a) Flooding)	Accepted	
Found, Paul	FOUND/1	3	4.1.2	427	editorial	In adding flooding to the 3.2.2 subclause of C37.100.1, this wording on line 427 says "above the top of the switchgear". If this comment applies only in C37.63, is comment 'switchgear' based, or 'sectionalizer' based?	change "switchgear" to "sectionalizer".	Rejected	We are harmonized to C37.100.1 by using switchgear.
Bonner, JA	6	4	5.2	457	Technical	Col 5 Wet withstand voltage - Several standards including C37.62 and C37.60 have now specified the IEEE 4 Standard Test Procedure (which has a 60 second wet test). We might want to consider changing C37.63 to the same.	Consider changing to IEEE4 Standard Test Procedure for power frequency wet tests.	Revised	This is just a rating. The design tests define the procedure. However the working group voted to include the same wet withstand values as in C371.62 and C7.60
Bonner, JA	7	8	6.4	548	Technical	This clause may not be needed. It is not included in C37.60 nor C37.62. It does not seem to be specific enough for design specification.	Remove clause 6.4	Accepted	
Found, Paul	FOUND/2	8	6.5	554	editorial	This line is part of the list. Is not currently showing as "a)".	Add: "a)" in front of existing language. Change subsequent items accordingly.	Accepted	
Bonner, JA	8	8	6.5	554	Editorial	Should "Total execution time" be part of the numbered list below it, i.e. labeled "a) Total execution time"	Include Total execution time in the lettered list starting on line 555.	Accepted	
Found, Paul	FOUND/3	8	6.5	559	technical	The minimum pre-current to operate time should be clarified that operation is to include both radio communication as well as actuating mechanism functionality.	Add: f) Minimum pre-current to operate (operation is to include both radio communication as well as actuating mechanism functionality).	Revised	We modified NOTE 1 to accomdate the radio latency time.
Found, Paul	FOUND/4	8	6.5	559	technical	The minimum power up time is related to the minimum pre-current level, and reflects the time required for successful sequence operation.	Add: g) Minimum power up time (the time required at the minimum pre-current to operate, before a full operation sequence may be sustained).		
Bonner, JA	9	9	6.8	582	Editorial	Clause 6.22 Manual Operating Provision and 6.8 address similar topics. They can probably be combined	Combine clauses 6.8 and 6.22 and eliminate one or the other.	Revised	WG moved 6.22 into 6.8 and modified wording to fit.
Bonner, JA	10	10	6.8	589	Editorial	Table 4 is not mentioned in any of the subclauses located near it. Perhaps it needs to be located closer to its clause.	Locate Table 4 closer to the applicable clause		
Bonner, JA	11	10	6.8	590	Editorial	Table 4, rated ice breaking capability - error in column 4	correct error of column 4		
Bonner, JA	12	12	6.11.2.2	634	Editorial	AISI6 type 304 - the "6" is perhaps a typo	Change to ANSI type 304		
Bonner, JA	13	12	6.11.4	643	Editorial	If C37.100.1 is not applicable, is there no requirement for this clause?	State that there are no requirements for this clause at this time		
Bonner, JA	14	12	6.14	650	Technical	This paragraph does not seem to match the title "Tightness for liquid systems"	move this paragraph to clause 6.17 X-ray emission if appropriate.		This has been placed on hold. Chair will get C37.85 standard from IEEE to review this item. We will deal with this via emails/online

Project PC37.63-D1.4 - Clean- Comments-ver2

Name	Comment Number	Page	Sub-clause	Line Number	Type of Comment	Comment	Proposed Change	Disposition Status	Disposition Detail
Bonner, JA	15	14	6.22	703	Editorial	Words "Design (type) test" are unnecessary.	Delete the words "Design (type) test"		
Borck, Chris	Borck/1	14	7.1	709	Technical	To avoid electrical stresses prior to partial discharge testing, the Insulation (dielectric) test should be performed following partial discharge.	Partial discharge testing to be listed first for Group 1 Type Test in Table 5 followed by Insulation (dielectric) testing.	Rejected	
Borck, Chris	Borck/2	14	7.1	709	Technical	Since Group 1 shall be tested in the order listed, a footnote to be added	Add footnote to Group 1 stating "The tests in Group 1 shall be performed in the order listed"	Revised	The WG moved all of the notes to footnotes because some notes had shall in it.
Borck, Chris	Borck/3	14	7.1	710	Technical	Since Partial discharge needs to be performed 1st and Temperature-rise last, Group 1 testing needs to be performed in the order listed.	Remove NOTE 1	Revised	The WG moved all of the notes to footnotes because some notes had shall in it.
Bonner, JA	17	14	7.1	711	Editorial	If the Notes 1, 2, and 3 are for Table 5, do they should be enclosed within the bottom border of the table, as with tables 1,2,3,and 4.	Enclose the three notes in the table borders per the IEEE SA Stds Style Manual		
Borck, Chris	Borck/4	14	7.1	711	Technical	Note 2 is vague	NOTE 2 designation to be changed to NOTE 1 and state "Devices used in Group 1 can be utilized for Group 2"	Revised	The WG moved all of the notes to footnotes because some notes had shall in it.
Bonner, JA	18	14	7.1	712	Editorial	Not clear on meaning of "Devices used in Group 1 can be utilized." Perhaps "...can be utilized in other groups."	Change sentence to read, "Devices used in Group 1 can be utilized in other groups."		
Borck, Chris	Borck/5	14	7.1	712	Technical	The 2nd part of NOTE 2 should be separated off	The new NOTE 2 to state "The tests in Group 4 can be performed in any order except the mechanical test shall be last"	Revised	The WG moved all of the notes to footnotes because some notes had shall in it.
Found, Paul	FOUND/5	15	7.1.3	741	editorial	sectionalizer should be plural	Change to "sectionalizers".		
Found, Paul	FOUND/6	16	Table 6	760	technical	include the testing of design features stated in 6.5.	Add line items from clause 6.5 a) through g). This would also require additional sections added to section 7.		This has been placed on hold. Chair will reach out to Paul to clarify his recommendation.
Bonner, JA	19	16	7.1.5	763	Editorial	Footnote "a" should be enclosed within the bottom border of the table.	Enclose the footnote within the table borders per the IEEE SA Stds Style Manual		
Bonner, JA	20	16	7.1.5	763	Editorial	reference to 5.1 e), f), and g) are incorrect.	Change reference 5.1 e), f), and g) to 5.1 i), j), and k).		
Borck, Chris	Borck/6	16	7.1.8	771	Editorial	Reference error	Replace 7.16.32 with 7.16		
Bonner, JA	21	17	7.2	780	Editorial	The last sentence of that paragraph seems that it should apply to all sectionalizers being tested according to clause 7.2, yet its positioning could be interpreted as applying only to the cutout sectionalizer mentioned.	Suggestion: Move the sentence of line 779 to the end of the clause to be the last sentence of the clause. Combine the sentences of 777 and 779 since both are about insulation levels. Combine line 780 ("Sectionalizers should be capable of withstanding...") with the sentence of line 783 into one paragraph since both sentences apply to all sectionalizers.		
Bonner, JA	16	14	7.1	798	Editorial	The words "Grouping of tests" may be a subclause title.	Create subclause title "Grouping of tests" or remove words		
Bonner, JA	22	18	7.2.6.1	821	Technical	Time for wet test is not given	Provide time for wet test.	Rejected	Clause calls out IEEE Std 4 and the IEEE 4 -2013 Table 5 specifies the test
Bonner, JA	23	18	7.2.6.1	822	Technical	IEEE Std. 4 subclause 11.2 does not have a test procedure entitled "standard test procedure practice in the US". Table 5 of subclause 11.2 of Std 4 has a procedure titled "Standard test procedure" and a different procedure entitled "Previous practice in USA".	C37.62 and C37.60 have opted to leave the "Previous practice in the USA" and go to the "Standard test procedure". If the "Standard test procedure is included in this C37.63, changes will need to be made to Table 1 col 5. It is suggested that C37.63 uses the "Standard test procedure" of Std 4.	Rejected	IEEE 4-2013 clause 11.2.2 does have this.
Bonner, JA	24	18	7.2.6.1	829	Technical	If "standard test procedure" is chosen for C37.63, this line can be deleted or modified to note that the 60s wet test is required for all line entries of Table1.	use the "Standard test procedure" and delete the line	Rejected	This was previously covered and the table values will be modified to show the new Standard test withstand values.
Bonner, JA	25	18	7.2.6.2	839	Editorial	clarity needed: Are the "specified" voltage levels those of C37.63 Table 1 and 2 or values from C37.100.1-2018?	add "than those that are specified in Tables 1 and 2 of this standard"		
Bonner, JA	26	20	7.4.2.	873	Editorial	Table 7 - footnote "a" needs to be enclosed in the table 7 outline box per the IEEE SA style guide. See comment on line 711.	enclose footnote "a" in Table 7 outline box		
Bonner, JA	27	21	7.4.2.	878	Editorial	Table 8 - footnote "a" needs to be enclosed in the table 8 outline box per the IEEE SA style guide. See comment on line 711.	enclose footnote "a" in Table 8 outline box		
Bonner, JA	28	21	7.4.5	886	Editorial	since C37.100.1 does not apply and there is no alternate instruction given, add comment that there are no requirements at this time.	Add "There are no additional requirements at this time."		
Bonner, JA	29	21	7.5.1	897	Editorial	clarity needed: Are the "specified" voltage levels those of C37.63 Table 1 and 2 or values from C37.100.1-2018?	specify the voltages levels referred to		



Project PC37.63-D1.4 - Clean- Comments-ver2

Name	Comment			Line Number	Type of Comment	Comment	Proposed Change	Disposition	
	Number	Page	Sub-clause					Status	Disposition Detail
Bonner, JA	30	22	7.5.5	907	Editorial	reference to 7.75 of does not exist in C37.100.1-2018. Correct reference	Correct the reference to 7.75		
Bonner, JA	31	22	7.6	910	Editorial	The statement claims C37.63 does not cover specs for degrees of protection for enclosures. However, it seems that 6.11 "Degrees of protection provided by enclosures" does cover the specs.	clarify the statement		
Borck, Chris	Borck/7	22	7.8	914	Editorial	Reference error	Replace 7.21 with 7.18		
Bonner, JA	32	22	7.8	915	Editorial	Make sentence more definitive.	Change sentence to "Control elements surge withstand tests are specified in subclause 7.21."		
Bonner, JA	33	22	7.9	917	Editorial	clarity: change "...does not cover any additional specifications for tests..." to "...does not require any additional tests..."	clarity: change "...does not cover any additional specifications for tests..." to "...does not require any additional tests..."		
Borck, Chris	Borck/8	22	7.11.2.1	933	Editorial	Reference error	Replace 6.27 with 7.16		
Bonner, JA	34	22	7.11.2.1	934	Technical	referenced clause (6.37) does not exist.	correct reference	Accepted	Reference changed to 7.16. However Peter Agliata and chair will look to see if C37.30.4 deals with this and could be tied in. A recommendation will be sent to
Bonner, JA	35	23	7.11.2.2	942	Editorial	typo	change "does not apply does not apply" to "does not apply"		
Bonner, JA	36	24	7.12.2	973	Editorial	IEEE C37.09-1999 is an inactive version of the standard. Can it be updated to the current version?	Check that the latest version applies and delete the year "1999" if it applies.		
Bonner, JA	37	24	7.13	993	Editorial	clarity	Change sentence, "...a continuous current test with no thermal runaway shall be performed" to "...a continuous current test shall be performed with no thermal runaway occurring."		
Bonner, JA	38	25	7.14	1008	Editorial	7.22 is a reference error? 7.22 is a dielectric production test and probably does not apply.	Correct the reference "7.22".		
Bonner, JA	39	25	7.14.2	1015	Editorial	Should the requirements to qualify a "steady temperature" be defined? 1 degree change per minute, per hour, or per day?	specify or reference a definition of a "steady temperature"		
Bonner, JA	Borck/9	26	7.15.2	1056	Editorial	Reference error	Replace 6.36.2 with		
Bonner, JA	40	26	7.15.2	1057	Editorial	reference "6.36.2" does not exist in this standard. Replace with correct reference.	Replace reference "6.36.2" with correct reference.		
Bonner, JA	41	26	7.15.3	1061	Editorial	"ambient temperature" refers to the temperature in the environment surrounding an object. If outdoors, the ambient changes by season and time of day. Would "room temperature" be more what is desired?	Change "ambient temperature" to "room temperature"		
Bonner, JA	42	26	7.15.4	1065	Editorial	C37.301 became inactive Mar 25, 2021. What is the current active standard to cover this testing?	Replace C37.301 with the currently active partial discharge testing standard.		
Bonner, JA	43	27	7.16.1	1099	Editorial	delete quotation marks at end of sentence.	delete quotation marks at end of sentence.		
Bonner, JA	44	27	7.16.3	1119	Technical	Test duty 5 has been in the standard for a long time but is it needed if the unit passed Test duty 3? Can it be deleted?	Delete Test Duty 5	Rejected	Test Duty 5 verifies condition after test duty 4 therefore needs to remain..
Bonner, JA	45	28	7.16.5	1123	Editorial	reference 7.17.1.3 applies only to series coil sectionalizers. Since 7.16.5 applies to all sectionalizers, is the reference correct?	replace "7.17.1.3" with the correct reference		
Bonner, JA	46	28	17.16.6	1129	Editorial	enclose footnotes "a" and "b" in the Table 9 outline box per style manual.	enclose footnotes "a" and "b" in the Table 9 outline box		
Bonner, JA	47	29	7.17.1.3	1151	Editorial	clarity	Re phrase sentence starting at "...in the open position..." to "...in the open position. In the closed position, it shall be capable of functioning correctly on overcurrent, going through its counting cycle..."		
Borck, Chris	Borck/10	29	7.20	1169	Editorial	It appears that this was directly copied from IEEE Std C37.60-2018. Recloser is referenced throughout in place of sectionalizer	Replace "recloser" with "sectionalizer".		
Bonner, JA	48	29	7.20	1170	Editorial	clause 7.20 is entitled for "recloser" and refers to "recloser" throughout the clause.	Eliminate clause if does not apply to sectionalizers or change references from "reclosers" to "sectionalizers".		
Bonner, JA	49	29	7.20	1170	Editorial	Clause 7.14 has a section on post test characteristics (7.14.3). Does 7.14 need to be included in 7.10?	Eliminate 7.14 from 7.20 if 7.14.3 is adequate for post test condition of 7.14.		
Bonner, JA	50	29	7.20	1170	Editorial	There are many similarities between clauses 7.13, 7.14.3, and 7.20. Can they be combined into one clause to simplify the use of the standard?	Combine 7.13, 7.14.3, and 7.20 if possible.		

Project PC37.63-D1.4 - Clean- Comments-ver2

Name	Comment			Line Number	Type of Comment	Comment	Proposed Change	Disposition	
	Number	Page	Sub-clause					Status	Disposition Detail
Borck, Chris	Borck/11	29	7.20.1	1171	Editorial	Recloser is referenced in place of sectionalizer	Replace "recloser" with "sectionalizer".		
Borck, Chris	Borck/12	29	7.20.1	1172	Editorial	Recloser is referenced in place of sectionalizer	Replace "recloser" with "sectionalizer".		
Borck, Chris	Borck/13	30	7.20.1	1174	Editorial	Recloser is referenced in place of sectionalizer	Replace "recloser" with "sectionalizer".		
Borck, Chris	Borck/14	30	7.20.1	1175	Editorial	Recloser is referenced in place of sectionalizer	Replace "recloser" with "sectionalizer".		
Bonner, JA	51	30	7.20.1	1177	Editorial	reference to 7.108 - the reference does not exist in C37.63	Replace "7.108" with correct clause		
Borck, Chris	Borck/16	30	7.20.1	1178	Editorial	Recloser is referenced in place of sectionalizer	Replace "recloser" with "sectionalizer".		
Borck, Chris	Borck/17	30	7.20.1	1181	Editorial	Recloser is referenced in place of sectionalizer	Replace "recloser" with "sectionalizer".		
Borck, Chris	Borck/18	30	7.20.1	1190	Editorial	Recloser is referenced in place of sectionalizer	Replace "recloser" with "sectionalizer".		
Borck, Chris	Borck/19	30	7.20.1	1191	Editorial	Recloser is referenced in place of sectionalizer	Replace "recloser" with "sectionalizer".		
Borck, Chris	Borck/20	30	7.20.1	1192	Editorial	Recloser is referenced in place of sectionalizer	Replace "recloser" with "sectionalizer".		
Borck, Chris	Borck/21	30	7.20.1	1192	Editorial	The appropriate standard is not included with the clause number	Include C37.60-2018 with the clause number		
Borck, Chris	Borck/22	30	7.20.1	1193	Editorial	The appropriate standard is not included with the clause number	Include C37.60-2018 with the clause number		
Borck, Chris	Borck/23	30	7.20.1	1194	Editorial	Recloser is referenced in place of sectionalizer	Replace "recloser" with "sectionalizer".		
Borck, Chris	Borck/24	30	7.20.1	1195	Editorial	The appropriate standard is not included with the clause number	Include C37.60-2018 with the clause number. The line should read " experience thermal runaway (see 7.113 of C37.60-2018)."		
Borck, Chris	Borck/25	30	7.20.1	1197	Editorial	Recloser is referenced in place of sectionalizer	Replace "recloser" with "sectionalizer".		
Bonner, JA	52	31	7.20.2	1218	Editorial	short-circuit interruption test is not applicable to a sectionalizer.	delete paragraph and replace with an appropriate test.		
Found, Paul	FOUND/7	31	7.2	1222	editorial	Production Tests should be listed as clause 8	Add numbering to this line (ie. 8.0 Production Tests (routine tests). Other numbering in this section must be adjusted as well.		
Bonner, JA	53	31	7.20.2	1223	Editorial	Production testing clause should have its own clause.	Start clause 8 entitled "Production tests (routine tests)"		
Bonner, JA	54	31	7.21	1224	Editorial	should be clause 8	change "7.21" to "8.1" and verify that the following clauses also change to "8.xxx"		
Borck, Chris	Borck/26	31	7.21	1229	Editorial	The routine test name listed is not correct	Replace with "a) Dielectric withstand test; one minute dry power-frequency in accordance with 7.22"		
Borck, Chris	Borck/27	31	7.21	1230	Editorial	The routine test name listed is not correct	Replace with "b) Tests on auxiliary and control circuits in accordance with 7.23"		
Bonner, JA	55	31	7.21	1230	Editorial	should be clause 8	change all references in lines 1230 to 1236 from "7.xxx" to "8.xxx".		
Borck, Chris	Borck/28	31	7.21	1231	Editorial	The routine test name listed is not correct	Replace with "c) Tightness tests in accordance with 7.24"		
Borck, Chris	Borck/29	31	7.21	1232	Editorial	The routine test name listed is not correct	Replace with "d) Operational calibration in accordance with 7.25"		
Borck, Chris	Borck/30	31	7.21	1233	Editorial	The routine test name listed is not correct	Replace with "e) Partial discharge test in accordance with 7.26"		
Borck, Chris	Borck/31	31	7.21	1234	Editorial	The routine test name listed is not correct	Replace with "f) Mechanical tests in accordance with 7.27"		
Bonner, JA	56	32	7.24	1251	Editorial	Production tightness tests do not appear to be specified.	specify production tightness test or reference if specified elsewhere.		
Found, Paul	FOUND/8	32	7.25	1254	technical	addition of any of the radio communication basic functionality tests that are associated with this style of phase-phase communicating devices.	Add: f) phase-phase communication and actuation of each phase within published operating ranges.	Accepted	
Borck, Chris	Borck/32	32	7.26	1268	Editorial	Reference error	Replace 7.16 with 7.15		
Bonner, JA	57	34	Annex A	1284	Editorial	May want to use the X/R ratios annex of C37.62 since several errors were found with older versions of this annex	use the X/R ratios annex of C37.62		
Borck, Chris	Borck/15	30	7.20.1	1175-1177	Editorial	Time-current characteristics is not a condition of the sectionalizer.	Remove "The time-current characteristics of the recloser as defined in 7.108 shall be substantially the same as initial (prior to test duty) values."		

Project PC37.63-D1.4 - Clean- Comments-ver2

Name	Comment			Line Number	Type of Comment	Comment	Proposed Change	Disposition	
	Number	Page	Sub-clause					Status	Disposition Detail
Chris Morton	1	21	7.5.3	902	technical	It's not clear what is meant by 'counting operation' in the context of the short-circuit test.	Change sentence on lines 901/902 to: 'Only one application of short-circuit current is required at each test duration given in 5.8.'	Accepted	
Chris Morton	2	22	7.5.5	906	editorial	missing '.'	Change '7.75' to '7.7.5'		
Chris Morton	3	22	7.11.2.1	933	editorial	wrong clause '6.37' referencened	Change '6.37' to '7.16'		
Chris Morton	4	23	7.11.2.2	941	editorial	repeating words	delete one occurrence of 'does not apply'		
Chris Morton	5	23	7.11.2.2	941/942	technical	Subclause 4.4.1 b) does not apply, but does that mean that any other parts of subclause 4.4.1 apply? If they do, then it doesn't state that anywhere. If they don't then why only specify that 4.4.1 b) does not apply and not all of 4.4.1?	Delete the reference to 4.4.1 b) if none of 4.4.1 applies. If parts of 4.4.1 do apply, then change to 'Subclause 4.4.1 applies except that 4.4.1 b) does not apply since 7.11.1 a) of C37.63 states single-phase testing is not permitted for three-phase sectionalizers.'	Accepted	We modified how it reads.
Chris Morton	6	23	7.11.2.2	946	editorial	missing word 'applies'	Subclause 4.5.1 of IEEE C37.100.2-2018 applies except'		
Chris Morton	7	24	7.12.2	970-972	technical	In some cases it is not possible to reach the target peak current due to pre-arcing. Does the statement regarding the prospective peak in C37.30.3 Clause 8.2.4.4, paragraph 2, apply in this case?			Kennedy Darko, Travis Johnson, Chris Morton, and Frank DeCesaro will meet between meetings to develop a recommendation to present.
Chris Morton	8	28	7.16.5	1122	technical	The clauses referenced for the condition after the test are incomplete	Change to 'The condition of the sectionalizer shall be as required in subclauses 7.17.1.3 and 7.20'	Accepted	
Chris Morton	9	30	7.20.1	1192	technical	Wrong clause '7.4.4' referenced for resistance measurement	Change '7.4.4' to '7.3'.	Accepted	
Chris Morton	9	30	7.20.1	1193	technical	Wrong clause '7.4.4' referenced for resistance increase limit	Change '7.4.4' to '7.3'.	Accepted	