

WG	*SA activity	OUTPUT	SA #	TITLE	CHAIR	VICE CHAIR	SECRETARY	START	ASSIGNMENT	DRAFT #	BALLOT	RESOLVE	SUMMARY	# of Meetings	Estimated Attendees	Avoid Conflicts
B. PSRC Administrative Subcommittee, 10 Active Working Groups and Task Forces					Michael Thomson	Gene Henneberg	Jim Niemira									
B		On going		By invitation - PSRC SC Chairs coordination meeting	Michael Thomson		Jim Niemira									
B1		On going		By Invitation - Awards and Technical Paper Recognition	Andre Uribe	Mal Swanson										
B2		On going		By Invitation - Fellows Award - meets with PSCCC A2TF	T.W. Cease	Ken Martin										
B3		On going		Membership - New Comers Orientation	Mal Swanson	Cathy Dalton										
B4		On going		By Invitation - PSRC Long Range Planning	Murty Yalla											
B5		On going		Publicity	Cathy Dalton											
B8		On going		PSRC O&P Manuals Revision and WG Chair Training	Don Lukach											
B9		On going		PSRC Website	Rick Gamble											
B10		On going		By Invitation - Inverter Based Resources Steering Working Group	Thompson	Henneberg		on going						1	15	Invitation Only, Wednesday last morning meeting, avoid other IBR activities
B11		On going		SC21 Distributed Resources Standard Coordination - OPEN TO ALL	Ben Kazimier	Wayne Stec	Mat Garver	22	x	1				1	20	Avoid B10, Wed morning if possible
C. Systems Protection Subcommittee, 18 Active Working Groups and Task Forces					Higginson	Patel								1	60	
C23		On going		Coordination of Synchronphasor Related Activities	Yi Hu	Gustavo Brunello		13	x	na				1	20	Avoid other synchronphasor related activities & Schedule on Monday afternoon.
C29		Report		Power System Testing Methods for Power Swing Blocking and Out of Step Tripping	Kevin Jones	Mike Kockott		16	x	1.09				1	30	Avoid D29, D37, D42, D47, D48, CTF51, and DTF52. If possible also D38.
C33	*	Rec'd Prac	2004	HIL Simulation Testing Power Apparatus & Ctrl	Dean Ouellette	Sakis Meliopoulos	Aaron Findley	17	x	D3	X			1	40	Avoid C28, H50, H47. Do not plan to meet in May 2024.
C38	*	Guide	2030.12	Design of Microgrid Protection Systems	S. S. (Mani) Venkata	Michael Higginson		18	x	1.5	X	X		1	60	Avoid I29, I2.
C39	*	Guide	C37.252	Guide for Testing Automatic Voltage Control Systems in Regional Power Grids	Xiaopeng Li	Kai Liao		18	x	6				1	20	
C40		Tutorial		Prepare a tutorial from the work of C37.247 Standard for Phasor Data Concentrators	Vasudev Gharpure	Mital Kanabar		19	x	1.01				1	10	
C41		Report		Investigate performance requirements for Distribution PMUs	Ken Martin	Nuwan Perera	Dinesh Gurusinghe	21	x	0.9				1	20	Avoid C23, C28, and PSCC P9, P10, P0 (SC)
C43		Report		Artificial Intelligence and Machine Learning technologies for power system protection and control applications	Yi Hu	Adi Mulawarman		20	x	115.0				1	50	Avoid PSRC B1, C23, C41, C45, H54, K18, D47/DTF47, D42, PSRC B2/PSCC A2TF, and for PSCC, P9 and P10.
C44		Paper		Prepare a Summary Paper based on the Contents of the Report Prepared by the C24 WG "Modification of Commercial Fault Calculation Programs for Wind Turbine Generators"	Sukumar Brahma	Evangelos Farantatos		20	x	10.0				1	30	Avoid C38, C45, CTF47, C50, C51, and B10. Do not plan to meet in May 2024.
C45		Report		Protection and short-circuit modeling of systems with high penetration of inverter-based resources	Ali Hooshyar	Manish Patel		21	x	1				1	60	Avoid B10, I38, J18, and J20
C46		Transactions Paper		Draft a summary paper of C37.242: Guide for Synchronization, Calibration, Testing, and Installation of Phasor Measurement Units (PMUs) for Power System Protection and Control	Allen Goldstein	Deepak Maragal		21	x	0.4				1	30	Avoid other synchronphasor related activities
CTF47				Relay Modeling in Electromechanical Dynamic Simulations for Power System Dynamic Performance (PSDP) committee	Evangelos Farantatos	Mohammad Zadeh		21	x	1				1	20	Avoid C38, C44, C45, C50, CTF51, B10, K29, D44, H45.
C48		Summary Paper		Summary paper of C37.120 Guide for Protection System Redundancy for Power System Reliability	Alla Deronja	Melvin Moncey Joseph		22	x	6			X	1	20	Avoid D42, D47, D37, K31, C52, and I2
C50		Report		Revise and expand PES-TR87 Protection of Wind Electric Plants to explicitly address other IBR plants (e.g., solar and battery energy storage)	Brandon Davies	Amin Zamani		22	x	1				1	30	Avoid C45, D43, K31, and D45, KTF32
C51		Report		Investigate revising C37.117, Guide for the Application of Protective Relays Used for Abnormal Frequency Load Shedding and Restoration	Kevin Jones	Chase Lockhart		22	x	TBD				1	30	Avoid B10, C29, C45, and D29
C52	*	Guide		Revise standard C37.246 IEEE Guide for Protection System of Transmission-to-Generation Interconnections.	Melvin Moncey Joseph	Mike Jensen	Muhammad Hamid	23	x					1	40	Avoid B3, C45, C48, C50, D37, D42, D53, J17, K27, I49/P21
C53		Report		Develop a Technical Report summarizing the collection, management, and analysis of protection & control data sets for artificial intelligence and machine learning applications	Dan Sabin	TBD		23	x					1	30	Avoid C43
CTF54				Investigate the need for a new standard or technical report to define the architecture and functional requirements of Protection, Automation, and Control (PAC) Systems for Data Centers including Electrical Power Monitoring System (EPMS) integration	Andre Melo	TBD		24	x					1	15	Avoid P13, P14, P21, H30, H31 if possible D47.

WG	*SA activity	OUTPUT	SA #	TITLE	CHAIR	VICE CHAIR	SECRETARY	START	ASSIGNMENT	DRAFT #	BALLOT	RESOLVE	SUMMARY	# of Meetings	Estimated Attendees	Avoid Conflicts
D. Line Protection Subcommittee, 18 Active Working Groups and Task Forces					Meyer Kao	Alla Deronja								1	60	
D29		Tutorial		Tutorial for Setting Impedance-Based Power Swing Relaying on Transmission Lines	Kevin Jones	Normann Fischer		14	x	1.10	x			1	30	Avoid B10, C29, D34, C51, and I4
D30		Tutorial		Tutorial on Application and Setting of Ground Distance Elements on Transmission Lines	Karl Zimmerman	Ted Warren		14	x	9.0				1	30	Avoid D44 and D47
D34				Coord w/ IEC 60255-187-3 Functional Spec for Line Current Diff Req	Normann Fischer			15	x	1.09				1	15	D19, I4
D35		Report		Evaluation of Transmission Line Pilot Protection Schemes	Rick Gamble	Brandon Lewey		16	x	12.0	x			1	50	Avoid DTF55, D38, D42, & K25.
D37		Report		Report on Impact of Series Compensation on Transmission Line Protection	Mike Kockott	Nuwan Perera	Melvin Moncey Joseph	17	x	1.12				1	15	Avoid C29, C41, C48, C52, D29, D42, D47, J18, I49, B3 and if possible, also D30, D38, J19
D38		Report		Impact of High SIR on Line Relaying	Chris Walker	Greg Ryan	Greg Ryan	17	x	1.5				1	40	Avoid D42, D43, D53
D42		Guide	C37.113	IEEE Guide for Protective Relay Applications to Transmission Lines	Jeff Barsch	Rick Gamble	Josh Lamb	20		2.2				1	50	Avoid D30, D35, D38, and K25
D43		Report		Effect of Distribution Automation on Protective Relaying	Greg Ryan	Amin Zamani	Joshua Hughes	21	0	2.2	x			1	30	Avoid D38, D53, C45, and C50.
D44		Guide	C37.114	IEEE Guide for Determining Fault Location on AC Transmission and Distribution Lines	Sebastien Billaut	Karl Zimmerman	Looja Tuladhar	20	0	3.1.2				1	30	Avoid C38, D30, D35, D38, D42, K22, K27, and K29.
D45		Report		Protection methods used to reduce wildfire risks due to transmission and distribution lines.	Jon Sykes	Scott Hayes	Bruce Mackie	20						1	40	
D47		Guide	C37.243	IEEE Guide for Application of Digital Line Current Differential Relays Using Digital Communications	Alla Deronja	Steve Klecker	Galina Antonova	21		7.7				1	40	Avoid C48, K31, D42, C52, I2
D48		Report		Report on Single phase Trip and Reclose on Transmission Lines	Kamal Garg	Iliia Voloh		21		4.1				1	30	Avoid K26, K25, K34, D42
D50		Paper		Summary Paper for C37.104 Guide for Automatic Reclosing on AC Distribution and Transmission Lines	Manish Patel	Joshua Lamb	Miguel Rios	22	x	Final	x	x		1		No meeting in May; will disband
D51		Report		Protection Consideration for Single Phase Tripping and Reclosing of Distribution Lines	Brian Boysen	Jack Jester		22	x	1.4		x		1	35	Avoid D53, K29
DTF52				Investigating forming a Working Group on "Line Protection based on Transient Quantities	Normann Fischer			24						1	30	Hybrid meeting requested
D53				Report on distribution line protection practices survey	Muhammad Hamid	Greg Ryan	Brian Boysen	23						1	30	Avoid C52, D38, D42, D43 & D51
D54				Protection methods for non-effectively grounded distribution systems	Russ Patterson			24	x					1	20	please schedule Tuesday PM
DTF55				Protection of HVDC systems and dc distribution systems	Brandon Lewey			24	x					1	40	Avoid D38, D35, D42, D47, C41, & K25. Hybrid meeting requested
H. Relaying Communications and Control Subcommittee, 20 Active Working Groups and Task Forces					Hugo Monterrubio	Mital Kanabar	Dean Ouellette							1	75	
H6		Summary Paper		Application Testing of IEC 61850 based Systems	Charlie Sufana	Benton Vandiver		21	x	1.10.23				1	30	Keep same day/time Avoid K11, S11, H46, I31, H22, P17, P16, I35, S7, H44, S5
H17		Report		Establishing Links between COMTRADE, IEC 61850, and CIM	Christoph Brunner	Alex Apostolov		10	x	7	x	x		0	20	No meeting. Work wrapping up
H22	*	Guide	C37.249	Guide for Cyber Security for Protection Related Data Files	Amir Makki	Cesar Calix	Hugo Monterrubio	12	x	8.2	x			0	20	No meeting. Work wrapping up
H27	*	Standard	C37.251	File format for IED configuration Data (COMSET)	Mario Capuozzo	Benton Vandiver	Daniel Sabin	13	x	22	x			1	30	Keep same day/time Avoid H22 and H31
H30		Report		IEC 61850 User Feedback	Depak Maragal	Dustin Tessier	Aaron Martin	15	x	1				1	35	Keep same day/time Avoid H31, H44
H31		Report		Common Protection & Control parameters for COMSET	Depak Maragal	Alex Apostolov		15	x	10				1	20	Keep same day/time Avoid H30
H40	*	Recd Practice	C37.1.2	Databases Used in Utility Automation Systems	Theo Laughner	Mario Capuozzo		17	x	5				1	15	Keep same day/time Avoid S9
H41	*	Standard	1646	Communication Delivery Time Performance Requirements	Dave Dolezilek	T. W. Cease		17	x	5				1	15	Keep same day/time Avoid H22, H32, H40, H44
H44	*	Guide	C2030.101.1	Monitoring & Diag IEC 61850 GOOSE and Sampled Values Based Systems	Aaron Martin	David Dolezilek	Jose Ruiz	19	x	5				1	40	Keep same day/time Avoid H31, P13, P19, S11, S15, S18, H50
H45	*	Guide	C37.300	Guide for Centralized Protection & Control (CPC) Systems within a Substation	Ratan Das	P. Myrda	Mital Kanabar	18	x	6.401				1	40	Keep same day/time Wed 9:20
H46	*	Recd Practice	C37.1.3	HMI used in Substation Automation Systems	Matt Black	Craig Preuss	Shane Haveron	18	x	0.62				1	30	Keep same day/time Avoid I31, J24, H27, H51, H52, C26 & C33
H47		Report		Investigate Impact of Digital Comms on Prot & Control Applications	Mital Kanabar	Antonio Riccardo	Dean Ouellette	19	x	1.4b				1	30	Keep same day/time Avoid P1, S15, C33, H50 & H46
H49		Report		Application considerations for the Use of Packet-Switched Communication Channels for pilot protection and teleprotection schemes	Steve Klecker	Galina Antonova	Luke Erichsen	20	x	0				1	30	Keep same day/time Avoid A1, B2 and P14. Please schedule for Monday 1:00PM time slot.

WG	*=SA activity	OUTPUT	SA #	TITLE	CHAIR	VICE CHAIR	SECRETARY	START	ASSIGNMENT	DRAFT #	BALLOT	RESOLVE	SUMMARY	# of Meetings	Estimated Attendees	Avoid Conflicts
H50		Report		Requirements for Time Sources in Protection & Control Systems	Dean Ouellette	Jay Anderson		19	x	1.7.4				1	30	Keep same day/time Avoid S15, C33, P20 & P9
H51	*	Standard	C37.239	COMFEDE Revision	Mark Admiak	Pierre Martin	Zack Makki	20	x					0	15	No meeting. Work wrapping up
H52	*	Standard	C37.232	Common Format for Naming Time Sequence Data Files, C37.232, COMNAME	Ellery Blood	Shane Haveron	Amir Makki	21		0				1	20	Keep same day/time Avoid H22, H27, H54, H51, I47 & J23
H53	*	Guide	P1854	Revision of IEEE Guide P1854 Use Guide for Smart Distribution Applications	Xiangyu Ding	Jason Lombardo		21						1	30	Keep same day/time NEW WG Avoid P16, H30, H44, H46, H50, C23, and C41
H54	*	Standard	C37.111	Revision of IEEE C37.111-2013/IEC 60255-24:2013 Standard for Common Format for Transient Data Exchange (COMTRADE)	Mark Admiak	Zach Makki	Dan Saban	21						1	30	Keep same day/time Avoid H51, I43, P20, P19 and S15. Monday morning to facilitate European time zone
HTF55		Report		Investigate Distributed Cyber Physical Assessment for Grid Resilience	Jeff Pack	Craig Rieger		22	x	1				1	20	Keep same day/time Avoid S10
HTF56		Ongoing		H SC Ideation Meeting	Mital Kanabar	Dean Ouelette		24						1	30	Avoid any H WG. Seems like Wednesday 8AM is the only time slot.
I. Protection and Control Practices Subcommittee, 18 Active Working Groups and Task Forces					Ritwik Chowdhury	Angelo Tempone								1	60	
I2		On Going		Terminology Usage Review	Mal Swanson	Claire Patti		on-going						1	20	Request last session time on Wed before Subcommittee.
I4		On Going		International Standards Development (IEC Advisory)	Eric Udren	Normann Fischer		on-going						1	15	Avoid conflict with I38 & D34; I49 & H47 if possible.
I31	*	Standard	P1613	Standard for Environmental and Testing Requirements for Devices with Communications Functions Used With Electric Power Apparatus	Brian Mugalian	Jerry Ramie	Craig Preuss	15	x	3.1	X	X		1	10	Avoid conflict with I37, I40, I36, I41, and H46, I46, I49.
I32		Survey		A Survey of Protective System Test Practices	Andre Uribe	Will Knapek		15	x	3.1				1	20	No meeting planned.
I33		Report		Review of Relaying Testing Terms	Scott Cooper	Hugo Monterrubio		15	x	2.0				1	10	No meeting planned.
I36	*	Standard	PC37.90.2	Revision of - Standard for Relays, Relay Systems, and Control Devices used for Protection and Control of Electric Power Apparatus – Radiated Electromagnetic Interference Withstand Capability Requirements and Tests	Chase Lockhart	Mat Garver		17	x	4	X			1	20	No meeting planned.
I37	*	Standard	PC37.90	Review of Standard for Relays and Relay Systems Associated with Electric Power Apparatus	Marilyn Ramirez	Bill Morse		18	x	2.0				1	20	Avoid conflict with I31, I34, I36, I40, I41.
I40	*	Standard	PC37.90.1	Standard for Relays, Relay Systems, and Control Devices used for Protection and Control of Electric Power Apparatus- Surge Withstand Capability (SWC) and Electrical Fast Transient (EFT) Requirements and Tests	Roger Whittaker	Todd Martin		18	x	4				1	20	Avoid conflict with I33, I36, I37, I41, K18, I38, I31.
I43		Report		EMP Resiliency	Angelo Tempone	Dolly Villasmil	Johnny Moore	19	x					1	30	Avoid conflict with D28. Request hybrid meeting format since most contributors do not get approval for trips. Monday meeting
I44		Report		Skills Required to Program, Commission, Test, and Maintain Ethernet Based PAC Systems	Andre Uribe	Will Knapek		20	x	1.0				1	20	No meeting planned.
I45		Report		Grounding and Bonding Issues Associated With Substation Wiring Practices and Instrumentation	Adrian Zvarych	Jalal Gohari		20	x					1	20	Avoid conflict with I46. Request hybrid meeting format and associated teleconference equipment.
I46	*	Guide	PC57.13.3	Review and determine need of revision of IEEE C57.13.3-2014 - IEEE Guide for Grounding of Instrument Transformer Secondary Circuits and Cases	Bruce Magruder	Sudarshan Byreddy		21	x					1	20	Avoid conflict with I31, I36, I37, I40. I41, I42, I45.
I47	*	Rec. Practice	PC37.231	Review and determine need of revision of IEEE C37.231-2006 - IEEE Recommended Practice for Microprocessor-Based Protection Equipment Firmware Control.	Milton Quinteros	Nicholas Kraemer	Charles Pestell	21	x					1	20	Avoid conflict with I26, P13, P15, S16, and S17. List as a joint activity with S18. Request hybrid meeting format and associated teleconferencing equipment.
I48	*	Guide	PC37.103	Revision of IEEE C37.103 Guide for Differential and Polarizing Relay Circuit Testing	Mohit Sharma	Gary Kobet		21	x					1	15	Avoid time slot after 4:30 PM. Hybrid format if possible
I49		Report		Roadmap for developing new or updating existing IEEE standards to address issues of Centralized Protection and Control (CPC) Systems	Craig Preuss / Brian Mugalian		Melvin Moncey Joseph	23	x					1	30	Joint with PSCCC P21, scheduled through PSCCC. Similar to I31: Avoid conflict with I37, I40, I36, I41, and H46, I46, I31.
I50		Paper		Develop a summary paper for IEEE Std C37.92 Standard for Low-Energy Analog Interfaces between Protective Relays and Power System Signal Sources	Eric Udren	Peiman Dadkhah		23	x					1	20	Avoid conflict with I4, ITF52, J20, and C45.
I51		Paper		Develop a summary paper for IEEE Std C37.110 Guide for the Application of Current Transformers for Protective Relaying Purposes	Juan Gers			24	x					1	20	Avoid conflict with J13.
ITF52		NA		Determine need for a corrigendum for IEEE Std C37.92-2023 and draft a PAR if there is a need	Eric Udren			24	x					1	20	Avoid conflict with I4, I50, J20, and C45.

WG	*SA activity	OUTPUT	SA #	TITLE	CHAIR	VICE CHAIR	SECRETARY	START	ASSIGNMENT	DRAFT #	BALLOT	RESOLVE	SUMMARY	# of Meetings	Estimated Attendees	Avoid Conflicts
J. Rotating Machinery Subcommittee, 14 Active Working Groups and Task Forces					Will English	Jason Eruneo								1	40	
J15		Report		Investigation of the criteria for the transfer of motor buses	Wayne Hartmann	Doug Weisz		15	X	13B	WG			2	30	Avoid All J, particularly J16, J17 & J20
J16	*	Guide	C37.101	Revision of PC37.101, Guide for Generator Ground Protection	Ryan Carlson	Doug Weisz		16	X	4b	WG			2	30	Avoid All J, prefer meeting on Tuesday or Wednesday
J17	*	Guide	C37.102	Revision of PC37.102, Guide for AC Generator Protection	Manish Das	Gary Kobet		17	X	7.8	SA			1	40	Avoid all J, especially J16. Currently in IEEE-SA Editorial review
J20		Report		Report on Practices for generator synchronizing systems	Jason Eruneo	Ritwik Chowdhury		19	X	11.1	PSRC			1	30	Avoid C45, I38, J17, J25, K31,C50
J21		Tutorial		Motor Protection Tutorial	Derrick Haas	JC Theron		19	X	0				1	30	Avoid all J, especially J22 (Schedule to immediately follow J22)
J22	*	Guide	C37.96	Revision of PC37.96, Guide for AC Motor Protection	Zeeky Bukhala	Jason Buneo		21	X	1				2	30	Avoid J15, J21,JTF28 (Schedule to immediately precede J21). If possible also avoid J16, J17, J20, J26, J27, K31, and J25
J23		Report		Report on Generator Condition Monitoring	Steve Turner	Rob Messel		21	X	0				1	20	Request a hybrid meeting with the VoIP conference phone
J24		Report		Report on Synchronous Generator Disturbance Recording	Shane Haveron	JC Theron		21	X	0				1	10	Avoid H46, H52, and all J, especially J21, PSCC S15
J25		Report		Report on Synchronous Condenser Protection	Jason Eruneo	Dale Finney		21	X	3.2				1	40	Avoid D29, J17 J20, K31
J26		Summary Paper		Summary Paper - Modeling of Generator Controls for Coordinating Generator Relays	Juan Gers	Phil Tatro		22	X	0				1	30	Avoid J17
J27		Summary Paper		Summary Paper - Revision of PC37.106, Guide for Abnormal Frequency Protection for Generating Units	Bracy Nesbit	Jay Mearns		22	X	0				1	15	Avoid J16
JTF28				Prepare J6, J14 papers for publication	Zeeky Bukhala	Dale Finney		22	X					1	10	Avoid J15, J21, J22, and J25. If possible also avoid J16, J17, J20, J26, J27, K31.
JTF29				J Subcommittee Scope Review										0		JTF29 will begin meeting in September 2024
J30		Summary Paper		Summary Paper - Revision of PC37.102, Guide for AC Generator Protection	Steven Mueller									1	40	Avoid J17, J16, J27, J25
K. Substation Protection Subcommittee, 10 Active Working Groups and Task Forces					Adi Mulawarman	Brandon Davies								1	50	
K12	*	Guide	C37.431.20	Guide for Prot Static VAR Compensators Joint w/ Subst I9	Satish Samineni	Martin Best	Martin Best	13	x	27				1	20	Avoid KTF32, K25, K31
K25	*	Guide	C37.99	Guide for the Protection of Shunt Capacitors	Rick Gamble	tbd		18	x	1.1				1	30	Avoid D38, D50, KTF32, K12, D42, H45, DTF55, C52, & D53
K26	*	Guide	C37.109	Guide for the Protection of Shunt Reactors	Kamal Garg	Illia Voloh	Illia Voloh	18	x	3.5				0	N/A	Not planning to meet in May as work will be complete ahead of that. Will likely move to disband at May Meeting.
K27	*	Guide	C37.95	Guide for the Protective Relaying of Utility-Consumer Interconnections	Paul Elkin	Hillmon Ladner	Hillmon Ladner	20	x	3.0				1	30	Avoid K25, K29 and KTF32
K29		Report		Reducing outage durations through improved protection and autorecovery in distribution substations	Sebastien Billaut	Mohamed Zadeh	Lalitha Devarakonda	20	x	1				1	20	Avoid D35, D38, D30, D42, D44, D47, KTF33, C45,K35
K31	*	Guide	C37.119	Guide for Breaker Failure Protection of Power Circuit Breakers	Vahid Madani	Brandon Davies	Brandon Davies	22	x	2.3				1	35	Avoid B3, J25, C26, C50 and KTF32
KTF32		Task Force		Explore the need for a separate guide for protecting Harmonic Filter Banks	Satish Samineni			23						1	20	Avoid K12, K25, K31
KTF33		Task Force		Explore need to amend C37.234 Bus Guide regarding stabilization of ungrounded bus with large or unbalanced shunt capacitance	Sebastien Billaut			23						1	20	Avoid D35, D38, D30, D42, D44, D47, K29, C45
K34		Summary Paper		Summary Paper for C37.109 Guide for the Protection of Shunt Reactors	Kamal Garg	Illia Voloh		23	x	1.0				1	20	Avoid K25 and D48
K35		Report		Applying ground detection banks to ungrounded systems or systems that can become unintentionally ungrounded	Sebastien Billaut			24	x					1	20	Avoid D35, D38, D30, D42, D44, D47, KTF33, C45,K29