Parameter	Description Presk Open Circuit Detection Voltage	Special Notes	PSA-3000 Reference Manual
Pear Det valid- Nin Det Vvalid- Det volt Step dytest-	Pres den under Leiberten vielsen Meinum Detechnisten wirt Veld Detection Storestre Meinum Veld Ster Vielsen wirt Veld Detection Storestre Minumum 802. Jat Velage Step Magnlude	If d'Alexi sing size measures under 1 Vol; then it may be that the PSE is using alternate staps to make the restations measurement. If 'Indy' appare with this parameter, than Good, Sig, Det, Pulse mark the 2 or more stars: no this is a "LAS".	
Detection Slow Good Sig Det Fulse- Bacooff voltage- Boon_802_Step_V-	khovine ny San Siana Dala. Mandrar of Valled Statistican Transitions II. a. bateven valid star: levelsh 20. E. State valkana dustra deterction backoff Peak Non-802. 3at ( < 2.8 Vol) Sing: Voltage Lavel	That is expaning that PGE may be using additional regarding and measurements prior to or as part of normal RG2 and aduction measurements. These may be beneficial in initiality detection parts areas in a norm-20 factor. Interpret from and not of the mark is a norm-20 factor. Interpret from and not of the The RG2 at specification often not define negativements for detection containers when induce the local as startice analy and areas.	
High_Hig_Maxv- Non_H02_Bisor_>-	Maximum Detection Voltage with High Detection Signature This timey indicator is set to "1" when a FSE is determined to be using means other from correl 802 Jat detection measurements to resche the weld detection range. Tone d: Normal 802 Jat Detection Methods.	8/2. 2at detection pulses when PD signatures are somewhat out of	
	Novel: Brend BE2 and Delection Marchin Tools - Frontiering the Delection Characteria Tools - Zone Backeth Twee PEE Drug Desensed Tools - Zone Classific Standen Includes STL, Learnor Delection Puters Type 4: Proprietary The Delection Clasmed with Open Circuit - Open Circuit Valing analish FD Calcinol Clasmed with Open Circuit - Open Circuit Valing and Stander Delection Valing Beach Type 5: Zone-Backeth Type FZE Delemined - Open Circuit Valinge analish Type Backeth Valing Beach	measurements and the signature is a trading insolution will device the bard That parents - Subjection (EX) and March March March March March March - Subjection (EX) and March March March March March March March March March March March March March parents. Zhen Sheck of means the P22 dates on these datase and the site of the site of the site of the site of the means of the site of the site of the site of the site of the means of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the site of the si	
t: det I Init_Current_Inc- Det Current Inc-	Peak Current Flow During Detection Below 2.8 Vote Peak Current Flow During Detection Above 2.8 Vote	specified value 1 granue cano.	Section 5.4
ni dai ranna Rocod_Max- Rocod_Min- Roid_det-	Meximum Valid Detection Signature Resistance Meimum Valid Detection Signature Resistance Meximum (or Minimum) Detection Signature producing a power-up given	Assess if detection measurement is sensitive to when the detection	
Cgood Max- Noad Chad Stat-	reasers for remaining transient agrission producing a power-op great connections with various time allowments to the detection measurement. Meximum Valid Detection Signature Capacitance PSE response to manginally invalid Rdet + lowest rejected Cdet value	zionature is connected. Determine il addino capacitance causes a hish detection signature	
at dad times Rackoff_Time_Toko- Kff_Backoff_Tiko_eff-	Backoff Time Between Detection Pulses	In become while to PSE. With ALT & PSET, which requirement is minimum 2 seconds. With ALT APSET, HEER recommended eventuation of the first describe reprint completing however thin is not a strict requirement. Report all "Inter ALT APSEL with longer than 1.5 second accorder, allowing all "Inter ALT APSEL with longer than 1.5 second accord. allowing all "Inter ALT APSEL with longer than 1.5 second accord. allowing all "Inter ALT APSEL with longer than 1.5 second accord. allowing and "Inter ALT APSEL with longer than 1.5 second accord. allowing and "Inter ALT APSEL with longer than 1.5 second accord. allowing and "Inter ALT APSEL with longer than 1.5 second accord. allowing the appendix of the accord of the Inter ALT APSEL and the accord accord accord and the accord accord accord accord and the accord a	
mackoff_Type-	Effective Backell Tene Folkeide (held Signature Measurement - measure time from Invalid detection with wild detection producing a power-op. Type 0: Normal IXI2 and Detection Backells Type 1: Ro-Ro-Backell Signating Detected Type 1: Ro-Ro-Backell Signating Detected Type 1: Ro-Ro-Backell Detection Type Type 1: Ro-Ro-Backell Detection Type	Sumber for delection time.	
Detertion_Time_Tdet= Total Det Time=	2: 50 Volt Lagacy Detection Public Detected  Type 3: Publ Double-Detection Scheme  Duration of 000 2nd Detection Means remonts  Table Duration of Detection Public  Detection of Detection Public  Detection of Detection Public  Detection  Detect	For the rout part, now of these we problems. The 50 Lappy, beneticine public well pains 65% common mode in the PC connection if an invelop PD algorithm with measured on the first attempt by the SET goot. No. 400 Lappinghy auxily blackies proprietary detection assistant mich. Pol Robit RobitsCher Detection about of the Income andigoant. Measured one wave and static mich well detection hadron and well and well on their detection heads.	
Begulated_vatep_fout-	PSE Effective Output Impedance During PD Detection given a current- sourcine detection acheme PSE Effective Detect Impedance During PD Detection clasm a sequented	dit_source cannot determine if PSE output is dode protected or if neurons input resistance = 25ut. Pp (peeds_time) MAY be a more accurate indication of Prev. Misamum value reported will be 450KC) as this is highest Zout that can be resolved by the measurement berrhous.	
Regilated Vetep Lout-	PSE Blacke Output Impedance During PD Delection given a current- searcine delection scheme PSE Blacke Output Impedance During PD Delection given a regulated votage detection acheme (e.g. LDW or Zaro effective Zout)		
Class Voltage Volass- Volass Min- Mark_Voltage Visark- Mark Voltage Min-	Awroge Classification Step Voltage Level Minimum Class Voltage dwn Medmum Vald Class Stonature Awroge Mark Region Voltage Level for 2-Swert, Type 2 PSE's only Minimum Mark Region Voltage with Maximum Valid Mark Load Current	Pertains to all PSII's that do PHY classification Mark Region is only tested when High Power Grant Type is PHY and Type-2 (or 2001) Power Mode is tested. The PSI-5000 stimulates true Mark Loads while the PSI-5000 does not meaning ami limits are only enforceable with the PSI-5000.	Section 5.5
Class Time Tpic- Erect_Count-	Classification Time Duration Classification Pulse (Or Event) Count	Must be 1 or 0 Events for Type 1 PSEDs, must be at Amst 1 Event for Type 2 PSEDs. May be 2 Event for Type 2 PSEDs that use 2- Event Power Connes. Most 3 Events (2 Case publics) with a Scorphore Connes. The PSE Case Segment PSE Case Segment Complete the one of the Case Segment PSE Case Segment for the parability of a third classification step.	
Russil Tolei- Russil_Tole2- Mark_Tol- Mark Town-	Duration of Intel Chain Event for Publish for Trens 2. Johnerd PSE Buration of ancored Chain Event for Publish for Trens 2. Johnerd PSE Duration of First Mark Event for Publish for Type 2, 2-Event PSE Duration of ancored Mark Event for Publish for Trens 2, 2-Event PSE	the possibility of a third classification step. This measurement is not tested to a PASS/FAL insti because the present FSA Test Blade will not lumish the required Mark Region current to discharge the PSE port bibliosing each PSE classification measurement.	
class err Class lim- Pur cl lim-	Maximum Class Current PSE will support before current imiting PSE Preser-Uo Response to Current-Limited Class Current	Tues-2 PSE's should not apply power	
Par Cl 55- Mark Lin- Par Cl Uneven-	PSE Power-Up Response to SSWA inco-validi Class Signature Maximum Mark Cameri supported during a 2-event Mark Region PSE Power-Up Response to Unspace Class Currents in 2 Event Signature Duration of UP E Region Information Dana Camero Streameters	Tues-2 PSE's should not apply power Tues-2 PSE's should not apply power PSE should IDLE for at least 15 mmr	
Treast- at class Hdo PRE Source Priority- PRE SUP_PRE Sup PRE LLDP_Type_s-	Duration of IDLE Region Inblaning Unequal Class Convert Signature Binary indication of Valid fund in an Indi full TPLes SourcePhoreh Patel Binary indication of Valid Full or Indial full ING Consolities Flatid Time Intern Power-Up until Receipt of Finit PAE LLDP Packat from PSE gives Topols "full or 2 months PD Embland PSE Type Communicated in PSE+ SourcePriority Field given Type Ind 1 und PDE Perviewing.	PSE though IQLE for at least 15 mass: Should nearch 1958? Trace 1 or Trops 2. 'U' in Researced Fields Phone values are leafor of or laft another to Elases 73 Type 2 PSEs must provide packet within 10 seconds of entering the Power-On state Mast be 1 or 2	
FIR Bibo Time or FIR Allos For me FIR Allos Time or FIR Allos Time or FIR Forest Adjust or	21 mode PD Enclation. Time for PDE to Each PD Fower Request given Type "n" (1 or 2) mode PD Enclation. Power Allocated in PD at Stanta other Type "n" (1 or 2) mode PD Enclation. Time for PDE to Allocate PD Fower Request given Type "n" (1 or 2) mode PD Enclation. Power Allocated to PD Tolking a Power Algument Request to Maximum. Power Allocated on Type "1" or mode PD Enclation.	Requirement is in 10 seconds or lass Should be in to PD Research (ii 1 W for Tross 1 20 3W for Tross 2) Soft limit of 30 seconds used - this is not atricitly specified in any the Should be = to PD Request (12 W for Type-1, 25 5W for Type-2)	
PHE_Adjust_Time_s+ Link_boam_Shortdown_7+	In motion Poser Alocated to PD following a Power Adjustment Request to Maximum Poser Alocated atom Twas "r" (1 or 2) mode PD Emolation. Time for PSE to the PD Power (Adjustment) Request given Type "r" (1 or 2) mode DP Eschelinen Indicater of PSE response when LAW link drops alter powering and negotiating with a PD or POWERSED, 1s POWER (REMOVED.	Requirement is in 10 seconds or less Test evaluates power status 12 seconds after LAN Link Drop. PSDs that drop power are in this biencoerating with PD's that	
st: parup_time Pur-On_Rise_Time_Trise-	Rise Time of Power-Up Edge	deliberately shat down PPIYs. Pachest rise time that can be measured is Gasec. II -60, then rise time measurement likely table triggered on a large schlage transfer measurement the final complete detection prior to the power-up mean.	Section 5.6
Power-Co.Time_Tpon- mt_cerus inrush Init_finrush- Max_finrush_cm-	Time Duration Itom End of Detection Until Power-Up Peek Isnash Current between 1 and 3 meec of current intition innash overload Mediment Is-Rush Laad Current Supplied During After 1 meec given Cleas N Joostorian	and a	
Min_finrush-	Minimum In-Rush Load Current Supported During First 45 maec.	commend to an user limit. Inruch Current must be above 400mA if Vport ≥30V and above 60 mA if Inruch Voltage is measured between 10 and 20 volts. PSA active land in saturation is 42 ohm, zo Vport will likely be between 70 and 30 VPC.	
Inrush_Wiltage- Tinrush- Inrush 4in-	Awrage Output Vollage html 5 to 45 mesc During 400 mA in-Rash Load. In the evert of power foldback, Versah is measured over a 5 mesc period concident with 554 html mediated by following the current living central amount. Minimum undersa shakwai in 17/7 Time inter on cast of invals. Over 64 million over 100 million to the over Power-Up Response to a current-limiting Invah overland of duration 45 mesc.	A PSE must support 400 mA of innuh current during power-up zo long as port voltage (hnuth_Voltage) nemetric above 20VEC. Through it capped at 500msec, the duration of the innuh load instances accolest innuh overhooded. Issues than duration Through(MIN), or 50 msec,	
Max Init Inrush- Inrush_Strategy_OM-	when the Tarcian Adds. The set of the transmission of the transmi	Table of an analytic rest and a second secon	
at: pwron_v Vport_min_s-		PD. Value 4 produces INFO warning as it may prohibit PD powering	
vport_max_s- vport_ripple_s-	Minimum DC Port Voltage measured with minimum and maximum Port Landeo box Tona - In Chambleon Minimum CC Port Voltage measured with minimum and maximum Port Landeo to Tyme In <sup>2</sup> PO ambién Minimum AC Replies (2014 - 500 kt Vpp measured with minimum and maximum Port Loading for Type 1 'n' PO ambién	Goal is to detect line voltage ripple and AC MPS signaling components balow 400 Hz. NOTE: A '-1' reading indicates a possible hardware failure and should be reported to Sitis	
Vport_noise_n-	Maximum AC Noise (1004: - 35001b) Vpp measured with minimum and maximum Port Loading for Type 'n' PD emulation	Technologies Goal is to assess noise from DC-DC poser conversion components in the 2004r - 400094z band. INOTE: A 5-17 reading indicates a possible hardware failure and should be reported to Silos Technologies.	
VIIIANS_BAN_D- VIIIANS_BAN_D- BE: paron_parcap	Melmann Part Voltage measured during a rapid (< 5 macc) load excunsion bateann MY to Potena and back Meahann Part Voltage measured during a rapid (< 5 macc) load excunsion hateann MY in Schem sect hard	Sampled at - 40 unec pariodicity. When itenting Type-2 PSE's, framiliset rollage samples followings 250 uses: Vitrae, Jo' duration are evaluated for Vipot_min (50V) oriteria.	
Posn ol- Icos & ol- Posn ol- Icos & ol- Posn ol-	PSE Power Canachin to Class 0 PD Land Currer Canachin Ralio Io Icon - Pchess / Voot can to Class 0 PD PSE Power Canachin to a Class 1 PD Land Currer Canachin Ralio to Icon - Pches / Voot can to Class 1 PD PSE Power Canachin B a Class 2 PD	Type I FDE we know which the PD Class C 3 workshow to assume if power is reaction to absorbable level by the PC classification (i.e. power justicing). Type 9 EPECs should be leaved in the tt. 440 mode to assume the behaviors. The power capter, PC-lass, majoried from a PEE pool is calculated as at function of PEE pool and current at the power using PEECE Discover application of PEE pool and current at the three matching to PC-lass of the power poolse from the PEE power and the PEECE of the PEECE power power power and the PEECE of the PEECE poolse from the PEECE power and the PEECE power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power power	
room 6 d2= Poom d2= room 6 d2=	Load Current Gasachir Balio to loon = Polasa / Voort oas to Class 2 PD PSE Poser Casachir to a Class 3 PD Load Current Gasachir Balio to loon = Polasa / Voort oas to Class 3 PD PSE Poser Casachir to a Class 4 PD		
Folse of- Type-2_Enable- Folses_LLDF_22.7- Folses_LLDF_24.5-	Least Convert Caesarier Relia to loca - Polana / Vood ose is Class 4 PD Verfy hat Class A Power is analytik to imac foldering a PM (or 2-Dwnf) power grant. 1= "AVALABLE", 0= "NOT AVALABLE" Indicator as to whether the PSE supported a Polana, pae power least following a 22 and 110 provem divertime. 0x EAL 1= 0455.	These 22 waves mode. These 32 waves mode. The Start Start all the Bornes of power-up it 2000 Grant is "1974" and start and all the Start Start Start Start Start Start Start Start Start Walaw all be - for non-LLD symptomic PERs, when leading with Type + FD emulation, and 1975 fails to allocate waves MORENT The In Completing methods and Start Start Start Start memory methods and a Start Start Start Start Start memory methods and a Start Start Start Start Start Market Starts of The Junk Start Start Start Start Start Starts of The Junk Start Start Start Start Start Start Starts of The Junk Start Start Start Start Start Start Starts of The Junk Start Start Start Start Start Starts	Section 5.7
roiss_lipp_24.5- at peron_musi flin_reak- tlin_Min_s-	a 24.5 anti LLEP never allocation. On FAR. 1s PASS. Neutram-output current over 8-75mes from PSE given a 1.954 lead pube with foldback suppression applied. PSE must limit to < 1.754. Meterum hold current satellike sizes 75mes. Tim: Min-2mil bot networks with		
Tils s- vils s- tils Max s-	suppression) Port Voltage measured during lim Min load guine (no foldback suppression) Peak output current from 1 to 75 maec given a > lim_Min (700mA - 1000mA)	PSE must support-400mk for 50 mmor. For Type-2 PSEs, the PSE must support 400 mk for 10 mmore assuming port voltage does not drop below types, min. Given these leads, the PSE should support a port voltage of types, min or higher. Informational only, no limits.	
flin_Low_V_Tol_s- Riran_lo-	The multiport interval given a SOfmer bad pulse including max transition band current (to foldback suppression). Load pulse magnitude is 460eA for Tacel and 100eA for Tace2 mode testion. Ecurition below 50Y given a 250usc, 580mA bad pulse when testing Type-2 Potes.	Informational only, no limits. Evaluating to use if PSE removes power immediately with low voltage condition that accompanies current limites. Type-2 PSE should regulate voltage to stay above 52.4% of Vose min. or 45.2V olven described invasient.	
Sipeak_s- Vport_Sec_s- Vport_Sec_s-	The % relative to (peak current that the PSE will support in a load transient of at least Storasc charators (Todd min) down Toon 'v'r PD entuidion. Weinnum port volene mensued charator ha is load it brancit hat charat charat Meinnum port volege measured with Storasc loads transiert loads applied pone per second over a 10 second trianal class Trace. In' PD emainten.	Aust support at least 100% of lpask for 50 msec. (pask computed from formula 33-4. Port sollage must be > Vpse, min	
at mos de vald Nin_valid_time_teps-	Nexemum time over which a instal can decide to nexe into impositioner given a VALID DC MPS load level.	The description in the 802 Jat alsocked is vague and requires candul inspection to integral properly. Trops is presented as a "MARIAM" limit which makes series from the PD point of view but in ord as caller from the PSE point of view. Use "Show Traces" to where the minimum negatived "or" limit.	
Duty_Cycle_tol- mi: mpm_dc_pwrdn min Valid i bold-	valid inon-valid load with 20% "on" duty-cycle using 25mA valid load and Timps_Min "on" times.	PSE shald ministen power continuously - 5 offlon cycles sequenced. Use "Show Traces" to witness the duty cycle.	
Time-to-Shutdoan Tapdo- Max_Voltage_Vopen_max-	Low Current Threshold Required to Force PSE Shut-Down Time Duration from PID Disconnect Until Power-Down Initiated (DC MPS) Max port signaling valage following disconnect power-down	This parameter is not specified explicitly for DC MPS as it is for AC MPS, however implicitly, this volves should not exceed Voc.	
at: perds_overid	Minumum sub- <b>Bin(n)</b> load current causing power-down for Type-'n' PD Emulation given a 75 meac transient pulse and Type-'n' PD emulation. Time from start of load, n load transient und port shutbown - will be capped at duration of the load, n load transient unm if the shutdown occurs up to 2	Mess. Research Products: Piol control interaction of Messawa Viet. Conflight generations in material control and products with Parenece treatment devalues. Under generated PEGF2 will report a MEGRATING Control and Control and Control and Control Research and Con- Research. Report Research and Analysis tab Internets O and 27 Control and Control and Control and Control Research and Control and Control and Control and Control Research and Control and Control and Control and Control Research and Control and Control and Control and Control Research Control Research and Control Research and Control Research Participation and Control Research and Control Research Research Research and Control Research Research Research and Research and Research and Research Research Research Research and Research and Research Research Research and Research and Research Research Research Research and Research Research Research Research and Research Research Research Research and Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research Research	
Test_a-		This measurement determine II PEE (is likely involving a firmware meanspol overland hindhare dicktion processe. Undergrowend PEE's will report a NEGATVIEE facelt pr value. Teelt pr care range up to 4 ascende. Reports -1 for <b>level</b> and <b>Teelt</b> if <b>level</b> is not found	
Tout_or Isoft_or Tsoft_or	Monume faud converting to or reneglically exceeding like, with that causes a shutdown for Type-"n" PD Ermitation given a 2 second transient plate and Toma-"n" EPT-manufact, in kaid transient until port shutdown - will be capped at dransition of the lated, is had answiner own if the shutdown occurs up to 2 seconds following the start of transient.	up to 4 seconds. Reports -1 for lastit and Taolit if lastit is not found.	Section 5.9
Isoft_s- Taoft_s- mat:perds_fime 	The torn and if body, a but transmit unit por thatborn - will be caped at dealers of the body, a but transmit unit of a watchine access up to 2 accessit buttore that and a material. Second Table Second Section 2014 Second Second Federal PEE Part Date Cleaning Dates Dates Dates Decker PEE Date Date Cleaning Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Dates Date	up to 4 accords. Reports -1 for <b>heet</b> and <b>Tackt</b> if <b>heet</b> is not hand. That a second research is accorded to accordentiation -1-10 <sup>4</sup> . Page approximate PEE resultive discharge load category PEE por prove-down. It is vory practible, for a contain, the that could again to Row which is appointed to the s-4500m. The macroscope is a accordent to accordent of Actions.	Section 5.9
Taoft_s= Taoft_s= at: pards_time Tars=Off_time_toff= Out==	Since the material failer, it is the transmission group of statistics - after is capital distribution of the hard, a characterial field that discuss on a total and the distribution field and a characterial field that distribution of the characterial field of the distribution of the characterial distribution of the distribution of the set of parts of the distribution distribution of the distribution of the set of parts of the set distribu- tion on statistical distribution of the set of parts of the set distribution.	Coul measurement is accurate to associatistic -1 sF. Rp approximate PSE neutritive discharge load during PSE port power-down. It is very possible, but not centain, that this could equate to Raw which is a specified to be > 490km. The	Section 5.9
Teoff_s= Teoff_s= Teored()== Teored()== Teored()= Science Teoreman Science Teoreman Area Like Noff- Economics Teoreman	Since the manufact field is that there are used point statutes - after acquired is also of the black of statutes and the field statutes of the statutes of the statute of the black of statutes and the statutes of the statutes of the statutes of the statutes of the statutes of the statutes of the Disclose 25 Since field interesting to the statutes of the statutes of the Disclose 25 Since field interesting the statutes of the statutes of the Acquired ISES and the Disclose Data of the statutes of the statutes of the Time field and the statutes of the statu	Cast memoraneme in seconde la secondente, i -1.4. Pagaposimitar PEE valities discharge land dange fills per porev-donen. It wwy possible, het net certain, the this cast again to Rev which a specified to be 4450mr. The measurement is accurate to accurately 3 Kohre.	Section 5.9