Power anomalies standard pulse list for netwave.control 5.5 and icd.control 5.2

emtest AMETEK

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
Industry	IEC 61000-4-8 Ed. 2 (2009-09)	AC	50Hz / 60Hz	5	Continuous Field	•		MC26100 or MC2630 required
				5	Short duration: 1 s to 3 s	•		MC26100 or MC2630 required
	IEC 61000-4-11 Ed. 2 (2004-03)	AC	50Hz / 60Hz	5.1	Voltage dips (0°)	•		
				5.1	Voltage dips (45°, Pre-Compliance)	•		We not fullfil the required voltage rise and fall time between 1us and 5us
				5.1	Voltage dips (90°, Pre-Compliance)	•		We not fullfil the required voltage rise and fall time between 1us and 5us
				5.1	Voltage dips (135°, Pre-Compliance)	•		We not fullfil the required voltage rise and fall time between 1us and 5us
				5.1	Voltage dips (180°)	•		
				5.1	Voltage dips (225°, Pre-Compliance)	•		We not fullfil the required voltage rise and fall time between 1us and 5us
				5.1	Voltage dips (270°, Pre-Compliance)	•		We not fullfil the required voltage rise and fall time between 1us and 5us
				5.1	Voltage dips (315°, Pre-Compliance)	•		We not fullfil the required voltage rise and fall time between 1us and 5us
				5.1	Short interruptions	•		
				5.2	Voltage variations	•		
		AC 3 Phase	50Hz / 60 Hz	5.1	Voltage dips (0°)	•[1)]		
				5.1	Voltage dips (45°, Pre-Compliance)	•[1)]		We not fullfil the required voltage rise and fall time between 1us and 5us
				5.1	Voltage dips (90°, Pre-Compliance)	•[1)]		We not fullfil the required voltage rise and fall time between 1us and 5us
				5.1	Voltage dips (135°, Pre-Compliance)	•[1)]		We not fullfil the required voltage rise and fall time between 1us and 5us
				5.1	Voltage dips (180°)	•[1)]		
				5.1	Voltage dips (225°, Pre-Compliance)	•[1)]		We not fullfil the required voltage rise and fall time between 1us and 5us
				5.1	Voltage dips (270°, Pre-Compliance)	•[1)]		We not fullfil the required voltage rise and fall time between 1us and 5us
				5.1	Voltage dips (315°, Pre-Compliance)	•[1)]		We not fullfil the required voltage rise and fall time between 1us and 5us
				5.1	Short interruptions	•[1)]		
				5.2	Voltage variations	•[1)]		
	IEC 61000-4-13 Ed. 1 (2002-02)	AC	50Hz / 60Hz	6.2	Maximum harmonic voltage distortion	•[5)]		Option NWBoard and Analyse License required
				8.2	Flowchart	•		
				8.2.1	Harmonic combination test - Flat curve	•		
				8.2.1	Harmonic combination test - Over swing	•		
				8.2.2	Test method "Sweep in frequencies"	•		
				8.2.3	Individual harmonics with a specified test level sequence	•		
				8.2.3	Interharmonics with a specified test level sequence	•		
				8.2.4	Application of the Meister curve	•		
		AC 3 Phase	50Hz / 60Hz	6.2	Maximum harmonic voltage distortion	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				8.2	Flowchart	•[1)]		
				8.2.1	Harmonic combination test - Flat curve	•[1)]		
				8.2.1	Harmonic combination test - Over swing	•[1)]		
				8.2.2	Test method "Sweep in frequencies"	•[1)]		
				8.2.3	Individual harmonics with a specified test level sequence	•[1)]		
				8.2.3	Interharmonics with a specified test level sequence	•[1)]		
				8.2.4	Application of the Meister curve	•[1)]		
	IEC 61000-4-13 A1 Ed.1 (2009-05)	AC	50Hz / 60Hz	6.2	Maximum harmonic voltage distortion	•[5)]		Option NWBoard and Analyse License required
				8.2	Flowchart	•		
				8.2.1	Harmonic combination test - Flat curve	•		
				8.2.1	Harmonic combination test - Over swing	•		
				8.2.2	Test method "Sweep in frequencies"	•		
				8.2.3	Individual harmonics with a specified test level sequence	•		
				8.2.3	Interharmonics with a specified test level sequence	•		
				8.2.4	Application of the Meister curve	•		
		AC 3 Phase	50Hz / 60Hz	6.2	Maximum harmonic voltage distortion	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				8.2	Flowchart	•[1)]		
				8.2.1	Harmonic combination test - Flat curve	•[1)]		
				8.2.1	Harmonic combination test - Over swing	•[1)]		
				8.2.2	Test method "Sweep in frequencies"	•[1)]		
				8.2.3	Individual harmonics with a specified test level sequence	•[1)]		
				8.2.3	Interharmonics with a specified test level sequence	•[1)]		
				8.2.4	Application of the Meister curve	•[1)]		
	IEC 61000-4-13 Ed. 1.1 (2009-07)	AC	50Hz / 60Hz	6.2	Maximum harmonic voltage distortion	•[5)]		Option NWBoard and Analyse License required
				8.2	Flowchart	•		
				8.2.1	Harmonic combination test - Flat curve	•		
				8.2.1	Harmonic combination test - Over swing	•		
				8.2.2	Test method "Sweep in frequencies"	•		
				8.2.3	Individual harmonics with a specified test level sequence	•		
				8.2.3	Interharmonics with a specified test level sequence	•		
				8.2.4	Application of the Meister curve	•		
		AC 3 Phase	50Hz / 60Hz	6.2	Maximum harmonic voltage distortion	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				8.2	Flowchart	•[1)]		
				8.2.1	Harmonic combination test - Flat curve	•[1)]		
				8.2.1	Harmonic combination test - Over swing	•[1)]		
				8.2.2	Test method "Sweep in frequencies"	•[1)]		

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				8.2.3	Individual harmonics with a specified test level sequence	•[1)]		
				8.2.3	Interharmonics with a specified test level sequence	•[1)]		
				8.2.4	Application of the Meister curve	•[1)]		
	IEC 61000-4-14 Ed. 1 (1998-12)	AC	50Hz / 60Hz	5	Voltage Fluctuation	•		
		AC 3 Phase	50Hz / 60Hz	5	Voltage Fluctuation	•[1)]		
	IEC 61000-4-14 A2 Ed.1 (2009-05)	AC	50Hz / 60Hz	5	Voltage Fluctuation	•		
		AC 3 Phase	50Hz / 60Hz	5	Voltage Fluctuation	•[1)]		
	IEC 61000-4-14 Ed. 1.2 (2009-07)	AC	50Hz / 60Hz	5	Voltage Fluctuation	•		
		AC 3 Phase	50Hz / 60Hz	5	Voltage Fluctuation	•[1)]		
	IEC 61000-4-17 Ed. 1 (1999-06)	DC		5	Multiple 1 (Frequency Ripple)	•		
				5	Multiple 2 (Frequency Ripple)	•		
				5	Multiple 3 (Frequency Ripple)	•		
				5	Multiple 6 (Frequency Ripple)	•		
	IEC 61000-4-17 A2 Ed.1 (2008-11)	DC		5	Multiple 1 (Frequency Ripple)	•		
				5	Multiple 2 (Frequency Ripple)	•		
				5	Multiple 3 (Frequency Ripple)	•		
				5	Multiple 6 (Frequency Ripple)	•		
	IEC 61000-4-17 Ed. 1.2 (2009-02)	DC		5	Multiple 1 (Frequency Ripple)	•		
				5	Multiple 2 (Frequency Ripple)	•		
				5	Multiple 3 (Frequency Ripple)	•		
				5	Multiple 6 (Frequency Ripple)	•		
	IEC 61000-4-27 Ed.1 (2000-08)	AC 3 Phase	50Hz / 60Hz	5	Test 1 (Pre-Compliance)	•[1)]		We not fullfil the required voltage rise and fall time between 1us and 5us
				5	Test 2 (Pre-Compliance)	•[1)]		We not fullfil the required voltage rise and fall time between 1us and 5us
				5	Test 3 (Pre-Compliance)	•[1)]		We not fullfil the required voltage rise and fall time between 1us and 5us
	IEC 61000-4-27 A1 Ed.1 (2009-02)	AC 3 Phase	50Hz / 60Hz	5	Test 1 (Pre-Compliance)	•[1)]		We not fullfil the required voltage rise and fall time between 1us and 5us
				5	Test 2 (Pre-Compliance)	•[1)]		We not fullfil the required voltage rise and fall time between 1us and 5us
				5	Test 3 (Pre-Compliance)	•[1)]		We not fullfil the required voltage rise and fall time between 1us and 5us
	IEC 61000-4-27 Ed. 1.2 (2009-04)	AC 3 Phase	50Hz / 60Hz	5	Test 1 (Pre-Compliance)	•[1)]		We not fullfil the required voltage rise and fall time between 1us and 5us
				5	Test 2 (Pre-Compliance)	•[1)]		We not fullfil the required voltage rise and fall time between 1us and 5us
				5	Test 3 (Pre-Compliance)	•[1)]		We not fullfil the required voltage rise and fall time between 1us and 5us
	IEC 61000-4-28 Ed.1 (1999-11)	AC	50Hz / 60Hz	5	Variation Power Frequency	•		
		AC 3 Phase	50Hz / 60Hz	5	Variation Power Frequency	•[1)]		
	IEC 61000-4-28 A2 Ed.1 (2009-02)	AC	50Hz / 60Hz	5	Variation Power Frequency	•		
		AC 3 Phase	50Hz / 60Hz	5	Variation Power Frequency	•[1)]		
	IEC 61000-4-28 Ed.1.2 (2009-04)	AC	50Hz / 60Hz	5	Variation Power Frequency	•		
		AC 3 Phase	50Hz / 60Hz	5	Variation Power Frequency	•[1)]		
	IEC 61000-4-29 Ed.1 (2000-08)	DC		5	Voltage Dips	•		
				5	Short Interruptions	•		
				5	Voltage variations	•		
				5				
	IEC 61000-4-34 Ed. 1.1 (2009-11)	AC	50Hz / 60Hz	5.1	Voltage dips (Pre-Compliance)	•		We not fullfil the required voltage rise and fall time between 1us and 5us
				5.1	Short interruptions (Pre-Compliance)	•		We not fullfil the required voltage rise and fall time between 1us and 5us
				5.2	Voltage variations	•		
		AC 3 Phase	50Hz / 60 Hz	5.1	Voltage dips - Phase 1 (Pre-Compliance)	•[1)]		We not fullfil the required voltage rise and fall time between 1us and 5us
				5.1	Voltage dips - Phase 2 (Pre-Compliance)	•[1)]		We not fullfil the required voltage rise and fall time between 1us and 5us
				5.1	Voltage dips - Phase 3 (Pre-Compliance)	•[1)]		We not fullfil the required voltage rise and fall time between 1us and 5us
				5.1	Short interruptions (Pre-Compliance)	•[1)]		We not fullfil the required voltage rise and fall time between 1us and 5us
				5.2	Voltage variations	•[1)]		
	IEC 61000-6-1 Ed.2 (2005-03)	AC	50Hz / 60Hz		Voltage Dips	•		
					Short interruptions	•		
	IEC 61000-6-2	AC	50Hz / 60Hz		Voltage Dips	•		
					Short interruptions	•		

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
	Ed.2 (2005-01)							
	IEC 60255-26 Ed.2 (2008-07)	AC	50Hz / 60Hz		Continuous Field	•		MC26100 or MC2630 required
					Short duration: 1 s to 3 s	•		MC26100 or MC2630 required
		DC			Short Interruptions	•		
						•		
	IEC 61204-3 Ed.2 (2011-06)	AC	50Hz / 60Hz		Voltage Dips	•		
					Short interruptions	•		
	IEC 61326-3-1 Ed.1 (2008-01)	AC	50Hz / 60Hz		Voltage Dips	•		
					Short interruptions	•		
		DC			Voltage Dips	•		
					Short interruptions	•		
	IEC 61326-3-2 Ed.1 (2008-01)	AC	50Hz / 60Hz		Voltage Dips	•		
					Short interruptions	•		
		DC			Voltage Dips	•		
					Short interruptions	•		
	EN 50121-4 (2006-07)	AC	16.7Hz / 50Hz		Power-frequency magnetic field	•		
					Power-frequency magnetic field	•		
		DC			Power-frequency magnetic field	•		
	EN 55014-2 (2009-06)	AC	50Hz / 60Hz		Voltage Dips	•		
	BSH BSH-EMV-RL (2010-07)	AC	50Hz / 60Hz	4.6	Voltage Dips and Variations (according EN 61000-4-11)	•		
				4.6	Voltage Dips and Variations (Random)			
				4.7	Application of the Meister curve (according diagram "Meistercurve")			
				4.7	Application of the Meister curve (according EN 61000-4-13 Class 2)	•		
	German. Lloyd GL VI 7-2 (2003-12)	AC	50Hz / 60Hz	20	Conducted low frequency interference (harmonics) (Table 3.30)	•[4]		AMP200N1 + CN200N1 required
		DC		20	Conducted low frequency interference (harmonics) (Table 3.29)	•[4]		AMP200N / N1 + CN200N1 required
	German. Lloyd GL VI 7-2 (2012-09)	AC	50Hz / 60Hz	20	Conducted low frequency interference (harmonics) (Table 3.31)	•[4]		AMP200N1 + CN200N1 required
		DC		20	Conducted low frequency interference (harmonics) (Table 3.30)	•[4]		AMP200N / N1 + CN200N1 required
	Liebherr TL 1110 039 Version 2 (2009-01)	AC	50Hz / 60Hz		VVT (Voltage variation test)	•		
					VPP_ramp (Voltage variations in ramp function)	•		
					VV15 (Voltage variations 15%)	•		
					VV10 (Voltage variations 10V/s)	•		
					UV_-15 (Under voltage)	•		
					DPS (Disturbances on the power supply)	•		
					FV (Frequency variation)	•		
					CFV (Cyclic Frequency variations)	•		
					OH_NO3 (Odd-number harmonics, NO multiple of 3)	•		
					OH_M3 (Odd-number harmonics, multiple of 3)	•		
					EH (Even harmonics)	•		
					EH (Even harmonics)	•		
					OS (Overshoot)	•		
					IHT (Individual harmonics and temporary (intermediate-) harmonics)	•		
					Flowchart	•		
Aircraft	RCTA DO-160D (Chapter 16) (1997-07)	AC	Category A, E, Z 400 Hz 115V	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				16.5.1.1	(3) Voltage and Frequency (ac) [Operate under emergency conditions]	•		
				16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•		
				16.5.1.5	Normal Surge Voltage (ac)	•		
				16.5.3.1	Voltage Steady State (ac)	•		
				16.5.3.2	Momentary Undervoltage Operation (ac)	•		
				16.5.3.3	Abnormal Surge Voltage (ac)	•		
		AC 3 Phase	Category A, E, Z 400 Hz 115V	16.5.1.1	(1) Voltage and Frequency (ac)	•[1]		
				16.5.1.1	(3) Voltage and Frequency (ac) [Operate under emergency conditions]	•[1]		
				16.5.1.2	Voltage Modulation (ac)	•[1]		
				16.5.1.3	Frequency Modulation (ac)	•[1]		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•[1]		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•[1]		
				16.5.1.5	Normal Surge Voltage (ac)	•[1]		
				16.5.3.1	Voltage Steady State (ac)	•[1]		
				16.5.3.2	Momentary Undervoltage Operation (ac)	•[1]		
				16.5.3.3	Abnormal Surge Voltage (ac)	•[1]		

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
		DC	Category A, Z 28V	16.5.2.1	Voltage (Average Value dc)	•		
				16.5.2.2	Ripple Voltage (dc)	•[4]	•	AMP200N1 + CN200N1 or CWS500N3 required
				16.5.2.3	Momentary Power Interruptions (dc)	•		
				16.5.2.4	Normal Surge Voltage (dc)	•		
				16.5.2.5	Engine Starting Undervoltage Operation (dc)	•		
				16.5.4.1	Voltage Steady State (dc)	•		
				16.5.4.3	Momentary Undervoltage Operation (dc)	•		
				16.5.5.4	Abnormal Surge Voltage (dc)	•		
			Category B 14V, 28V	16.5.2.1	Voltage (Average Value dc)	•		
				16.5.2.2	Ripple Voltage (dc)	•[4]	•	AMP200N1 + CN200N1 or CWS500N3 required
				16.5.2.3	Momentary Power Interruptions (dc)	•		
				16.5.2.4	Normal Surge Voltage (dc)	•		
				16.5.2.5	Engine Starting Undervoltage Operation (dc)	•		
				16.5.4.1	Voltage Steady State (dc)	•		
				16.5.4.2	Low Voltage Conditions (dc)	•		
				16.5.4.3	Momentary Undervoltage Operation (dc)	•		
				16.5.5.4	Abnormal Surge Voltage (dc)	•		
	RCTA DO-160D (Chapter 18) (1997-07)	AC	Category A [400 Hz] 115V	18.3.2	Audio Frequency Conducted Susceptibility - Power Inputs	•[4]	•	AMP200N1 + CN200N1 or CWS500N3 required
			Category E [400 Hz] 115V	18.3.2	Audio Frequency Conducted Susceptibility - Power Inputs	•[4]	•	AMP200N1 + CN200N1 or CWS500N3 required
			Category Z [400 Hz] 115V	18.3.2	Audio Frequency Conducted Susceptibility - Power Inputs	•[4]	•	AMP200N1 + CN200N1 or CWS500N3 required
		AC 3 Phase	Category A [400 Hz] 115V	18.3.2	Audio Frequency Conducted Susceptibility - Power Inputs	•[4]		AMP200N1 + CN200N1
			Category E [400 Hz] 115V	18.3.2	Audio Frequency Conducted Susceptibility - Power Inputs	•[4]		AMP200N1 + CN200N1
			Category Z [400 Hz] 115V	18.3.2	Audio Frequency Conducted Susceptibility - Power Inputs	•[4]		AMP200N1 + CN200N1
		DC	Category B 14V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4]	•	AMP200N1 + CN200N1 or CWS500N3 required
			Category B 28V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4]	•	AMP200N1 + CN200N1 or CWS500N3 required
			Category R 28V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4]	•	AMP200N1 + CN200N1 or CWS500N3 required
			Category Z 28V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4]	•	AMP200N1 + CN200N1 or CWS500N3 required
	RCTA DO-160E (Chapter 16) (2004-12)	AC	Category A(CF) [400 Hz] 115V	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•		
				16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	•		
				16.5.1.5.2	Normal Frequency Transients (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
				16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	•		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•		
				16.5.2.3.2	Abnormal Surge Voltage (ac)	•		
				16.7.1	Current Harmonic Emissions from Load (ac)	•[5]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(NF) [360 to 650 Hz] 115V	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•		
				16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	•		
				16.5.1.6	Normal Frequency Transients (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				16.5.2.2	Momentary Undervoltage Operation (ac)	•		
				16.5.3.1	Abnormal Surge Voltage (ac)	•		
				16.7.1	Current Harmonic Emissions from Load (ac)	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(WF) [360 to 800 Hz] 115V	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•		
				16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	•		
				16.5.1.6	Normal Frequency Transients (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•		
				16.5.3.1	Abnormal Surge Voltage (ac)	•		
				16.7.1	Current Harmonic Emissions from Load (ac)	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(CF) [400 Hz] 230V	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•		
				16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	•2)		up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
				16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	•		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•		
				16.5.2.3.2	Abnormal Surge Voltage (ac)	•2)		up to 360Vrms
				16.7.1	Current Harmonic Emissions from Load (ac)	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(NF) [360 to 650 Hz] 230V	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•		
				16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	•2)		up to 340Vrms
				16.5.1.6	Normal Frequency Transients (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•		
				16.5.3.1	Abnormal Surge Voltage (ac)	•2)		up to 360Vrms
				16.7.1	Current Harmonic Emissions from Load (ac)	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(WF) [360 to 800 Hz] 230V	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•		
				16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	•2)		up to 340Vrms
				16.5.1.6	Normal Frequency Transients (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•		
				16.5.3.1	Abnormal Surge Voltage (ac)	•2)		up to 360Vrms
				16.7.1	Current Harmonic Emissions from Load (ac)	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		AC 3 Phase	Category A(CF) [400 Hz] 115V	16.5.1.1	(1) Voltage and Frequency (ac)	•1)		
				16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•1)		
				16.5.1.2	Voltage Modulation (ac)	•1)		
				16.5.1.3	Frequency Modulation (ac)	•1)		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•1)		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•1)		
				16.5.1.5.1	Normal Surge Voltage (ac)	•1)		
				16.5.1.5.2	Normal Frequency Transients (ac)	•1)		
				16.5.1.7	Voltage DC Content (ac)	•1)		

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				16.5.1.8	Voltage distortion (ac)	•1)		
				16.5.2.1c	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
				16.5.2.1e	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	•1)		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•1)		
				16.5.2.3.2	Abnormal Surge Voltage (ac)	•1)		
				16.7.1	Current Harmonic Emissions from Load (ac)	•1,5)		Option NWBoard 3 Phase and Analyse License required
			Category A(NF) [360 to 650 Hz] 115V	16.5.1.1	(1) Voltage and Frequency (ac)	•1)		
				16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•1)		
				16.5.1.2	Voltage Modulation (ac)	•1)		
				16.5.1.3	Frequency Modulation (ac)	•1)		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•1)		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•1)		
				16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	•1)		
				16.5.1.5.1	Normal Surge Voltage (ac)	•1)		
				16.5.1.6	Normal Frequency Transients (ac)	•1)		
				16.5.1.7	Voltage DC Content (ac)	•1)		
				16.5.1.8	Voltage distortion (ac)	•1)		
				16.5.2.1c	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•1)		
				16.5.3.1	Abnormal Surge Voltage (ac)	•1)		
				16.7.1	Current Harmonic Emissions from Load (ac)	•1,5)		Option NWBoard 3 Phase and Analyse License required
			Category A(WF) [360 to 800 Hz] 115V	16.5.1.1	(1) Voltage and Frequency (ac)	•1)		
				16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•1)		
				16.5.1.2	Voltage Modulation (ac)	•1)		
				16.5.1.3	Frequency Modulation (ac)	•1)		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•1)		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•1)		
				16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	•1)		
				16.5.1.5.1	Normal Surge Voltage (ac)	•1)		
				16.5.1.6	Normal Frequency Transients (ac)	•1)		
				16.5.1.7	Voltage DC Content (ac)	•1)		
				16.5.1.8	Voltage distortion (ac)	•1)		
				16.5.2.1c	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•1)		
				16.5.3.1	Abnormal Surge Voltage (ac)	•1)		
				16.7.1	Current Harmonic Emissions from Load (ac)	•1,5)		Option NWBoard 3 Phase and Analyse License required
			Category A(CF) [400 Hz] 230V	16.5.1.1	(1) Voltage and Frequency (ac)	•1)		
				16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•1)		
				16.5.1.2	Voltage Modulation (ac)	•1)		
				16.5.1.3	Frequency Modulation (ac)	•1)		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•1)		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•1)		
				16.5.1.5.1	Normal Surge Voltage (ac)	•1,2)		up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	•1)		
				16.5.1.7	Voltage DC Content (ac)	•1)		
				16.5.1.8	Voltage distortion (ac)	•1)		
				16.5.2.1c	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
				16.5.2.1e	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	•1)		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•1)		
				16.5.2.3.2	Abnormal Surge Voltage (ac)	•1,2)		up to 360Vrms
				16.7.1	Current Harmonic Emissions from Load (ac)	•1,5)		Option NWBoard 3 Phase and Analyse License required
			Category A(NF) [360 to 650 Hz] 230V	16.5.1.1	(1) Voltage and Frequency (ac)	•1)		
				16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•1)		
				16.5.1.2	Voltage Modulation (ac)	•1)		
				16.5.1.3	Frequency Modulation (ac)	•1)		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•1)		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•1)		
				16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	•1)		
				16.5.1.5.1	Normal Surge Voltage (ac)	•1,2)		up to 340Vrms
				16.5.1.6	Normal Frequency Transients (ac)	•1)		
				16.5.1.7	Voltage DC Content (ac)	•1)		
				16.5.1.8	Voltage distortion (ac)	•1)		
				16.5.2.1c	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•1)		
				16.5.3.1	Abnormal Surge Voltage (ac)	•1,2)		up to 360Vrms
				16.7.1	Current Harmonic Emissions from Load (ac)	•1,5)		Option NWBoard 3 Phase and Analyse License required
			Category A(WF) [360 to 800 Hz] 230V	16.5.1.1	(1) Voltage and Frequency (ac)	•1)		
				16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•1)		
				16.5.1.2	Voltage Modulation (ac)	•1)		

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				16.5.1.3	Frequency Modulation (ac)	•[1)]		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•[1)]		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•[1)]		
				16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	•[1)]		
				16.5.1.5.1	Normal Surge Voltage (ac)	•[1,2)]		up to 340Vrms
				16.5.1.6	Normal Frequency Transients (ac)	•[1)]		
				16.5.1.7	Voltage DC Content (ac)	•[1)]		
				16.5.1.8	Voltage distortion (ac)	•[1)]		
				16.5.2.1c	Abnormal Voltage and Frequency Limits in Steady State (ac)	•[1)]		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•[1)]		
				16.5.3.1	Abnormal Surge Voltage (ac)	•[1,2)]		up to 360Vrms
				16.7.1	Current Harmonic Emissions from Load (ac)	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
		DC	Category B 14V	16.6.1.1	Voltage (Average Value dc)	•		
				16.6.1.2	Ripple Voltage (dc)	•[4)]	•	AMP200N / N1 + CN200N1 or CWS500N3 required
				16.6.1.3	Momentary Power Interruptions (dc)	•		
				16.6.1.4	Normal Surge Voltage (dc)	•		
				16.6.2.1	Voltage Steady State (dc)	•		
				16.6.2.2	Low Voltage Conditions (dc)	•		
				16.6.2.3	Momentary Undervoltage Operation (dc)	•		
				16.6.2.4	Abnormal Surge Voltage (dc)	•		
			Category A 28V	16.6.1.1	Voltage (Average Value dc)	•		
				16.6.1.2	Ripple Voltage (dc)	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
				16.6.1.3	Momentary Power Interruptions (dc)	•		
				16.6.1.4	Normal Surge Voltage (dc)	•		
				16.6.2.1	Voltage Steady State (dc)	•		
				16.6.2.3	Momentary Undervoltage Operation (dc)	•		
				16.6.2.4	Abnormal Surge Voltage (dc)	•		
			Category B 28V	16.6.1.1	Voltage (Average Value dc)	•		
				16.6.1.2	Ripple Voltage (dc)	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
				16.6.1.3	Momentary Power Interruptions (dc)	•		
				16.6.1.4	Normal Surge Voltage (dc)	•		
				16.6.1.5	Engine Starting Under Voltage Operation (dc)	•		
				16.6.2.1	Voltage Steady State (dc)	•		
				16.6.2.2	Low Voltage Conditions (dc)	•		
				16.6.2.3	Momentary Undervoltage Operation (dc)	•		
				16.6.2.4	Abnormal Surge Voltage (dc)	•		
			Category Z 28V	16.6.1.1	Voltage (Average Value dc)	•		
				16.6.1.2	Ripple Voltage (dc)	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
				16.6.1.3	Momentary Power Interruptions (dc)	•		
				16.6.1.4	Normal Surge Voltage (dc)	•		
				16.6.1.5	Engine Starting Under Voltage Operation (dc)	•		
				16.6.2.1	Voltage Steady State (dc)	•		
				16.6.2.3	Momentary Undervoltage Operation (dc)	•		
				16.6.2.4	Abnormal Surge Voltage (dc)	•		
	RCTA DO-160E (Chapter 18) (2004-12)	AC	Category K [400 Hz] 115V, 230V	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required CWS500N3 -> AC Net until 90V AC (max. Outputvoltage CWS500N3 7 Vrms)
			Category K [360 to 650 Hz] 115V, 230V	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required CWS500N3 -> AC Net until 90V AC (max. Outputvoltage CWS500N3 7 Vrms)
			Category K [360 to 800 Hz] 115V, 230V	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required CWS500N3 -> AC Net until 90V AC (max. Outputvoltage CWS500N3 7 Vrms)
			Category R(CF) [400 Hz] 115V, 230V	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required CWS500N3 -> AC Net until 90V AC (max. Outputvoltage CWS500N3 7 Vrms)
			Category R(NF) [360 to 650 Hz] 115V, 230V	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required CWS500N3 -> AC Net until 90V AC (max. Outputvoltage CWS500N3 7 Vrms)
			Category R(WF) [360 to 800 Hz] 115V, 230V	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required CWS500N3 -> AC Net until 90V AC (max. Outputvoltage CWS500N3 7 Vrms)
		AC 3 Phase	Category K [400 Hz] 115V, 230V	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1
			Category K [360 to 650 Hz] 115V, 230V	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1
			Category K	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
			[360 to 800 Hz] 115V, 230V					
			Category R(CF) [400 Hz] 115V, 230V	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1
			Category R(NF) [360 to 650 Hz] 115V, 230V	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1
			Category R(WF) [360 to 800 Hz] 115V, 230V	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1
		DC	Category B 14V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
			Category B 28V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
			Category R 14V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
			Category R 28V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
			Category Z 14V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
			Category Z 28V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
	RCTA DO-160E (Chapter 19) (2004-12)	AC	Category ZC [400 Hz]	19.3.1 19.3.3 19.3.4 19.3.5	Magnetic Fields induced into the equipment Magnetic Fields induced into interconnecting cables Electric Fields induced into interconnecting cables Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire
			Category AC [400 Hz]	19.3.1 19.3.3 19.3.4 19.3.5	Magnetic Fields induced into the equipment Magnetic Fields induced into interconnecting cables Electric Fields induced into interconnecting cables Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire
			Category BC [400 Hz]	19.3.1 19.3.5	Magnetic Fields induced into the equipment Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire
			Category CC [400 Hz]	19.3.1 19.3.3 19.3.4 19.3.5	Magnetic Fields induced into the equipment Magnetic Fields induced into interconnecting cables Electric Fields induced into interconnecting cables Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire
			Category ZN [350Hz - 650 Hz]	19.3.1 19.3.3 19.3.4 19.3.5	Magnetic Fields induced into the equipment Magnetic Fields induced into interconnecting cables Electric Fields induced into interconnecting cables Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire
			Category AN [350Hz - 650 Hz]	19.3.1 19.3.3 19.3.4 19.3.5	Magnetic Fields induced into the equipment Magnetic Fields induced into interconnecting cables Electric Fields induced into interconnecting cables Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire
			Category BN [350Hz - 650 Hz]	19.3.1 19.3.5	Magnetic Fields induced into the equipment Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire
			Category CN [350Hz - 650 Hz]	19.3.1 19.3.3 19.3.4 19.3.5	Magnetic Fields induced into the equipment Magnetic Fields induced into interconnecting cables Electric Fields induced into interconnecting cables Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire
			Category ZW [350Hz - 800 Hz]	19.3.1 19.3.3 19.3.4 19.3.5	Magnetic Fields induced into the equipment Magnetic Fields induced into interconnecting cables Electric Fields induced into interconnecting cables Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire
			Category AW [350Hz - 800 Hz]	19.3.1 19.3.3 19.3.4 19.3.5	Magnetic Fields induced into the equipment Magnetic Fields induced into interconnecting cables Electric Fields induced into interconnecting cables Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire
			Category BW [350Hz - 800 Hz]	19.3.1 19.3.5	Magnetic Fields induced into the equipment Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire
			Category CW [350Hz - 800 Hz]	19.3.1 19.3.3 19.3.4 19.3.5	Magnetic Fields induced into the equipment Magnetic Fields induced into interconnecting cables Electric Fields induced into interconnecting cables Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire
	RCTA DO-160E (Chapter 20) (2004-12)		Category A	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
			Category B	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
			Category C	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
			Category D	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
			Category E	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
			Category F	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
			Category G	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
			Category H	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
			Category J	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
			Category K	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
			Category L	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
			Category R	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
			Category S	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
			Category T	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
			Category W	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
			Category Y	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
	RCTA DO-160F (Chapter 16) (2007-12)	AC	Category A(CF) [400 Hz] 115V	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•		
				16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	•		
				16.5.1.5.2	Normal Frequency Transients (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
				16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	•		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•		
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.8	Power Factor (All ac Equipment), Designation P	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(NF) [360 to 650 Hz] 115V	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•		
				16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	•		
				16.5.1.5.2	Normal Frequency Transients (ac)	•		
				16.5.1.6	Normal Frequency Variations (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•		
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•		
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.8	Power Factor (All ac Equipment), Designation P	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(WF) [360 to 800 Hz] 115V	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•		
				16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	•		
				16.5.1.5.2	Normal Frequency Transients (ac)	•		
				16.5.1.6	Normal Frequency Variations (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•		
				16.5.2.3-1	Abnormal Surge Voltage (ac)	•		
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•		

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.8	Power Factor (All ac Equipment), Designation P	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(CF) [400 Hz] 230V	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•		
				16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	•2)		up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
				16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	•		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•		
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.8	Power Factor (All ac Equipment), Designation P	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(NF) [360 to 650 Hz] 230V	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•		
				16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	•2)		up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	•		
				16.5.1.6	Normal Frequency Variations (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•2)		up to 360Vrms
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•		
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.8	Power Factor (All ac Equipment), Designation P	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(WF) [360 to 800 Hz] 230V	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•		
				16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	•2)		up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	•		
				16.5.1.6	Normal Frequency Variations (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•		
				16.5.2.3-1	Abnormal Surge Voltage (ac)	•2)		up to 360Vrms
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•		
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.8	Power Factor (All ac Equipment), Designation P	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		AC 3 Phase	Category A(CF) [400 Hz]	16.5.1.1	(1) Voltage and Frequency (ac)	•1)		
				16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•1)		

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
			115V	16.5.1.2	Voltage Modulation (ac)	•1)		
				16.5.1.3	Frequency Modulation (ac)	•1)		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•1)		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•1)		
				16.5.1.5.1	Normal Surge Voltage (ac)	•1)		
				16.5.1.5.2	Normal Frequency Transients (ac)	•1)		
				16.5.1.7	Voltage DC Content (ac)	•1)		
				16.5.1.8	Voltage distortion (ac)	•1)		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
				16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	•1)		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•1)		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•1)		
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•1)		
				16.5.2.4	Loss of Phase Input (ac)	•1)		The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	•1,5)		Option NWBoard 3 Phase and Analyse License required
			Category A(NF) [360 to 650 Hz] 115V	16.5.1.1	(1) Voltage and Frequency (ac)	•1)		
				16.5.1.2	Voltage Modulation (ac)	•1)		
				16.5.1.3	Frequency Modulation (ac)	•1)		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•1)		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•1)		
				16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	•1)		
				16.5.1.5.1	Normal Surge Voltage (ac)	•1)		
				16.5.1.5.2	Normal Frequency Transients (ac)	•1)		
				16.5.1.6	Normal Frequency Variations (ac)	•1)		
				16.5.1.7	Voltage DC Content (ac)	•1)		
				16.5.1.8	Voltage distortion (ac)	•1)		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•1)		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•1)		
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•1)		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•1)		
				16.5.2.4	Loss of Phase Input (ac)	•1)		The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	•1,5)		Option NWBoard 3 Phase and Analyse License required
			Category A(WF) [360 to 800 Hz] 115V	16.5.1.1	(1) Voltage and Frequency (ac)	•1)		
				16.5.1.2	Voltage Modulation (ac)	•1)		
				16.5.1.3	Frequency Modulation (ac)	•1)		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•1)		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•1)		
				16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	•1)		
				16.5.1.5.1	Normal Surge Voltage (ac)	•1)		
				16.5.1.5.2	Normal Frequency Transients (ac)	•1)		
				16.5.1.6	Normal Frequency Variations (ac)	•1)		
				16.5.1.7	Voltage DC Content (ac)	•1)		
				16.5.1.8	Voltage distortion (ac)	•1)		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•1)		
				16.5.2.3-1	Abnormal Surge Voltage (ac)	•1)		
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•1)		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•1)		
				16.5.2.4	Loss of Phase Input (ac)	•1)		The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	•1,5)		Option NWBoard 3 Phase and Analyse License required
			Category A(CF) [400 Hz] 230V	16.5.1.1	(1) Voltage and Frequency (ac)	•1)		
				16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•1)		
				16.5.1.2	Voltage Modulation (ac)	•1)		

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				16.5.1.3	Frequency Modulation (ac)	•[1)]		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•[1)]		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•[1)]		
				16.5.1.5.1	Normal Surge Voltage (ac)	•[1,2)]		up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	•[1)]		
				16.5.1.7	Voltage DC Content (ac)	•[1)]		
				16.5.1.8	Voltage distortion (ac)	•[1)]		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•[1)]		
				16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	•[1)]		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•[1)]		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•[1,2)]		up to 360Vrms
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•[1)]		
				16.5.2.4	Loss of Phase Input (ac)	•[1)]		The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
			Category A(NF) [360 to 650 Hz] 230V	16.5.1.1	(1) Voltage and Frequency (ac)	•[1)]		
				16.5.1.2	Voltage Modulation (ac)	•[1)]		
				16.5.1.3	Frequency Modulation (ac)	•[1)]		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•[1)]		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•[1)]		
				16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	•[1)]		
				16.5.1.5.1	Normal Surge Voltage (ac)	•[1,2)]		up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	•[1)]		
				16.5.1.6	Normal Frequency Variations (ac)	•[1)]		
				16.5.1.7	Voltage DC Content (ac)	•[1)]		
				16.5.1.8	Voltage distortion (ac)	•[1)]		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•[1)]		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•[1)]		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•[1)]		
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•[1)]		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•[1,2)]		up to 360Vrms
				16.5.2.4	Loss of Phase Input (ac)	•[1)]		The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
			Category A(WF) [360 to 800 Hz] 230V	16.5.1.1	(1) Voltage and Frequency (ac)	•[1)]		
				16.5.1.2	Voltage Modulation (ac)	•[1)]		
				16.5.1.3	Frequency Modulation (ac)	•[1)]		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•[1)]		
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•[1)]		
				16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	•[1)]		
				16.5.1.5.1	Normal Surge Voltage (ac)	•[1,2)]		up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	•[1)]		
				16.5.1.6	Normal Frequency Variations (ac)	•[1)]		
				16.5.1.7	Voltage DC Content (ac)	•[1)]		
				16.5.1.8	Voltage distortion (ac)	•[1)]		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•[1)]		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•[1)]		
				16.5.2.3-1	Abnormal Surge Voltage (ac)	•[1,2)]		up to 360Vrms
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•[1)]		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•[1)]		
				16.5.2.4	Loss of Phase Input (ac)	•[1)]		The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
		DC	Category B 14V	16.6.1.1	Voltage (Average Value dc)	•		
				16.6.1.2	Ripple Voltage (dc)	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
				16.6.1.3b	Momentary Power Interruptions (dc) [Equipment with Digital Circuits]	•		
				16.6.1.3c	Momentary Power Interruptions (dc) [All Equipment]	•		

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				16.6.1.3d	Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]	•		
				16.6.1.4	Normal Surge Voltage (dc)	•		
				16.6.2.1	Voltage Steady State (dc)	•		
				16.6.2.2	Low Voltage Conditions (dc)	•		
				16.6.2.3	Momentary Undervoltage Operation (dc)	•		
				16.6.2.4	Abnormal Surge Voltage (dc)	•		
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A 28V	16.6.1.1	Voltage (Average Value dc)	•		
				16.6.1.2	Ripple Voltage (dc)	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
				16.6.1.3b	Momentary Power Interruptions (dc) [Equipment with Digital Circuits]	•		
				16.6.1.3c	Momentary Power Interruptions (dc) [All Equipment]	•		
				16.6.1.3d	Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]	•		
				16.6.1.4	Normal Surge Voltage (dc)	•		
				16.6.2.1	Voltage Steady State (dc)	•		
				16.6.2.3	Momentary Undervoltage Operation (dc)	•		
				16.6.2.4	Abnormal Surge Voltage (dc)	•		
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.7	DC Current Ripple tests (dc), Designation R	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category B 28V	16.6.1.1	Voltage (Average Value dc)	•		
				16.6.1.2	Ripple Voltage (dc)	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
				16.6.1.3b	Momentary Power Interruptions (dc) [Equipment with Digital Circuits]	•		
				16.6.1.3c	Momentary Power Interruptions (dc) [All Equipment]	•		
				16.6.1.3d	Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]	•		
				16.6.1.4	Normal Surge Voltage (dc)	•		
				16.6.1.5	Engine Starting Under Voltage Operation (dc)	•		
				16.6.2.1	Voltage Steady State (dc)	•		
				16.6.2.2	Low Voltage Conditions (dc)	•		
				16.6.2.3	Momentary Undervoltage Operation (dc)	•		
				16.6.2.4	Abnormal Surge Voltage (dc)	•		
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.7	DC Current Ripple tests (dc), Designation R	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category Z 28V	16.6.1.1	Voltage (Average Value dc)	•		
				16.6.1.2	Ripple Voltage (dc)	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
				16.6.1.3b	Momentary Power Interruptions (dc) [Equipment with Digital Circuits]	•		
				16.6.1.3c	Momentary Power Interruptions (dc) [All Equipment]	•		
				16.6.1.3d	Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]	•		
				16.6.1.4	Normal Surge Voltage (dc)	•		
				16.6.1.5	Engine Starting Under Voltage Operation (dc)	•		
				16.6.2.1	Voltage Steady State (dc)	•		
				16.6.2.3	Momentary Undervoltage Operation (dc)	•		
				16.6.2.4	Abnormal Surge Voltage (dc)	•		
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.7	DC Current Ripple tests (dc), Designation R	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category D 270V	16.6.1.1	Voltage (Average Value dc)	•		
				16.6.1.2	Ripple Voltage (dc)	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
				16.6.1.3b	Momentary Power Interruptions (dc) [Equipment with Digital Circuits]	•		
				16.6.1.3c	Momentary Power Interruptions (dc) [All Equipment]	•		
				16.6.1.3d	Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]	•		
				16.6.1.4	Normal Surge Voltage (dc)	•		
				16.6.1.6	Exposed Voltage Decay Time (dc, Category D Equipment Only)	•		The disconnection must be done manually
				16.6.2.1	Voltage Steady State (dc)	•		
				16.6.2.3	Momentary Undervoltage Operation (dc)	•		
				16.6.2.4	Abnormal Surge Voltage (dc)	•		
				16.7.4	Regnerated Energy (dc, Category D Equipment Only)	•		NetWave as Source + external Measure with Scope
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.7	DC Current Ripple tests (dc), Designation R	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
	RCTA DO-160F (Chapter 18) (2007-12)	AC	Category K [400 Hz] 115V, 230V	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required CWS500N3 -> AC Net until 90V AC (max. Outputvoltage CWS500N3 7 Vrms)
			Category K [360 to 650 Hz] 115V, 230V	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required CWS500N3 -> AC Net until 90V AC (max. Outputvoltage CWS500N3 7 Vrms)
			Category K [360 to 800 Hz] 115V, 230V	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required CWS500N3 -> AC Net until 90V AC (max. Outputvoltage CWS500N3 7 Vrms)
			Category R(CF) [400 Hz] 115V, 230V	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required CWS500N3 -> AC Net until 90V AC (max. Outputvoltage CWS500N3 7 Vrms)
			Category R(NF)	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
			[360 to 650 Hz] 115V, 230V					CWS500N3 -> AC Net until 90V AC (max. Outputvoltage CWS500N3 7 Vrms)
			Category R(WF) [360 to 800 Hz] 115V, 230V	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required CWS500N3 -> AC Net until 90V AC (max. Outputvoltage CWS500N3 7 Vrms)
		AC 3 Phase	Category K [400 Hz] 115V, 230V	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1
			Category K [360 to 650 Hz] 115V, 230V	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1
			Category K [360 to 800 Hz] 115V, 230V	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1
			Category R(CF) [400 Hz] 115V, 230V	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1
			Category R(NF) [360 to 650 Hz] 115V, 230V	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1
			Category R(WF) [360 to 800 Hz] 115V, 230V	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1
		DC	Category B 14V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
			Category B 28V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
			Category R 14V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
			Category R 28V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
			Category Z 14V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
			Category Z 28V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
			Category Z 270V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs (Differential Mode) Audio Frequency Conducted Susceptibility - Power Inputs (Common Mode)	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
	RCTA DO-160F (Chapter 19) (2007-12)	AC	Category ZC [400 Hz]	19.3.1 19.3.3 19.3.4 19.3.5	Magnetic Fields induced into the equipment Magnetic Fields induced into interconnecting cables Electric Fields induced into interconnecting cables Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire
			Category AC [400 Hz]	19.3.1 19.3.3 19.3.4 19.3.5	Magnetic Fields induced into the equipment Magnetic Fields induced into interconnecting cables Electric Fields induced into interconnecting cables Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire
			Category BC [400 Hz]	19.3.1 19.3.5	Magnetic Fields induced into the equipment Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire
			Category CC [400 Hz]	19.3.1 19.3.3 19.3.4 19.3.5	Magnetic Fields induced into the equipment Magnetic Fields induced into interconnecting cables Electric Fields induced into interconnecting cables Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire
			Category ZN [350Hz - 650 Hz]	19.3.1 19.3.3 19.3.4 19.3.5	Magnetic Fields induced into the equipment Magnetic Fields induced into interconnecting cables Electric Fields induced into interconnecting cables Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire
			Category AN [350Hz - 650 Hz]	19.3.1 19.3.3 19.3.4 19.3.5	Magnetic Fields induced into the equipment Magnetic Fields induced into interconnecting cables Electric Fields induced into interconnecting cables Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire
			Category BN [350Hz - 650 Hz]	19.3.1 19.3.5	Magnetic Fields induced into the equipment Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire
			Category CN [350Hz - 650 Hz]	19.3.1 19.3.3 19.3.4 19.3.5	Magnetic Fields induced into the equipment Magnetic Fields induced into interconnecting cables Electric Fields induced into interconnecting cables Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire
			Category ZW [350Hz - 800 Hz]	19.3.1 19.3.3 19.3.4 19.3.5	Magnetic Fields induced into the equipment Magnetic Fields induced into interconnecting cables Electric Fields induced into interconnecting cables Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
			Category AW [350Hz - 800 Hz]	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.3	Magnetic Fields induced into interconnecting cables			
				19.3.4	Electric Fields induced into interconnecting cables			
				19.3.5	Spikes induced into interconnecting cables			
			Category BW [350Hz - 800 Hz]	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.5	Spikes induced into interconnecting cables			
			Category CW [350Hz - 800 Hz]	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.3	Magnetic Fields induced into interconnecting cables			
				19.3.4	Electric Fields induced into interconnecting cables			
				19.3.5	Spikes induced into interconnecting cables			
	RCTA DO-160F (Chapter 20) (2007-12)		Category M	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
			Category R	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
			Category O	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
			Category S	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
			Category T	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
			Category W	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
			Category Y	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
	RCTA DO-160G (Chapter 16) (2010-12)	AC	Category A(CF) [400 Hz] 115V	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•		
				16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	•		
				16.5.1.5.2	Normal Frequency Transients (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
				16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	•		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•		
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•[5]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•[5]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•[5]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•[5]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.8	Power Factor (All ac Equipment), Designation P	•[5]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(NF) [360 to 650 Hz] 115V	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•		
				16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	•		
				16.5.1.5.2	Normal Frequency Transients (ac)	•		
				16.5.1.6	Normal Frequency Variations (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•		
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•		
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•[5]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•[5]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•[5]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•[5]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.8	Power Factor (All ac Equipment), Designation P	•[5]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(WF) [360 to 800 Hz] 115V	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•		
				16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	•		
				16.5.1.5.2	Normal Frequency Transients (ac)	•		
				16.5.1.6	Normal Frequency Variations (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•		
				16.5.2.3-1	Abnormal Surge Voltage (ac)	•		

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•		
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.8	Power Factor (All ac Equipment), Designation P	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(CF) [400 Hz] 230V	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•		
				16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	•2)		up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
				16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	•		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•2)		up to 360Vrms
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.8	Power Factor (All ac Equipment), Designation P	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(NF) [360 to 650 Hz] 230V	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•		
				16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	•2)		up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	•		
				16.5.1.6	Normal Frequency Variations (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•2)		up to 360Vrms
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•		
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.8	Power Factor (All ac Equipment), Designation P	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(WF) [360 to 800 Hz] 230V	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•		
				16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	•2)		up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	•		
				16.5.1.6	Normal Frequency Variations (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•		
				16.5.2.3-1	Abnormal Surge Voltage (ac)	•2)		up to 360Vrms
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•		
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.8	Power Factor (All ac Equipment), Designation P	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		AC 3 Phase	Category A(CF) [400 Hz] 115V	16.5.1.1	(1) Voltage and Frequency (ac)	•1)		
				16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•1)		
				16.5.1.2	Voltage Modulation (ac)	•1)		

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				16.5.1.3	Frequency Modulation (ac)	•1)		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•1)		
				16.5.1.5.1	Normal Surge Voltage (ac)	•1)		
				16.5.1.5.2	Normal Frequency Transients (ac)	•1)		
				16.5.1.7	Voltage DC Content (ac)	•1)		
				16.5.1.8	Voltage distortion (ac)	•1)		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
				16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	•1)		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•1)		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•1)		
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•1)		
				16.5.2.4	Loss of Phase Input (ac)	•1)		The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	•1,5)		Option NWBoard 3 Phase and Analyse License required
			Category A(NF) [360 to 650 Hz] 115V	16.5.1.1	(1) Voltage and Frequency (ac)	•1)		
				16.5.1.2	Voltage Modulation (ac)	•1)		
				16.5.1.3	Frequency Modulation (ac)	•1)		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•1)		
				16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	•1)		
				16.5.1.5.1	Normal Surge Voltage (ac)	•1)		
				16.5.1.5.2	Normal Frequency Transients (ac)	•1)		
				16.5.1.6	Normal Frequency Variations (ac)	•1)		
				16.5.1.7	Voltage DC Content (ac)	•1)		
				16.5.1.8	Voltage distortion (ac)	•1)		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•1)		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•1)		
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•1)		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•1)		
				16.5.2.4	Loss of Phase Input (ac)	•1)		The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	•1,5)		Option NWBoard 3 Phase and Analyse License required
			Category A(WF) [360 to 800 Hz] 115V	16.5.1.1	(1) Voltage and Frequency (ac)	•1)		
				16.5.1.2	Voltage Modulation (ac)	•1)		
				16.5.1.3	Frequency Modulation (ac)	•1)		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•1)		
				16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	•1)		
				16.5.1.5.1	Normal Surge Voltage (ac)	•1)		
				16.5.1.5.2	Normal Frequency Transients (ac)	•1)		
				16.5.1.6	Normal Frequency Variations (ac)	•1)		
				16.5.1.7	Voltage DC Content (ac)	•1)		
				16.5.1.8	Voltage distortion (ac)	•1)		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•1)		
				16.5.2.3-1	Abnormal Surge Voltage (ac)	•1)		
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•1)		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•1)		
				16.5.2.4	Loss of Phase Input (ac)	•1)		The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	•1,5)		Option NWBoard 3 Phase and Analyse License required
			Category A(CF) [400 Hz] 230V	16.5.1.1	(1) Voltage and Frequency (ac)	•1)		
				16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•1)		
				16.5.1.2	Voltage Modulation (ac)	•1)		
				16.5.1.3	Frequency Modulation (ac)	•1)		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•1)		
				16.5.1.5.1	Normal Surge Voltage (ac)	•1,2)		up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	•1)		

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				16.5.1.7	Voltage DC Content (ac)	•[1)]		
				16.5.1.8	Voltage distortion (ac)	•[1)]		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•[1)]		
				16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	•[1)]		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•[1)]		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•[1,2)]		up to 360Vrms
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•[1)]		
				16.5.2.4	Loss of Phase Input (ac)	•[1)]		The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
			Category A(NF) [360 to 650 Hz] 230V	16.5.1.1	(1) Voltage and Frequency (ac)	•[1)]		
				16.5.1.2	Voltage Modulation (ac)	•[1)]		
				16.5.1.3	Frequency Modulation (ac)	•[1)]		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•[1)]		
				16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	•[1)]		
				16.5.1.5.1	Normal Surge Voltage (ac)	•[1,2)]		up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	•[1)]		
				16.5.1.6	Normal Frequency Variations (ac)	•[1)]		
				16.5.1.7	Voltage DC Content (ac)	•[1)]		
				16.5.1.8	Voltage distortion (ac)	•[1)]		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•[1)]		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•[1)]		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•[1,2)]		up to 360Vrms
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•[1)]		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•[1)]		
				16.5.2.4	Loss of Phase Input (ac)	•[1)]		The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
			Category A(WF) [360 to 800 Hz] 230V	16.5.1.1	(1) Voltage and Frequency (ac)	•[1)]		
				16.5.1.2	Voltage Modulation (ac)	•[1)]		
				16.5.1.3	Frequency Modulation (ac)	•[1)]		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•[1)]		
				16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	•[1)]		
				16.5.1.5.1	Normal Surge Voltage (ac)	•[1,2)]		up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	•[1)]		
				16.5.1.6	Normal Frequency Variations (ac)	•[1)]		
				16.5.1.7	Voltage DC Content (ac)	•[1)]		
				16.5.1.8	Voltage distortion (ac)	•[1)]		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•[1)]		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•[1)]		
				16.5.2.3-1	Abnormal Surge Voltage (ac)	•[1,2)]		up to 360Vrms
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•[1)]		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•[1)]		
				16.5.2.4	Loss of Phase Input (ac)	•[1)]		The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	•[1,5)]		Option NWBoard 3 Phase and Analyse License required
		DC	Category B 14V	16.6.1.1	Voltage (Average Value dc)	•		
				16.6.1.2	Ripple Voltage (dc)	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
				16.6.1.3b	Momentary Power Interruptions (dc) [Equipment with Digital Circuits]	•		
				16.6.1.3c	Momentary Power Interruptions (dc) [All Equipment]	•		
				16.6.1.3d	Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]	•		
				16.6.1.4	Normal Surge Voltage (dc)	•		
				16.6.2.1	Voltage Steady State (dc)	•		
				16.6.2.2	Low Voltage Conditions (dc)	•		
				16.6.2.3	Momentary Undervoltage Operation (dc)	•		
				16.6.2.4	Abnormal Surge Voltage (dc)	•		
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
			Category A 28V	16.6.1.1	Voltage (Average Value dc)	•		
				16.6.1.2	Ripple Voltage (dc)	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
				16.6.1.3b	Momentary Power Interruptions (dc) [Equipment with Digital Circuits]	•		
				16.6.1.3c	Momentary Power Interruptions (dc) [All Equipment]	•		
				16.6.1.3d	Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]	•		
				16.6.1.4	Normal Surge Voltage (dc)	•		
				16.6.2.1	Voltage Steady State (dc)	•		
				16.6.2.3	Momentary Undervoltage Operation (dc)	•		
				16.6.2.4	Abnormal Surge Voltage (dc)	•		
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.7	DC Current Ripple tests (dc), Designation R	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category B 28V	16.6.1.1	Voltage (Average Value dc)	•		
				16.6.1.2	Ripple Voltage (dc)	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
				16.6.1.3b	Momentary Power Interruptions (dc) [Equipment with Digital Circuits]	•		
				16.6.1.3c	Momentary Power Interruptions (dc) [All Equipment]	•		
				16.6.1.3d	Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]	•		
				16.6.1.4	Normal Surge Voltage (dc)	•		
				16.6.1.5	Engine Starting Under Voltage Operation (dc)	•		
				16.6.2.1	Voltage Steady State (dc)	•		
				16.6.2.2	Low Voltage Conditions (dc)	•		
				16.6.2.3	Momentary Undervoltage Operation (dc)	•		
				16.6.2.4	Abnormal Surge Voltage (dc)	•		
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.7	DC Current Ripple tests (dc), Designation R	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category Z 28V	16.6.1.1	Voltage (Average Value dc)	•		
				16.6.1.2	Ripple Voltage (dc)	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
				16.6.1.3b	Momentary Power Interruptions (dc) [Equipment with Digital Circuits]	•		
				16.6.1.3c	Momentary Power Interruptions (dc) [All Equipment]	•		
				16.6.1.3d	Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]	•		
				16.6.1.4	Normal Surge Voltage (dc)	•		
				16.6.1.5	Engine Starting Under Voltage Operation (dc)	•		
				16.6.2.1	Voltage Steady State (dc)	•		
				16.6.2.3	Momentary Undervoltage Operation (dc)	•		
				16.6.2.4	Abnormal Surge Voltage (dc)	•		
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.7	DC Current Ripple tests (dc), Designation R	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category D 270V	16.6.1.1	Voltage (Average Value dc)	•		
				16.6.1.2	Ripple Voltage (dc)	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
				16.6.1.3b	Momentary Power Interruptions (dc) [Equipment with Digital Circuits]	•		
				16.6.1.3c	Momentary Power Interruptions (dc) [All Equipment]	•		
				16.6.1.3d	Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]	•		
				16.6.1.4	Normal Surge Voltage (dc)	•		
				16.6.1.6	Exposed Voltage Decay Time (dc, Category D Equipment Only)	•		The disconnection must be done manually
				16.6.2.1	Voltage Steady State (dc)	•		
				16.6.2.3	Momentary Undervoltage Operation (dc)	•		
				16.6.2.4	Abnormal Surge Voltage (dc)	•		
				16.7.4	Regnerated Energy (dc, Category D Equipment Only)	•		NetWave as Source + external Scope
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.7	DC Current Ripple tests (dc), Designation R	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
	RCTA DO-160G (Chapter 18) (2010-12)	AC	Category K [400 Hz] 115V, 230V	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1
			Category K [360 to 650 Hz] 115V, 230V	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1
			Category K [360 to 800 Hz] 115V, 230V	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1
			Category R(CF) [400 Hz] 115V, 230V	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1
			Category R(NF) [360 to 650 Hz] 115V, 230V	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1
			Category R(WF) [360 to 800 Hz] 115V, 230V	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1
		AC 3 Phase	Category K [400 Hz]	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
			115V, 230V					
			Category K [360 to 650 Hz] 115V, 230V	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1
			Category K [360 to 800 Hz] 115V, 230V	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1
			Category R(CF) [400 Hz] 115V, 230V	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1
			Category R(NF) [360 to 650 Hz] 115V, 230V	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1
			Category R(WF) [360 to 800 Hz] 115V, 230V	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1
		DC	Category B 14V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
			Category B 28V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
			Category R 14V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
			Category R 28V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
			Category Z 14V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
			Category Z 28V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
			Category Z 270V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs (Differential Mode) Audio Frequency Conducted Susceptibility - Power Inputs (Common Mode)	•[4)]	•	AMP200N1 + CN200N1 or CWS500N3 required
	RCTA DO-160G (Chapter 19) (2010-12)	AC	Category ZC [400 Hz]	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.2	Electric Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.3	Magnetic Fields induced into interconnecting cables			
				19.3.4	Electric Fields induced into interconnecting cables			
				19.3.5	Spikes induced into interconnecting cables			
			Category AC [400 Hz]	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.2	Electric Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.3	Magnetic Fields induced into interconnecting cables			
				19.3.4	Electric Fields induced into interconnecting cables			
				19.3.5	Spikes induced into interconnecting cables			
			Category BC [400 Hz]	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.2	Electric Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.5	Spikes induced into interconnecting cables			
			Category CC [400 Hz]	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.2	Electric Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.3	Magnetic Fields induced into interconnecting cables			
				19.3.4	Electric Fields induced into interconnecting cables			
				19.3.5	Spikes induced into interconnecting cables			
			Category ZN [350Hz - 650 Hz]	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.2	Electric Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.3	Magnetic Fields induced into interconnecting cables			
				19.3.4	Electric Fields induced into interconnecting cables			
				19.3.5	Spikes induced into interconnecting cables			
			Category AN [350Hz - 650 Hz]	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.2	Electric Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.3	Magnetic Fields induced into interconnecting cables			
				19.3.4	Electric Fields induced into interconnecting cables			
				19.3.5	Spikes induced into interconnecting cables			
			Category BN [350Hz - 650 Hz]	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.2	Electric Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.5	Spikes induced into interconnecting cables			
			Category CN [350Hz - 650 Hz]	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.2	Electric Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.3	Magnetic Fields induced into interconnecting cables			
				19.3.4	Electric Fields induced into interconnecting cables			
				19.3.5	Spikes induced into interconnecting cables			
			Category ZW [350Hz - 800 Hz]	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.2	Electric Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.3	Magnetic Fields induced into interconnecting cables			

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				19.3.4	Electric Fields induced into interconnecting cables			
				19.3.5	Spikes induced into interconnecting cables			
			Category AW [350Hz - 800 Hz]	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.2	Electric Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.3	Magnetic Fields induced into interconnecting cables			
				19.3.4	Electric Fields induced into interconnecting cables			
				19.3.5	Spikes induced into interconnecting cables			
			Category BW [350Hz - 800 Hz]	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.2	Electric Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.5	Spikes induced into interconnecting cables			
			Category CW [350Hz - 800 Hz]	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.2	Electric Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.3	Magnetic Fields induced into interconnecting cables			
				19.3.4	Electric Fields induced into interconnecting cables			
				19.3.5	Spikes induced into interconnecting cables			
ED-14	ED-14G (Chapter 16) (2011-05)	AC	Category A(CF) [400 Hz] 115V	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•		
				16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	•		
				16.5.1.5.2	Normal Frequency Transients (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
				16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	•		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•		
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•[5)]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•[5)]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•[5)]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•[5)]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.8	Power Factor (All ac Equipment), Designation P	•[5)]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(NF) [360 to 650 Hz] 115V	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•		
				16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	•		
				16.5.1.5.2	Normal Frequency Transients (ac)	•		
				16.5.1.6	Normal Frequency Variations (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•		
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•		
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•[5)]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•[5)]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•[5)]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•[5)]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.8	Power Factor (All ac Equipment), Designation P	•[5)]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(WF) [360 to 800 Hz] 115V	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•		
				16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	•		
				16.5.1.5.2	Normal Frequency Transients (ac)	•		
				16.5.1.6	Normal Frequency Variations (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•		
				16.5.2.3-1	Abnormal Surge Voltage (ac)	•		
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•		

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.8	Power Factor (All ac Equipment), Designation P	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(CF) [400 Hz] 230V	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•		
				16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	•2)		up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
				16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	•		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•2)		up to 360Vrms
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.8	Power Factor (All ac Equipment), Designation P	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(NF) [360 to 650 Hz] 230V	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•		
				16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	•2)		up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	•		
				16.5.1.6	Normal Frequency Variations (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•2)		up to 360Vrms
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•		
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.8	Power Factor (All ac Equipment), Designation P	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(WF) [360 to 800 Hz] 230V	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•		
				16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	•2)		up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	•		
				16.5.1.6	Normal Frequency Variations (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•		
				16.5.2.3-1	Abnormal Surge Voltage (ac)	•2)		up to 360Vrms
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•		
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.8	Power Factor (All ac Equipment), Designation P	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		AC 3 Phase	Category A(CF) [400 Hz] 115V	16.5.1.1	(1) Voltage and Frequency (ac)	•1)		
				16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•1)		
				16.5.1.2	Voltage Modulation (ac)	•1)		
				16.5.1.3	Frequency Modulation (ac)	•1)		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•1)		

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				16.5.1.5.1	Normal Surge Voltage (ac)	•1)		
				16.5.1.5.2	Normal Frequency Transients (ac)	•1)		
				16.5.1.7	Voltage DC Content (ac)	•1)		
				16.5.1.8	Voltage distortion (ac)	•1)		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
				16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	•1)		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•1)		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•1)		
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•1)		
				16.5.2.4	Loss of Phase Input (ac)	•1)		The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	•1,5)		Option NWBoard 3 Phase and Analyse License required
			Category A(NF) [360 to 650 Hz] 115V	16.5.1.1	(1) Voltage and Frequency (ac)	•1)		
				16.5.1.2	Voltage Modulation (ac)	•1)		
				16.5.1.3	Frequency Modulation (ac)	•1)		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•1)		
				16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	•1)		
				16.5.1.5.1	Normal Surge Voltage (ac)	•1)		
				16.5.1.5.2	Normal Frequency Transients (ac)	•1)		
				16.5.1.6	Normal Frequency Variations (ac)	•1)		
				16.5.1.7	Voltage DC Content (ac)	•1)		
				16.5.1.8	Voltage distortion (ac)	•1)		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•1)		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•1)		
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•1)		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•1)		
				16.5.2.4	Loss of Phase Input (ac)	•1)		The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	•1,5)		Option NWBoard 3 Phase and Analyse License required
			Category A(WF) [360 to 800 Hz] 115V	16.5.1.1	(1) Voltage and Frequency (ac)	•1)		
				16.5.1.2	Voltage Modulation (ac)	•1)		
				16.5.1.3	Frequency Modulation (ac)	•1)		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•1)		
				16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	•1)		
				16.5.1.5.1	Normal Surge Voltage (ac)	•1)		
				16.5.1.5.2	Normal Frequency Transients (ac)	•1)		
				16.5.1.6	Normal Frequency Variations (ac)	•1)		
				16.5.1.7	Voltage DC Content (ac)	•1)		
				16.5.1.8	Voltage distortion (ac)	•1)		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•1)		
				16.5.2.3-1	Abnormal Surge Voltage (ac)	•1)		
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•1)		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•1)		
				16.5.2.4	Loss of Phase Input (ac)	•1)		The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	•1,5)		Option NWBoard 3 Phase and Analyse License required
			Category A(CF) [400 Hz] 230V	16.5.1.1	(1) Voltage and Frequency (ac)	•1)		
				16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•1)		
				16.5.1.2	Voltage Modulation (ac)	•1)		
				16.5.1.3	Frequency Modulation (ac)	•1)		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•1)		
				16.5.1.5.1	Normal Surge Voltage (ac)	•1,2)		up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	•1)		
				16.5.1.7	Voltage DC Content (ac)	•1)		
				16.5.1.8	Voltage distortion (ac)	•1)		

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
				16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	•1)		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•1)		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•1,2)		up to 360Vrms
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•1)		
				16.5.2.4	Loss of Phase Input (ac)	•1)		The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	•1,5)		Option NWBoard 3 Phase and Analyse License required
			Category A(NF) [360 to 650 Hz] 230V	16.5.1.1	(1) Voltage and Frequency (ac)	•1)		
				16.5.1.2	Voltage Modulation (ac)	•1)		
				16.5.1.3	Frequency Modulation (ac)	•1)		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•1)		
				16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	•1)		
				16.5.1.5.1	Normal Surge Voltage (ac)	•1,2)		up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	•1)		
				16.5.1.6	Normal Frequency Variations (ac)	•1)		
				16.5.1.7	Voltage DC Content (ac)	•1)		
				16.5.1.8	Voltage distortion (ac)	•1)		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•1)		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•1,2)		up to 360Vrms
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•1)		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•1)		
				16.5.2.4	Loss of Phase Input (ac)	•1)		The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	•1,5)		Option NWBoard 3 Phase and Analyse License required
			Category A(WF) [360 to 800 Hz] 230V	16.5.1.1	(1) Voltage and Frequency (ac)	•1)		
				16.5.1.2	Voltage Modulation (ac)	•1)		
				16.5.1.3	Frequency Modulation (ac)	•1)		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•1)		
				16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	•1)		
				16.5.1.5.1	Normal Surge Voltage (ac)	•1,2)		up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	•1)		
				16.5.1.6	Normal Frequency Variations (ac)	•1)		
				16.5.1.7	Voltage DC Content (ac)	•1)		
				16.5.1.8	Voltage distortion (ac)	•1)		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•1)		
				16.5.2.3-1	Abnormal Surge Voltage (ac)	•1,2)		up to 360Vrms
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•1)		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•1)		
				16.5.2.4	Loss of Phase Input (ac)	•1)		The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	•1,5)		Option NWBoard 3 Phase and Analyse License required
		DC	Category B 14V	16.6.1.1	Voltage (Average Value dc)	•		
				16.6.1.2	Ripple Voltage (dc)	•4)		AMP200N1 + CN200N1 or CWS500N3 required
				16.6.1.3b	Momentary Power Interruptions (dc) [Equipment with Digital Circuits]	•		
				16.6.1.3c	Momentary Power Interruptions (dc) [All Equipment]	•		
				16.6.1.3d	Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]	•		
				16.6.1.4	Normal Surge Voltage (dc)	•		
				16.6.2.1	Voltage Steady State (dc)	•		
				16.6.2.2	Low Voltage Conditions (dc)	•		
				16.6.2.3	Momentary Undervoltage Operation (dc)	•		
				16.6.2.4	Abnormal Surge Voltage (dc)	•		
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A 28V	16.6.1.1	Voltage (Average Value dc)	•		
				16.6.1.2	Ripple Voltage (dc)	•4)		AMP200N1 + CN200N1 required

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				16.6.1.3b	Momentary Power Interruptions (dc) [Equipment with Digital Circuits]	•		
				16.6.1.3c	Momentary Power Interruptions (dc) [All Equipment]	•		
				16.6.1.3d	Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]	•		
				16.6.1.4	Normal Surge Voltage (dc)	•		
				16.6.2.1	Voltage Steady State (dc)	•		
				16.6.2.3	Momentary Undervoltage Operation (dc)	•		
				16.6.2.4	Abnormal Surge Voltage (dc)	•		
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.7	DC Current Ripple tests (dc), Designation R	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category B 28V	16.6.1.1	Voltage (Average Value dc)	•		
				16.6.1.2	Ripple Voltage (dc)	•[4)]		AMP200N1 + CN200N1 required
				16.6.1.3b	Momentary Power Interruptions (dc) [Equipment with Digital Circuits]	•		
				16.6.1.3c	Momentary Power Interruptions (dc) [All Equipment]	•		
				16.6.1.3d	Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]	•		
				16.6.1.4	Normal Surge Voltage (dc)	•		
				16.6.1.5	Engine Starting Under Voltage Operation (dc)	•		
				16.6.2.1	Voltage Steady State (dc)	•		
				16.6.2.2	Low Voltage Conditions (dc)	•		
				16.6.2.3	Momentary Undervoltage Operation (dc)	•		
				16.6.2.4	Abnormal Surge Voltage (dc)	•		
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.7	DC Current Ripple tests (dc), Designation R	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category Z 28V	16.6.1.1	Voltage (Average Value dc)	•		
				16.6.1.2	Ripple Voltage (dc)	•[4)]		AMP200N1 + CN200N1 required
				16.6.1.3b	Momentary Power Interruptions (dc) [Equipment with Digital Circuits]	•		
				16.6.1.3c	Momentary Power Interruptions (dc) [All Equipment]	•		
				16.6.1.3d	Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]	•		
				16.6.1.4	Normal Surge Voltage (dc)	•		
				16.6.1.5	Engine Starting Under Voltage Operation (dc)	•		
				16.6.2.1	Voltage Steady State (dc)	•		
				16.6.2.3	Momentary Undervoltage Operation (dc)	•		
				16.6.2.4	Abnormal Surge Voltage (dc)	•		
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.7	DC Current Ripple tests (dc), Designation R	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category D 270V	16.6.1.1	Voltage (Average Value dc)	•		
				16.6.1.2	Ripple Voltage (dc)	•[4)]	•	AMP200N1 + CN200N1 required
				16.6.1.3b	Momentary Power Interruptions (dc) [Equipment with Digital Circuits]	•		
				16.6.1.3c	Momentary Power Interruptions (dc) [All Equipment]	•		
				16.6.1.3d	Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]	•		
				16.6.1.4	Normal Surge Voltage (dc)	•		
				16.6.1.6	Exposed Voltage Decay Time (dc, Category D Equipment Only)	•		The disconnection must be done manually
				16.6.2.1	Voltage Steady State (dc)	•		
				16.6.2.3	Momentary Undervoltage Operation (dc)	•		
				16.6.2.4	Abnormal Surge Voltage (dc)	•		
				16.7.4	Regnerated Energy (dc, Category D Equipment Only)	•		NetWave as Source + external Scope
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.7	DC Current Ripple tests (dc), Designation R	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
	ED-14G (Chapter 18) (2011-05)	AC	Category K [400 Hz] 115V, 230V	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
			Category K [360 to 650 Hz] 115V, 230V	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
			Category K [360 to 800 Hz] 115V, 230V	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
			Category R(CF) [400 Hz] 115V, 230V	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
			Category R(NF) [360 to 650 Hz] 115V, 230V	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
			Category R(WF) [360 to 800 Hz] 115V, 230V	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
		AC 3 Phase	Category K [400 Hz] 115V, 230V	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
			Category K	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
			[360 to 650 Hz] 115V, 230V					
			Category K [360 to 800 Hz] 115V, 230V	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
			Category R(CF) [400 Hz] 115V, 230V	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
			Category R(NF) [360 to 650 Hz] 115V, 230V	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
			Category R(WF) [360 to 800 Hz] 115V, 230V	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
		DC	Category B 14V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
			Category B 28V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
			Category R 14V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
			Category R 28V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
			Category Z 14V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
			Category Z 28V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
			Category Z 270V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs (Differential Mode) Audio Frequency Conducted Susceptibility - Power Inputs (Common Mode)	•[4)]		AMP200N1 + CN200N1 required
	ED-14G (Chapter 19) (2011-05)	AC	Category ZC [400 Hz]	19.3.1 19.3.2 19.3.3 19.3.4 19.3.5	Magnetic Fields induced into the equipment Electric Fields induced into the equipment Magnetic Fields induced into interconnecting cables Electric Fields induced into interconnecting cables Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire NetWave as Source + Radiating Wire
			Category AC [400 Hz]	19.3.1 19.3.2 19.3.3 19.3.4 19.3.5	Magnetic Fields induced into the equipment Electric Fields induced into the equipment Magnetic Fields induced into interconnecting cables Electric Fields induced into interconnecting cables Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire NetWave as Source + Radiating Wire
			Category BC [400 Hz]	19.3.1 19.3.2 19.3.5	Magnetic Fields induced into the equipment Electric Fields induced into the equipment Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire NetWave as Source + Radiating Wire
			Category CC [400 Hz]	19.3.1 19.3.2 19.3.3 19.3.4 19.3.5	Magnetic Fields induced into the equipment Electric Fields induced into the equipment Magnetic Fields induced into interconnecting cables Electric Fields induced into interconnecting cables Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire NetWave as Source + Radiating Wire
			Category ZN [350Hz - 650 Hz]	19.3.1 19.3.2 19.3.3 19.3.4 19.3.5	Magnetic Fields induced into the equipment Electric Fields induced into the equipment Magnetic Fields induced into interconnecting cables Electric Fields induced into interconnecting cables Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire NetWave as Source + Radiating Wire
			Category AN [350Hz - 650 Hz]	19.3.1 19.3.2 19.3.3 19.3.4 19.3.5	Magnetic Fields induced into the equipment Electric Fields induced into the equipment Magnetic Fields induced into interconnecting cables Electric Fields induced into interconnecting cables Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire NetWave as Source + Radiating Wire
			Category BN [350Hz - 650 Hz]	19.3.1 19.3.2 19.3.5	Magnetic Fields induced into the equipment Electric Fields induced into the equipment Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire NetWave as Source + Radiating Wire
			Category CN [350Hz - 650 Hz]	19.3.1 19.3.2 19.3.3 19.3.4 19.3.5	Magnetic Fields induced into the equipment Electric Fields induced into the equipment Magnetic Fields induced into interconnecting cables Electric Fields induced into interconnecting cables Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire NetWave as Source + Radiating Wire
			Category ZW [350Hz - 800 Hz]	19.3.1 19.3.2 19.3.3 19.3.4 19.3.5	Magnetic Fields induced into the equipment Electric Fields induced into the equipment Magnetic Fields induced into interconnecting cables Electric Fields induced into interconnecting cables Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire NetWave as Source + Radiating Wire

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
			Category AW [350Hz - 800 Hz]	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.2	Electric Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.3	Magnetic Fields induced into interconnecting cables			
				19.3.4	Electric Fields induced into interconnecting cables			
				19.3.5	Spikes induced into interconnecting cables			
			Category BW [350Hz - 800 Hz]	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.2	Electric Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.5	Spikes induced into interconnecting cables			
			Category CW [350Hz - 800 Hz]	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.2	Electric Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.3	Magnetic Fields induced into interconnecting cables			
				19.3.4	Electric Fields induced into interconnecting cables			
				19.3.5	Spikes induced into interconnecting cables			
Airbus	ABD0100.1.2 Revision G (2008-12)	AC	Category R(CF) [400 Hz] 115V, 230V	3.4.3	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
			Category R(NF) [360 to 650 Hz] 115V, 230V	3.4.3	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
			Category R(WF) [360 to 800 Hz] 115V, 230V	3.4.3	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
		DC	Category B 14V	3.4.3	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
			Category B 28V	3.4.3	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
			Category R 14V	3.4.3	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
			Category R 28V	3.4.3	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
			Category Z 14V	3.4.3	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
			Category Z 28V	3.4.3	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
			Category Z 270V	3.4.3	Audio Frequency Conducted Susceptibility - Power Inputs	•[4)]		AMP200N1 + CN200N1 required
	ABD0100.1.8 Revision E (2005-04)	AC	CF (Constant Frequency) [400 Hz] 115V (Table A)	2.4.1	(1) Steady state voltage and frequency [normal operations]	•		
				2.4.1	(1) Steady state voltage and frequency [emergency operations]	•		
				2.4.1	(2a) Abnormal steady state voltage	•		
				2.4.1	(2b) Abnormal steady state frequency	•		
				2.4.1	(3) Voltage surge - normal transients	•		
				2.4.1	(4) Voltage surge - abnormal transients	•		Test 4.3 - NetWave as Source (the disconnection must be done manually)
				2.4.1	(5) Voltage spikes			Special Pulsemodul and Coupling NetWork required (not yet planed)
				2.4.1	(6) Switching transients (A 1.2.1)	•		
				2.4.1	(6) Switching transients (A 1.2.2)	•		
				2.4.1	(7) Voltage modulation	•		
				2.4.1	(8) Frequency excursions in abnormal operation	•		
				2.4.1	(9) Frequency modulation	•		
				2.4.1	(10) Distorted voltage	•		NetWave as Source + external Measure up to 150kHz (Pre Compliance)
				2.4.1	(11) Voltage DC content	•		
				2.4.2.1.2	Voltage Drop			NetWave as Source + external Multimeter
				2.4.2.1.3	Inrush Current			NetWave as Source + external Measure
				2.4.2.1.5	Power Factor			NetWave as Source + external Measure
				2.4.2.1.6	Current Distortion			NetWave as Source + external Measure up to 150kHz
				2.4.2.1.7	Voltage Modulation Due to Equipment			NetWave as Source + external Scope
				2.4.2.1.8	Equipment Line Current DC Content in Steady-State Operation			NetWave as Source + external Scope
			CF (Constant Frequency) [400 Hz] 26V (Table B)	2.4.1	(1) Steady state voltage and frequency [normal operations]	•		
				2.4.1	(1) Steady state voltage and frequency [emergency operations]	•		
				2.4.1	(2a) Abnormal steady state voltage	•		
				2.4.1	(2b) Abnormal steady state frequency	•		
				2.4.1	(3) Voltage surge - normal transients	•		
				2.4.1	(4) Voltage surge - abnormal transients	•		Test 4.3 - NetWave as Source (the disconnection must be done manually)
				2.4.1	(5) Voltage spikes			Special Pulsemodul and Coupling NetWork required (not yet planed)
				2.4.1	(6) Switching transients (A 1.2.1)	•		
				2.4.1	(6) Switching transients (A 1.2.2)	•		
				2.4.1	(7) Voltage modulation	•		
				2.4.1	(8) Frequency excursions in abnormal operation	•		
				2.4.1	(9) Frequency modulation	•		
				2.4.1	(10) Distorted voltage	•		NetWave as Source + external Measure up to 150kHz (Pre Compliance)

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				2.4.1	(11) Voltage DC content	•		
				2.4.2.1.3	Inrush Current			NetWave as Source + external Measure
				2.4.2.1.5	Power Factor			NetWave as Source + external Measure
				2.4.2.1.6	Current Distortion			NetWave as Source + external Measure up to 150kHz
				2.4.2.1.7	Voltage Modulation Due to Equipment			NetWave as Source + external Scope
				2.4.2.1.8	Equipment Line Current DC Content in Steady-State Operation			NetWave as Source + external Scope
			VF (Variable Frequency) [360 to 800 Hz] 115V (Table C)	2.4.1	(1) Steady state voltage and frequency [normal operations]	•		
				2.4.1	(2) Abnormal steady state voltage	•		
				2.4.1	(3) Voltage surge - normal transients	•		
				2.4.1	(4) Voltage surge - abnormal transients	•		Test 4.3 - NetWave as Source (the disconnection must be done manually)
				2.4.1	(5) Voltage spikes			Special Pulsemodul and Coupling NetWork required (not yet planed)
				2.4.1	(6) Switching transients (A 1.2.1)	•		
				2.4.1	(6) Switching transients (A 1.2.2b)	•		
				2.4.1	(6) Switching transients (A 1.2.2c)	•		
				2.4.1	(7) Voltage modulation	•		
				2.4.1	(8) Frequency excursions in abnormal operation	•		
				2.4.1	(9) Frequency modulation	•		
				2.4.1	(10) Distorted voltage	•		NetWave as Source + external Measure up to 150kHz (Pre Compliance)
				2.4.1	(11) Voltage DC content	•		
				2.4.2.1.2	Voltage Drop			NetWave as Source + external Multimeter
				2.4.2.1.3	Inrush Current			NetWave as Source + external Measure
				2.4.2.1.5	Power Factor			NetWave as Source + external Measure
				2.4.2.1.6	Current Distortion			NetWave as Source + external Measure up to 150kHz
				2.4.2.1.7	Voltage Modulation Due to Equipment			NetWave as Source + external Scope
				2.4.2.1.8	Equipment Line Current DC Content in Steady-State Operation			NetWave as Source + external Scope
		AC 3 Phase	CF (Constant Frequency) [400 Hz] 115V (Table A)	2.4.1	(1) Steady state voltage and frequency [normal operations]	•[1)]		
				2.4.1	(1) Steady state voltage and frequency [emergency operations]	•[1)]		
				2.4.1	(2a) Abnormal steady state voltage	•[1)]		
				2.4.1	(2b) Abnormal steady state frequency	•[1)]		
				2.4.1	(3) Voltage surge - normal transients	•[1)]		
				2.4.1	(4) Voltage surge - abnormal transients	•[1)]		Test 4.3 - NetWave as Source (the disconnection must be done manually)
				2.4.1	(5) Voltage spikes			Special Pulsemodul and Coupling NetWork required (not yet planed)
				2.4.1	(6) Switching transients (A 1.2.1)	•[1)]		
				2.4.1	(6) Switching transients (A 1.2.2)	•[1)]		
				2.4.1	(7) Voltage modulation	•[1)]		
				2.4.1	(8) Frequency excursions in abnormal operation	•[1)]		
				2.4.1	(9) Frequency modulation	•[1)]		
				2.4.1	(10) Distorted voltage	•[1)]		NetWave as Source + external Measure up to 150kHz (Pre Compliance)
				2.4.1	(11) Voltage DC content	•[1)]		
				2.4.2.1.2	Voltage Drop			NetWave as Source + external Multimeter
				2.4.2.1.3	Inrush Current			NetWave as Source + external Measure
				2.4.2.1.5	Power Factor			NetWave as Source + external Measure
				2.4.2.1.6	Current Distortion			NetWave as Source + external Measure up to 150kHz
				2.4.2.1.7	Voltage Modulation Due to Equipment			NetWave as Source + external Scope
				2.4.2.1.8	Equipment Line Current DC Content in Steady-State Operation			NetWave as Source + external Scope
			VF (Variable Frequency) [360 to 800 Hz] 115V (Table C)	2.4.1	(1) Steady state voltage and frequency [normal operations]	•[1)]		
				2.4.1	(2) Abnormal steady state voltage	•[1)]		
				2.4.1	(3) Voltage surge - normal transients	•[1)]		
				2.4.1	(4) Voltage surge - abnormal transients	•[1)]		Test 4.3 - NetWave as Source (the disconnection must be done manually)
				2.4.1	(5) Voltage spikes			Special Pulsemodul and Coupling NetWork required (not yet planed)
				2.4.1	(6) Switching transients (A 1.2.1)	•[1)]		
				2.4.1	(6) Switching transients (A 1.2.2b)	•[1)]		
				2.4.1	(6) Switching transients (A 1.2.2c)	•[1)]		
				2.4.1	(7) Voltage modulation	•[1)]		
				2.4.1	(8) Frequency excursions in abnormal operation	•[1)]		
				2.4.1	(9) Frequency modulation	•[1)]		
				2.4.1	(10) Distorted voltage	•[1)]		NetWave as Source + external Measure up to 150kHz (Pre Compliance)
				2.4.1	(11) Voltage DC content	•[1)]		
				2.4.2.1.2	Voltage Drop			NetWave as Source + external Multimeter
				2.4.2.1.3	Inrush Current			NetWave as Source + external Measure
				2.4.2.1.5	Power Factor			NetWave as Source + external Measure
				2.4.2.1.6	Current Distortion			NetWave as Source + external Measure up to 150kHz
				2.4.2.1.7	Voltage Modulation Due to Equipment			NetWave as Source + external Scope
				2.4.2.1.8	Equipment Line Current DC Content in Steady-State Operation			NetWave as Source + external Scope
		DC	Conventional DC Network 28V (Table D)	2.4.1	(1) Steady state voltage	•		
				2.4.1	(2) Abnormal steady state voltage	•		
				2.4.1	(3) Voltage surge (normal transients)	•		
				2.4.1	(4) Voltage surge (abnormal transients)	•		Test 4.3 - NetWave as Source (the disconnection must be done manually)
				2.4.1	(6) Switching transients (A 1.2.1)	•		

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				2.4.1	(6) Switching transients (A 1.2.2a)	•		
				2.4.1	(6) Switching transients (A 1.2.2d)	•		
				2.4.1	(7) Square waves due to large load variations	•		
				2.4.1	(8) Ripple Voltage	•4)		AMP200N1 + CN200N1 required
				2.4.2.2.1	Voltage Drop			NetWave as Source + external Multimeter
				2.4.2.2.2	Inrush Current			NetWave as Source + external Measure
				2.4.2.2.3	DC ripple Voltage Due to Equipment			external Battery + external Scope
			NBPT DC Network 28V (Table E)	2.4.1	(1) Steady state voltage	•		
				2.4.1	(2) Voltage surge (normal transients)	•		
				2.4.1	(3) Voltage surge (abnormal transients)	•		Test 3.4 - NetWave as Source (the disconnection must be done manually)
				2.4.1	(5) Switching transients (A 1.2.1)	•		
				2.4.1	(5) Switching transients (A 1.2.2b)	•		
				2.4.1	(6) Ripple Voltage	•4)		AMP200N / N1 + CN200N1 required
				2.4.2.2.1	Voltage Drop			NetWave as Source + external Multimeter
				2.4.2.2.2	Inrush Current			NetWave as Source + external Measure
				2.4.2.2.3	DC ripple Voltage Due to Equipment			external Battery + external Scope
	ABD0100.1.8.1 Revision C (2008-06)	AC	SVF (Variable Frequency) 115V [360 to 800 Hz]	C.3	(SVF 101) Steady state voltage and frequency [Normal Operation]	•		
				C.3	(SVF 102) Voltage transients [Normal Operation]	•		
				C.3	(SVF 103) Voltage modulation [Normal Operation]	•		
				C.3	(SVF 104) Voltage spikes			Special Pulsemodul and Coupling NetWork required (not yet planed)
				C.3	(SVF 105) Current distortion [Normal Operation]	•3)		NetWave as Source + external Measure up to 150kHz
				C.3	(SVF 106) Voltage distortion 1 [Normal Operation]	•3)		NetWave as Source + external Measure up to 150kHz (Pre Compliance)
				C.3	(SVF 107) Voltage distortion 2 [Normal Operation]	•4)		AMP200N1 + CN200N1 required
				C.3	(SVF 108) Voltage distortion transients [Normal Operation]	•3)		NetWave as Source + external Measure up to 150kHz (Pre Compliance)
				C.3	(SVF 109) Inrush current [Normal Operation]	•		NetWave as Source + external Measure
				C.3	(SVF 110) Frequency variations [Normal Operation]	•		
				C.3	(SVF 111) Frequency modulation [Normal Operation]	•		
				C.3	(SVF 112) Voltage DC content [Normal Operation]	•		
				C.3	(SVF 113) Voltage modulation due to equipment [Normal Operation]	•		NetWave as Source + external Scope
				C.3	(SVF 114) Voltage spike due to equipment load switching [Normal Operation]	•		NetWave as Source + external Relay and Scope
				C.3	(SVF 201) Steady state voltage and frequency [Abnormal Operation]	•		
				C.3	(SVF 202) Voltage transients [Abnormal Operation]	•		
				C.3	(SVF 203) Voltage modulation [Abnormal Operation]	•		
				C.3	(SVF 301) Steady state voltage and frequency [Emergency Operation]	•		
				C.3	(SVF 302) Voltage distortion 1 [Emergency Operation]	•3)		NetWave as Source + external Measure up to 150kHz (Pre Compliance)
				C.3	(SVF 303) Voltage distortion 2 [Emergency Operation]	•4)		AMP200N1 + CN200N1 required
				C.3	(SVF 304) Voltage distortion transients [Emergency Operation]	•3)		NetWave as Source + external Measure up to 150kHz (Pre Compliance)
				C.3	(SVF 305) Inrush current [Emergency Operation]	•		NetWave as Source + external Measure
				C.3	(SVF 306) Frequency variations [Emergency Operation]	•		
				C.3	(SVF 307) Voltage modulation due to equipment [Emergency Operation]	•		NetWave as Source + external Relay and Scope
				C.3	(SVF 401) Transparency time [Switching Transients]	•		
				C.3	(SVF 402) Voltage switching transients 1 [Switching Transients]	•		
				C.3	(SVF 403) Voltage switching transients 2 [Switching Transients]	•		
				C.3	(SVF 404) Voltage switching transients with frequency [Switching Transients]	•		
				C.3	(SVF 501) Power line disconnection [PowerSupply removal]			NetWave as Source (the disconnection must be done manually)
				C.3	(SCF 204) Frequency transients [Abnormal Operation]	•		
			SVFH (Variable Frequency) 230V [360 to 800 Hz]	C.5	(SVFH 101) Steady state voltage and frequency [Normal Operation]	•		
				C.5	(SVFH 102) Voltage transients [Normal Operation]	•2)		Test 1,2,5,6 up to 360Vrms
				C.5	(SVFH 103) Voltage modulation [Normal Operation]	•		
				C.5	(SVFH 104) Voltage spikes			Special Pulsemodul and Coupling NetWork required (not yet planed)
				C.5	(SVFH 105) Current distortion [Normal Operation]	•3)		NetWave as Source + external Measure up to 150kHz
				C.5	(SVFH 106) Voltage distortion 1 [Normal Operation]	•3)		NetWave as Source + external Measure up to 150kHz (Pre Compliance)
				C.5	(SVFH 107) Voltage distortion 2 [Normal Operation]	•4)		AMP200N1 + CN200N1 required
				C.5	(SVFH 108) Voltage distortion transients [Normal Operation]	•3)		NetWave as Source + external Measure up to 150kHz (Pre Compliance)
				C.5	(SVFH 109) Inrush current [Normal Operation]	•		NetWave as Source + external Measure
				C.5	(SVFH 110) Frequency variations [Normal Operation]	•		
				C.5	(SVFH 111) Frequency modulation [Normal Operation]	•		
				C.5	(SVFH 112) Voltage DC content [Normal Operation]	•		
				C.5	(SVFH 113) Voltage modulation due to equipment [Normal Operation]	•		NetWave as Source + external Scope
				C.5	(SVFH 114) Voltage spike due to equipment load switching [Normal Operation]	•		NetWave as Source + external Relay and Scope
				C.5	(SVFH 201) Steady state voltage and frequency [Abnormal Operation]	•		
				C.5	(SVFH 202) Voltage transients [Abnormal Operation]	•2)		Test 1,2 up to 360Vrms
				C.5	(SVFH 203) Voltage modulation [Abnormal Operation]	•		
				C.5	(SVFH 301) Steady state voltage and frequency [Emergency Operation]	•		
				C.5	(SVFH 302) Voltage distortion 1 [Emergency Operation]	•3)		NetWave as Source + external Measure up to 150kHz (Pre Compliance)
				C.5	(SVFH 303) Voltage distortion 2 [Emergency Operation]	•4)		AMP200N1 + CN200N1 required
				C.5	(SVFH 304) Voltage distortion transients [Emergency Operation]	•3)		NetWave as Source + external Measure up to 150kHz (Pre Compliance)
				C.5	(SVFH 305) Inrush current [Emergency Operation]	•		NetWave as Source + external Measure
				C.5	(SVFH 306) Frequency variations [Emergency Operation]	•		

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				C.5	(SVFH 307) Voltage modulation due to equipment [Emergency Operation]	•		NetWave as Source + external Relay and Scope
				C.5	(SVFH 401) Transparency time [Switching Transients]	•		
				C.5	(SVFH 402) Voltage switching transients 1 [Switching Transients]	•		
				C.5	(SVFH 403) Voltage switching transients 2[Switching Transients]	•		
				C.5	(SVFH 404) Voltage switching transients with frequency [Switching Transients]	•		
				C.5	(SVFH 501) Power line disconnection [PowerSupply removal]			NetWave as Source (the disconnection must be done manually)
				C.5	(SCFH 204) Frequency transients [Abnormal Operation]	•		
			SCF (Constant Frequency) 115V [400 Hz]	C.7	(SCF 101) Steady state voltage and frequency [Normal Operation]	•		
				C.7	(SCF 102) Voltage transients [Normal Operation]	•		
				C.7	(SCF 103) Voltage modulation [Normal Operation]	•		
				C.7	(SCF 104) Voltage spikes [Normal Operation]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				C.7	(SCF 105) Current distortion [Normal Operation]	•3)		NetWave as Source + external Measure up to 150kHz
				C.7	(SCF 106) Voltage distortion 1 [Normal Operation]	•3)		NetWave as Source + external Measure up to 150kHz (Pre Compliance)
				C.7	(SCF 107) Voltage distortion 2 [Normal Operation]	•4)		AMP200N1 + CN200N1 required
				C.7	(SCF 108) Voltage distortion transients [Normal Operation]	•3)		NetWave as Source + external Measure up to 150kHz (Pre Compliance)
				C.7	(SCF 109) Inrush current [Normal Operation]	•		NetWave as Source + external Measure
				C.7	(SCF 110) Frequency modulation [Normal Operation]	•		
				C.7	(SCF 111) Voltage DC content [Normal Operation]	•		
				C.7	(SCF 112) Voltage modulation due to equipment [Normal Operation]	•		NetWave as Source + external Scope
				C.7	(SCF 113) Voltage spike due to equipment load switching [Normal Operation]	•		NetWave as Source + external Relay and Scope
				C.7	(SCF 201) Steady state voltage and frequency [Abnormal Operation]	•		
				C.7	(SCF 202) Voltage transients [Abnormal Operation]	•		
				C.7	(SCF 203) Voltage modulation [Abnormal Operation]	•		
				C.7	(SCF 204) Frequency transients [Abnormal Operation]	•		
				C.7	(SCF 401) Transparency time [Transfer Operation]	•		
				C.7	(SCF 402) Voltage switching transients 1 [Transfer Operation]	•		
				C.7	(SCF 403) Voltage switching transients 2 [Transfer Operation]	•		
				C.7	(SCF 501) Power line disconnection [Power supply removal]			NetWave as Source (the disconnection must be done manually)
			SCFH (Constant Frequency) 230V [400 Hz]	C.9	(SCFH 101) Steady state voltage and frequency [Normal Operation]	•		
				C.9	(SCFH 102) Voltage transients [Normal Operation]	•2)		Test 1,2 up to 360Vrms
				C.9	(SCFH 103) Voltage modulation [Normal Operation]	•		
				C.9	(SCFH 104) Voltage spikes [Normal Operation]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				C.9	(SCFH 105) Current distortion [Normal Operation]	•3)		NetWave as Source + external Measure up to 150kHz
				C.9	(SCFH 106) Voltage distortion 1 [Normal Operation]	•3)		NetWave as Source + external Measure up to 150kHz (Pre Compliance)
				C.9	(SCFH 107) Voltage distortion 2 [Normal Operation]	•4)		AMP200N1 + CN200N1 required
				C.9	(SCFH 108) Voltage distortion transients [Normal Operation]	•3)		NetWave as Source + external Measure up to 150kHz (Pre Compliance)
				C.9	(SCFH 109) Inrush current [Normal Operation]	•		NetWave as Source + external Measure
				C.9	(SCFH 110) Frequency modulation [Normal Operation]	•		
				C.9	(SCFH 111) Voltage DC content [Normal Operation]	•		
				C.9	(SCFH 112) Voltage modulation due to equipment [Normal Operation]	•		NetWave as Source + external Scope
				C.9	(SCFH 113) Voltage spike due to equipment load switching [Normal Operation]	•		NetWave as Source + external Relay and Scope
				C.9	(SCFH 201) Steady state voltage and frequency [Abnormal Operation]	•		
				C.9	(SCFH 202) Voltage transients [Abnormal Operation]	•2)		Test 1 up to 360Vrms
				C.9	(SCFH 203) Voltage modulation [Abnormal Operation]	•		
				C.9	(SCFH 204) Frequency transients [Abnormal Operation]	•		
				C.9	(SCFH 401) Transparency time [Transfer Operation]	•		
				C.9	(SCFH 402) Voltage switching transients 1 [Transfer Operation]	•		
				C.9	(SCFH 403) Voltage switching transients 2 [Transfer Operation]	•		
				C.9	(SCFH 501) Power line disconnection [Power supply removal]			NetWave as Source (the disconnection must be done manually)
		AC 3 Phase	TVF (Variable Frequency) 115V [360 to 800 Hz]	C.4	(TVF 101) Steady state voltage and frequency [Normal Operation]	•1)		
				C.4	(TVF 102) Voltage transients [Normal Operation]	•1)		
				C.4	(TVF 103) Voltage modulation [Normal Operation]	•1)		
				C.4	(TVF 104) Voltage spikes			Special Pulsemodul and Coupling NetWork required (not yet planed)
				C.4	(TVF 105) Current distortion [Normal Operation]	•1)		NetWave as Source + external 3phase Measure up to 150kHz
				C.4	(TVF 106) Voltage distortion 1 [Normal Operation]	•1,3)		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
				C.4	(TVF 107) Voltage distortion 2 [Normal Operation]			NetWave as Source + external 3 x Amplifier
				C.4	(TVF 108) Voltage distortion transients [Normal Operation]	•1,3)		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
				C.4	(TVF 109) Inrush current [Normal Operation]	•1)		NetWave as Source + external 3phase Measure
				C.4	(TVF 110) Frequency variations [Normal Operation]	•1)		
				C.4	(TVF 111) Frequency modulation [Normal Operation]	•1)		
				C.4	(TVF 112) Voltage DC content [Normal Operation]	•1)		
				C.4	(TVF 113) Voltage modulation due to equipment [Normal Operation]	•1)		NetWave as Source + external Scope
				C.4	(TVF 114) Voltage spike due to equipment load switching [Normal Operation]	•1)		NetWave as Source + external Relay and Scope
				C.4	(TVF 115) Voltage unbalance transient	•1)		
				C.4	(TVF 201) Steady state voltage and frequency [Abnormal Operation]	•1)		
				C.4	(TVF 202) Voltage transients [Abnormal Operation]	•1)		
				C.4	(TVF 203) Voltage modulation [Abnormal Operation]	•1)		
				C.4	(TVF 301) Steady state voltage and frequency [Emergency Operation]	•1)		
				C.4	(TVF 302) Voltage distortion 1 [Emergency Operation]	•1,3)		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				C.4	(TVF 303) Voltage distortion 2 [Emergency Operation]			NetWave as Source + external 3 x Amplifier
				C.4	(TVF 304) Voltage distortion transients [Emergency Operation]	•1,3)		NetWave as Source + external Measure up to 150kHz (Pre Compliance)
				C.4	(TVF 305) Inrush current [Emergency Operation]	•1)		NetWave as Source + external 3phase Measure
				C.4	(TVF 306) Frequency variations [Emergency Operation]	•1)		
				C.4	(TVF 307) Voltage modulation due to equipment [Emergency Operation]	•1)		NetWave as Source + external Relay and Scope
				C.4	(TVF 401) Transparency time [Switching Transients]	•1)		
				C.4	(TVF 402) Voltage switching transients 1 [Switching Transients]	•1)		
				C.4	(TVF 403) Voltage switching transients 2 [Switching Transients]	•1)		
				C.4	(TVF 404) Voltage switching transients with frequency [Switching Transients]	•1)		
				C.4	(TVF 501) Power line disconnection [PowerSupply removal]			NetWave as Source (the disconnection must be done manually)
				C.4	(TCF 204) Frequency transients [Abnormal Operation]	•1)		
			TVFH (Variable Frequency) 230V [360 to 800 Hz]	C.6	(TVFH 101) Steady state voltage and frequency [Normal Operation]	•1)		
				C.6	(TVFH 102) Voltage transients [Normal Operation]	•1,2)		Test 1,2,5,6 up to 360Vrms
				C.6	(TVFH 103) Voltage modulation [Normal Operation]	•1)		
				C.6	(TVFH 104) Voltage spikes			Special Pulsemodul and Coupling NetWork required (not yet planed)
				C.6	(TVFH 105) Current distortion [Normal Operation]	•1)		NetWave as Source + external 3phase Measure up to 150kHz
				C.6	(TVFH 106) Voltage distortion 1 [Normal Operation]	•1,3)		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
				C.6	(TVFH 107) Voltage distortion 2 [Normal Operation]			NetWave as Source + external 3 x Amplifier
				C.6	(TVFH 108) Voltage distortion transients [Normal Operation]	•1,3)		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
				C.6	(TVFH 109) Inrush current [Normal Operation]	•1)		NetWave as Source + external 3phase Measure
				C.6	(TVFH 110) Frequency variations [Normal Operation]	•1)		
				C.6	(TVFH 111) Frequency modulation [Normal Operation]	•1)		
				C.6	(TVFH 112) Voltage DC content [Normal Operation]	•1)		
				C.6	(TVFH 113) Voltage modulation due to equipment [Normal Operation]	•1)		NetWave as Source + external Scope
				C.6	(TVFH 114) Voltage spike due to equipment load switching [Normal Operation]	•1)		NetWave as Source + external Relay and Scope
				C.6	(TVFH 115) Voltage unbalance transient	•1)		
				C.6	(TVFH 201) Steady state voltage and frequency [Abnormal Operation]	•1)		
				C.6	(TVFH 202) Voltage transients [Abnormal Operation]	•1,2)		Test 1,2 up to 360Vrms
				C.6	(TVFH 203) Voltage modulation [Abnormal Operation]	•1)		
				C.6	(TVFH 301) Steady state voltage and frequency [Emergency Operation]	•1)		
				C.6	(TVFH 302) Voltage distortion 1 [Emergency Operation]	•1,3)		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
				C.6	(TVFH 303) Voltage distortion 2 [Emergency Operation]			NetWave as Source + external 3 x Amplifier
				C.6	(TVFH 304) Voltage distortion transients [Emergency Operation]	•1,3)		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
				C.6	(TVFH 305) Inrush current [Emergency Operation]	•1)		NetWave as Source + external 3phase Measure
				C.6	(TVFH 306) Frequency variations [Emergency Operation]	•1)		
				C.6	(TVFH 307) Voltage modulation due to equipment [Emergency Operation]	•1)		NetWave as Source + external Relay and Scope
				C.6	(TVFH 401) Transparency time [Switching Transients]	•1)		
				C.6	(TVFH 402) Voltage switching transients 1 [Switching Transients]	•1)		
				C.6	(TVFH 403) Voltage switching transients 2[Switching Transients]	•1)		
				C.6	(TVFH 404) Voltage switching transients with frequency [Switching Transients]	•1)		
				C.6	(TVFH 501) Power line disconnection [PowerSupply removal]			NetWave as Source (the disconnection must be done manually)
				C.6	(TCFH 204) Frequency transients [Abnormal Operation]	•1)		
			TCF (Constant Frequency) 115V [400 Hz]	C.8	(TCF 101) Steady state voltage and frequency [Normal Operation]	•1)		
				C.8	(TCF 102) Voltage transients [Normal Operation]			
				C.8	(TCF 103) Voltage modulation [Normal Operation]	•1)		
				C.8	(TCF 104) Voltage spikes [Normal Operation]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				C.8	(TCF 105) Current distortion [Normal Operation]	•1)		NetWave as Source + external 3phase Measure up to 150kHz
				C.8	(TCF 106) Voltage distortion 1 [Normal Operation]	•1,3)		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
				C.8	(TCF 107) Voltage distortion 2 [Normal Operation]			NetWave as Source + external 3 x Amplifier
				C.8	(TCF 108) Voltage distortion transients [Normal Operation]	•1,3)		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
				C.8	(TCF 109) Inrush current [Normal Operation]	•1)		NetWave as Source + external 3phase Measure
				C.8	(TCF 110) Frequency modulation [Normal Operation]	•1)		
				C.8	(TCF 111) Voltage DC content [Normal Operation]	•1)		
				C.8	(TCF 112) Voltage modulation due to equipment [Normal Operation]	•1)		NetWave as Source + external Scope
				C.8	(TCF 113) Voltage spike due to equipment load switching [Normal Operation]	•1)		NetWave as Source + external Relay and Scope
				C.8	(TCF 114) Voltage unbalance transient	•1)		
				C.8	(TCF 201) Steady state voltage and frequency [Abnormal Operation]	•1)		
				C.8	(TCF 202) Voltage transients [Abnormal Operation]	•1)		
				C.8	(TCF 203) Voltage modulation [Abnormal Operation]	•1)		
				C.8	(TCF 204) Frequency transients [Abnormal Operation]	•1)		
				C.8	(TCF 401) Transparency time [Transfer Operation]	•1)		
				C.8	(TCF 402) Voltage switching transients 1 [Transfer Operation]	•1)		
				C.8	(TCF 403) Voltage switching transients 2 [Transfer Operation]	•1)		
				C.8	(TCF 501) Power line disconnection [Power supply removal]			NetWave as Source (the disconnection must be done manually)
			TCFH (Constant Frequency) 230V [400 Hz]	C.10	(TCFH 101) Steady state voltage and frequency [Normal Operation]	•1)		
				C.10	(TCFH 102) Voltage transients [Normal Operation]	•1,2)		Test 1,2 up to 360Vrms
				C.10	(TCFH 103) Voltage modulation [Normal Operation]	•1)		
				C.10	(TCFH 104) Voltage spikes [Normal Operation]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				C.10	(TCFH 105) Current distortion [Normal Operation]	•1)		NetWave as Source + external 3phase Measure up to 150kHz

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				C.10	(TCFH 106) Voltage distortion 1 [Normal Operation]	•[1,3]		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
				C.10	(TCFH 107) Voltage distortion 2 [Normal Operation]			NetWave as Source + external 3 x Amplifier
				C.10	(TCFH 108) Voltage distortion transients [Normal Operation]	•[1,3]		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
				C.10	(TCFH 109) Inrush current [Normal Operation]	•[1]		NetWave as Source + external 3phase Measure
				C.10	(TCFH 110) Frequency modulation [Normal Operation]	•[1]		
				C.10	(TCFH 111) Voltage DC content [Normal Operation]	•[1]		
				C.10	(TCFH 112) Voltage modulation due to equipment [Normal Operation]	•[1]		NetWave as Source + external Scope
				C.10	(TCFH 113) Voltage spike due to equipment load switching [Normal Operation]	•[1]		NetWave as Source + external Relay and Scope
				C.10	(TCF 114) Voltage unbalance transient	•[1]		
				C.10	(TCFH 201) Steady state voltage and frequency [Abnormal Operation]	•[1]		
				C.10	(TCFH 202) Voltage transients [Abnormal Operation]	•[1,2]		Test 1 up to 360Vrms
				C.10	(TCFH 203) Voltage modulation [Abnormal Operation]	•[1]		
				C.10	(TCFH 204) Frequency transients [Abnormal Operation]	•[1]		
				C.10	(TCFH 401) Transparency time [Transfer Operation]	•[1]		
				C.10	(TCFH 402) Voltage switching transients 1 [Transfer Operation]	•[1]		
				C.10	(TCFH 403) Voltage switching transients 2 [Transfer Operation]	•[1]		
				C.10	(TCFH 501) Power line disconnection [Power supply removal]			NetWave as Source (the disconnection must be done manually)
		DC	LDC (Low Voltage DC) 28V	C.11	(LDC 101) Steady state voltage [Normal Operation]	•		
				C.11	(LDC 102) Voltage transients [Normal Operation]	•		
				C.11	(LDC 103) Voltage ripple [Normal Operation]	•[4]		AMP200N1 + CN200N1 required
				C.11	(LDC 104) Voltage spikes [Normal Operation]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				C.11	(LDC 105) Inrush current [Normal Operation]	•		NetWave as Source + external Measure
				C.11	(LDC 106) Voltage variations due to APU starting [Normal Operation]	•		
				C.11	(LDC 107) Equipment current ripple			external Battery + external Scope
				C.11	(LDC 108) Voltage spikes due to equipment load switching	•		NetWave as Source + external Relay and Scope (Pre Compliance)
				C.11	(LDC 109) Compatibility with EPDC voltage clamping devices	•		NetWave as Source + external Relay (Pre Compliance)
				C.11	(LDC 201) Steady state voltage [Abnormal Operation]	•		
				C.11	(LDC 202) Voltage transients [Abnormal Operation]	•		
				C.11	(LDC 203) Voltage ripple [Abnormal Operation]	•[4]		AMP200N1 + CN200N1 required
				C.11	(LDC 301) Steady state voltage [Emergency Operation]	•		
				C.11	(LDC 302) Voltage ripple [Emergency Operation]	•[4]		AMP200N1 + CN200N1 required
				C.11	(LDC 303) Inrush current [Emergency Operation]	•		NetWave as Source + external Measure
				C.11	(LDC 304) Equipment current ripple [Emergency Operation]			external Battery + external Scope
				C.11	(LDC 401) Transparency time [Transfer Operation]	•		
				C.11	(LDC 402) Voltage switching transients 1 [Transfer Operation]	•		
				C.11	(LDC 403) Voltage switching transients 2 [Transfer Operation]	•		
				C.11	(LDC 501) Power line disconnection [Power supply removal]			NetWave as Source (the disconnection must be done manually)
	AMD-24 Revion C (2005-03)	AC	SVF (Variable Frequency) 115V [390 to 620 Hz]	C.3	(SVF 101) Steady-state voltage and frequency [Normal Operation]	•		
				C.3	(SVF 102) Voltage transients [Normal Operation]	•		
				C.3	(SVF 103) Voltage modulation [Normal Operation]	•		
				C.3	(SVF 104) Voltage spikes [Normal Operation]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				C.3	(SVF 105) Current distortion [Normal Operation]	•		NetWave as Source + external Measure up to 150kHz
				C.3	(SVF 106) Voltage distortion [Normal Operation]	•[3]		NetWave as Source + external Measure up to 150kHz (Pre Compliance)
				C.3	(SVF 107) Inrush current [Normal Operation]	•		NetWave as Source + external Measure
				C.3	(SVF 108) Frequency variations [Normal Operation]	•		
				C.3	(SVF 109) Frequency modulation [Normal Operation]	•		
				C.3	(SVF 110) Voltage DC content [Normal Operation]	•		
				C.3	(SVF 111) Voltage modulation due to equipment [Normal Operation]	•		NetWave as Source + external Scope
				C.3	(SVF 112) Voltage spike due to equipment load switching [Normal Operation]	•		NetWave as Source + external Relay and Scope
				C.3	(SVF 201) Steady state voltage and frequency [Abnormal Operation]	•		
				C.3	(SVF 202) Voltage transients [Abnormal Operation]	•		
				C.3	(SVF 203) Voltage modulation [Abnormal Operation]	•		
				C.3	(SVF 301) Steady-state voltage and frequency [Emergency Operation]	•		
				C.3	(SVF 302) Voltage distortion [Emergency Operation]	•[3]		NetWave as Source + external Measure up to 150kHz (Pre Compliance)
				C.3	(SVF 303) Voltage distortion transients [Emergency Operation]	•[3]		NetWave as Source + external Measure up to 150kHz (Pre Compliance)
				C.3	(SVF 304) Frequency variations [Emergency Operation]	•		
				C.3	(SVF 305) Voltage modulation due to equipment [Emergency Operation]	•		NetWave as Source + external Scope
				C.3	(SVF 401) Transparency time [Transfer Operation]	•		
				C.3	(SVF 402) Voltage switching transients 1 [Transfer Operation]	•		
				C.3	(SVF 403) Voltage switching transients 2 [Transfer Operation]	•		
				C.3	(SVF 404) Voltage switching transients with frequency change [Transfer Operation]	•		
				C.3	(SVF 501) Power failure [Undervoltage Operation]			NetWave as Source (the disconnection must be done manually)
			SCF (Constant Frequency) 115V [400 Hz]	C.5	(SCF 101) Steady-state voltage and frequency [Normal Operation]	•		
				C.5	(SCF 102) Voltage transients [Normal Operation]	•		
				C.5	(SCF 103) Voltage modulation [Normal Operation]	•		
				C.5	(SCF 104) Voltage spikes [Normal Operation]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				C.5	(SCF 105) Current distortion [Normal Operation]	•		NetWave as Source + external Measure up to 150kHz
				C.5	(SCF 106) Voltage distortion [Normal Operation]	•[3]		NetWave as Source + external Measure up to 150kHz (Pre Compliance)
				C.5	(SVF 107) Inrush current [Normal Operation]	•		NetWave as Source + external Measure

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				C.5	(SCF 108) Frequency modulation [Normal Operation]	•		
				C.5	(SCF 109) Voltage DC content [Normal Operation]	•		
				C.5	(SCF 110) Voltage modulation due to equipment [Normal Operation]	•		NetWave as Source + external Scope
				C.5	(SCF 111) Voltage spike due to equipment load switching [Normal Operation]	•		NetWave as Source + external Relay and Scope
				C.5	(SCF 201) Steady-state voltage and frequency [Abnormal Operation]	•		
				C.5	(SCF 202) Voltage transients [Abnormal Operation]	•		
				C.5	(SCF 203) Voltage modulation [Abnormal Operation]	•		
				C.5	(SCF 304) Frequency variations [Emergency Operation]	•		
				C.5	(SCF 401) Transparency time [Transfer Operation]	•		
				C.5	(SCF 402) Voltage switching transients 1 [Transfer Operation]	•		
				C.5	(SCF 403) Voltage switching transients 2 [Transfer Operation]	•		
				C.5	(SCF 501) Power failure [Undervoltage Operation]			NetWave as Source (the disconnection must be done manually)
		AC 3 Phase	TVF (Variable Frequency) 115V [390 to 620 Hz]	C.4	(TVF 101) Steady-state voltage and frequency [Normal Operation]	•1)		
				C.4	(TVF 102) Voltage transients [Normal Operation]	•1)		
				C.4	(TVF 103) Voltage modulation [Normal Operation]	•1)		
				C.4	(TVF 104) Voltage spikes [Normal Operation]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				C.4	(TVF 105) Current distortion [Normal Operation]	•1)		NetWave as Source + external 3phase Measure up to 150kHz
				C.4	(TVF 106) Voltage distortion [Normal Operation]	•1,3)		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
				C.4	(TVF 107) Inrush current [Normal Operation]	•1)		NetWave as Source + external 3phase Measure
				C.4	(TVF 108) Frequency variations [Normal Operation]	•1)		
				C.4	(TVF 109) Frequency modulation [Normal Operation]	•1)		
				C.4	(TVF 110) Voltage DC content [Normal Operation]	•1)		
				C.4	(TVF 111) Voltage modulation due to equipment [Normal Operation]	•1)		NetWave as Source + external Scope
				C.4	(TVF 112) Voltage spike due to equipment load switching [Normal Operation]	•1)		NetWave as Source + external Relay and Scope
				C.4	(TVF 201) Steady state voltage and frequency [Abnormal Operation]	•1)		
				C.4	(TVF 202) Voltage transients [Abnormal Operation]	•1)		
				C.4	(TVF 203) Voltage modulation [Abnormal Operation]	•1)		
				C.4	(TVF 301) Steady-state voltage and frequency [Emergency Operation]	•1)		
				C.4	(TVF 302) Voltage distortion [Emergency Operation]	•1,3)		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
				C.4	(TVF 303) Voltage distortion transients [Emergency Operation]	•1,3)		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
				C.4	(TVF 304) Frequency variations [Emergency Operation]	•1)		
				C.4	(TVF 305) Voltage modulation due to equipment [Emergency Operation]	•1)		NetWave as Source + external Relay and Scope
				C.4	(TVF 401) Transparency time [Transfer Operation]	•1)		
				C.4	(TVF 402) Voltage switching transients 1 [Transfer Operation]	•1)		
				C.4	(TVF 403) Voltage switching transients 2 [Transfer Operation]	•1)		
				C.4	(TVF 404) Voltage switching transients with frequency change [Transfer Operation]	•1)		
				C.4	(TVF 501) Power failure [Undervoltage Operation]			NetWave as Source (the disconnection must be done manually)
			TCF (Constant Frequency) 115V [400 Hz]	C.6	(TCF 101) Steady-state voltage and frequency [Normal Operation]	•1)		
				C.6	(TCF 102) Voltage transients [Normal Operation]	•1)		
				C.6	(TCF 103) Voltage modulation [Normal Operation]	•1)		
				C.6	(TCF 104) Voltage spikes [Normal Operation]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				C.6	(TCF 105) Current distortion [Normal Operation]	•1)		NetWave as Source + external 3phase Measure up to 150kHz
				C.6	(TCF 106) Voltage distortion [Normal Operation]	•1,3)		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
				C.6	(TCF 107) Inrush current [Normal Operation]	•1)		NetWave as Source + external 3phase Measure
				C.6	(TCF 108) Frequency modulation [Normal Operation]	•1)		
				C.6	(TCF 109) Voltage DC content [Normal Operation]	•1)		
				C.6	(TCF 110) Voltage modulation due to equipment [Normal Operation]	•1)		NetWave as Source + external Scope
				C.6	(TCF 111) Voltage spike due to equipment load switching [Normal Operation]	•1)		NetWave as Source + external Relay and Scope
				C.6	(TCF 201) Steady-state voltage and frequency [Abnormal Operation]	•1)		
				C.6	(TCF 202) Voltage transients [Abnormal Operation]	•1)		
				C.6	(TCF 203) Voltage modulation [Abnormal Operation]	•1)		
				C.6	(TCF 304) Frequency variations [Emergency Operation]	•1)		
				C.6	(TCF 401) Transparency time [Transfer Operation]	•1)		
				C.6	(TCF 402) Voltage switching transients 1 [Transfer Operation]	•1)		
				C.6	(TCF 403) Voltage switching transients 2 [Transfer Operation]	•1)		
				C.6	(TCF 501) Power failure [Undervoltage Operation]			NetWave as Source (the disconnection must be done manually)
		DC	LDC (Low Voltage DC) 28V	C.7	(LDC 101) Steady-state voltage [Normal Operation]	•		
				C.7	(LDC 101-APU) Steady-state voltage [Normal Operation]	•		
				C.7	(LDC 102) Voltage transients [Normal Operation]	•		
				C.7	(LDC 102-APU) Voltage transients [Normal Operation]	•		
				C.7	(LDC 103) Voltage ripple [Normal Operation]	•4)		AMP200N1 + CN200N1 required
				C.7	(LDC 103-APU) Voltage ripple [Normal Operation]	•4)		AMP200N1 + CN200N1 required
				C.7	(LDC 104) Voltage spikes [Normal Operation]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				C.7	(LDC 105) Inrush current [Normal Operation]	•		NetWave as Source + external Measure
				C.7	(LDC 105-APU) Inrush current [Normal Operation]	•		NetWave as Source + external Measure
				C.7	(LDC 106) Voltage variations due to APU starting [Normal Operation]	•		
				C.7	(LDC 107) DC ripple voltage due to equipment [Normal Operaion]			external Battery + external Scope
				C.7	(LDC 108) Voltage spike due to equipment load switching	•		NetWave as Source + external Relay and Scope (Pre Compliance)
				C.7	(LDC 109) Compatibility with SEPDC voltage clipping devices	•		NetWave as Source + external Relay (Pre Compliance)

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				C.7	(LDC 201) Voltage transients [Abnormal Operation]	•		
				C.7	(LDC 201-APU) Voltage transients [Abnormal Operation]	•		
				C.7	(LDC 301) Steady-state voltage [Emergency Operation]	•		
				C.7	(LDC 302) Voltage ripple [Emergency Operation]	•4)		AMP200N1 + CN200N1 required
				C.7	(LDC 303) Inrush current [Emergency Operation]	•		NetWave as Source + external Measure
				C.7	(LDC 401) Transparency time [Transfer Operation]	•		
				C.7	(LDC 401-APU) Transparency time [Transfer Operation]	•		
				C.7	(LDC 402) Voltage switching transients 1 [Transfer Operation]	•		
				C.7	(LDC 402-APU) Voltage switching transients 1 [Transfer Operation]	•		
				C.7	(LDC 403) Voltage switching transients 2 [Transfer Operation]	•		
				C.7	(LDC 403-APU) Voltage switching transients 2 [Transfer Operation]	•		
				C.7	(LDC 501) Power failure [Undervoltage Operation]			NetWave as Source (the disconnection must be done manually)
	Liebherr L-5424-QP-0005 (2011-02)	AC 3 Phase	TVFH (Variable Frequency) 230V [360 to 800 Hz]		(TVFH 102) Voltage transients [Normal Operation]	•1,2)		Test 1,2,5,6 up to 360Vrms
					(TVFH 103) Voltage modulation [Normal Operation]	•1)		
					(TVFH 104) Voltage spikes			Special Pulsemodul and Coupling NetWork required (not yet planed)
					(TVFH 105) Current distortion [Normal Operation]	•1)		NetWave as Source + external 3phase Measure up to 150kHz
					(TVFH 109) Inrush current [Normal Operation]	•1)		NetWave as Source + external 3phase Measure
					(TVFH 110) Frequency variations [Normal Operation]	•1)		
					(TVFH 111) Frequency modulation [Normal Operation]	•1)		
					(TVFH 112) Voltage DC content [Normal Operation]	•1)		
					(TVFH 113) Voltage modulation due to equipment [Normal Operation]	•1)		NetWave as Source + external Scope
					(TVFH 114) Voltage spike due to equipment load switching [Normal Operation]	•1)		NetWave as Source + external Relay and Scope
					(TVFH 115) Voltage unbalance transient	•1)		
					(TVFH 201) Steady state voltage and frequency [Abnormal Operation]	•1)		
					(TVFH 202) Voltage transients [Abnormal Operation]	•1,2)		Test 1,2 up to 360Vrms
					(TVFH 203) Voltage modulation [Abnormal Operation]	•1)		
					(TVFH 301) Steady state voltage and frequency [Emergency Operation]	•1)		
					(TVFH 302) Voltage distortion 1 [Emergency Operation]	•1,3)		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
					(TVFH 303) Voltage distortion 2 [Emergency Operation]			NetWave as Source + external Amplifier
					(TVFH 304) Voltage distortion transients [Emergency Operation]	•1,3)		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
					(TVFH 305) Inrush current [Emergency Operation]	•1)		NetWave as Source + external 3phase Measure
					(TVFH 306) Frequency variations [Emergency Operation]	•1)		
					(TVFH 307) Voltage modulation due to equipment [Emergency Operation]	•1)		NetWave as Source + external Relay and Scope
					(TVFH 401) Transparency time [Switching Transients]	•1)		
					(TVFH 402) Voltage switching transients 1 [Switching Transients]	•1)		
					(TVFH 403) Voltage switching transients 2[Switching Transients]	•1)		
					(TVFH 404) Voltage switching transients with frequency [Switching Transients]	•1)		
					(TVFH 501) Power line disconnection [PowerSupply removal]			NetWave as Source (the disconnection must be done manually)
					(TCFH 204) Frequency transients [Abnormal Operation]	•1)		
Boeing	7E7B3-0147 Revision A (2004-08)	AC	Column A 115 V [360 to 800 Hz]	3.3.2-1	(1.1) Individual Phase Voltage [Normal AC Steady-State]	•		
				3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•		
				3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•		
				3.3.2.1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•		
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)		AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•		
				3.3.2-1	(1.8) Frequency Modulation [Normal AC Steady-State]	•		
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•		
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3) Frequency Transients [Normal AC Transients]	•		
				3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	•		
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•		
				3.3.2-4	(3.1) Individual Phase Voltage [Abnormal AC Steady-State]	•		
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	•		
				3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	•		
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics, Normal Loads			NetWave as Source + external Measure
				3.4.3.7	Power Factor			NetWave as Source + external Measure
			Column B 230 V [360 to 800 Hz]	3.3.2-1	(1.1) Individual Phase Voltage [Normal AC Steady-State]	•		
				3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•		
				3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•		
				3.3.2.1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•		
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)		AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•		
				3.3.2-1	(1.8) Frequency Modulation [Normal AC Steady-State]	•		

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•		
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3) Frequency Transients [Normal AC Transients]	•		
				3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	•2)		Test 64 up to 315Vrms
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•		
				3.3.2-4	(3.1) Individual Phase Voltage [Abnormal AC Steady-State]	•		
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	•		
				3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	•2)		Test 3,4 up to 315Vrms
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics, Normal Loads			NetWave as Source + external Measure
				3.4.3.7	Power Factor			NetWave as Source + external Measure
		AC 3 Phase	Column A 115 V [360 to 800 Hz]	3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.4) Phase Voltage Unbalance [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)		AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.8) Frequency Modulation [Normal AC Steady-State]	•1)		
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•1)		
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3) Frequency Transients [Normal AC Transients]	•1)		
				3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	•1)		
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•1)		
				3.3.2-4	(3.1) Individual Phase Voltage [Abnormal AC Steady-State]	•1)		
				3.3.2-4	(3.2) Average of Three-Phase Voltages [Abnormal AC Steady-State]	•1)		
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	•1)		
				3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	•1)		
				3.4.1	Motor Start Performance for Direct Connected Three-Phase Motors			NetWave as Source
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics			NetWave as Source + external Measure
				3.4.3.6	Phase Unbalance			NetWave as Source + external Measure
				3.4.3.7	Power Factor			NetWave as Source + external Measure
			Column B 230 V [360 to 800 Hz]	3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.4) Phase Voltage Unbalance [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)		AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.8) Frequency Modulation [Normal AC Steady-State]	•1)		
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•1)		
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3) Frequency Transients [Normal AC Transients]	•1)		
				3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	•1,2)		Test 64 up to 315Vrms
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•1)		
				3.3.2-4	(3.1) Individual Phase Voltage [Abnormal AC Steady-State]	•1)		
				3.3.2-4	(3.2) Average of Three-Phase Voltages [Abnormal AC Steady-State]	•1)		
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	•1)		
				3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	•1,2)		Test 3,4 up to 315Vrms
				3.4.1	Motor Start Performance for Direct Connected Three-Phase Motors			NetWave as Source
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics			NetWave as Source + external Measure
				3.4.3.6	Phase Unbalance			NetWave as Source + external Measure
				3.4.3.7	Power Factor			NetWave as Source + external Measure
		DC	28V	3.3.3-1	(5.1-5.4) Normal Steady-State Voltage [Normal DC Steady-State]	•		
				3.3.3-1	(5.5) Voltage Ripple [Normal DC Steady-State]			Frequency up to 300kHz required (NetWave as Source + external Amplifier)
				3.3.3-2	(6.1) Normal Voltage Transients [Normal DC Transients]	•		
				3.3.3-2	(6.2) Voltage Spikes [Normal DC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.3-3	(A) Supplementary Transient Test Requirements [Supplementary Verification Tests]	•		

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				3.3.3-3	(B) Trapezoidal Transient Test Conditions [Supplementary Verification Tests]	•		
				3.3.3-4	(7.1-7.4) Abnormal Steady-State Voltage [Abnormal DC Steady-State]	•		
				3.3.3-5	(8.1) Voltage Transients [Abnormal DC Transients]	•		
				3.4.2	DC Reverse Polarity	•		
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
			270V	3.3.3-6	(9.1) Normal Steady-State Voltage [Normal DC Steady-State]	•		
				3.3.3-6	(9.2.2) Voltage Ripple [Normal DC Steady-State]	•4)		AMP200N / N1 + CN200N1 required
				3.3.3-7	(10.1) Voltage Transients [Normal DC Transients]	•		
				3.3.3-7	(10.2) Voltage Spikes [Normal DC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.3.8	(A) Supplementary Transient Test Requirements [Supplementary Verification Tests]	•		
				3.3.3.8	(B) Trapezoidal Transient Test Conditions [Supplementary Verification Tests]	•		
				3.3.3.9	(11.1) Abnormal Steady-State Voltage [Abnormal DC Steady-State]	•		
				3.3.3.9	(11.2) Voltage Ripple [Abnormal DC Steady-State]			
				3.3.3-10	(11.3) Common Mode Voltage [Abnormal DC Steady-State]			
				3.3.3-10	(12.1) Voltage Transients [Abnormal DC Transients]	•		
				3.4.2	DC Reverse Polarity	•		
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
	787B3-0147 Revision B (2006-04)	AC	Equipment Column A 115 V [360 to 800 Hz]	3.3.2-1	(1.1) Individual Phase Voltage [Normal AC Steady-State]	•		
				3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•		
				3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•		
				3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•		
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)		AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•		
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•		
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3.1) Frequency Variations - Maximum Ramp Rate [Normal AC Transients]	•		
				3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	•		
				3.3.2-3	(B) Trapezoidal Transient Test Conditions [Supplementary Verification Tests]	•		
				3.3.2-4	(3.1) Individual Phase Voltage [Abnormal AC Steady-State]	•		
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	•		
				3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	•		
				3.3.2-5	(4.2.1) Frequency Variations - Maximum Ramp Rate [Abnormal AC Transients]	•		
				3.3.2-5	(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	•		
				3.3.2-5	(4.3) DC Content [Abnormal AC Transients]	•		
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics			NetWave as Source + external Measure
				3.4.3.7	Power Factor			NetWave as Source + external Measure
			Ground Handling Equipment Column A 115 V [360 to 800 Hz]	3.3.2-1	(1.1) Individual Phase Voltage [Normal AC Steady-State]	•		
				3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•		
				3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•		
				3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•		
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)		AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•		
				3.3.2-1	(1.8) Frequency Modulation [Normal AC Steady-State]	•		
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•		
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3.2) Frequency Variations - Frequency Transients [Normal AC Transients]	•		
				3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	•		
				3.3.2-3	(B) Trapezoidal Transient Test Conditions [Supplementary Verification Tests]	•		
				3.3.2-4	(3.1) Individual Phase Voltage [Abnormal AC Steady-State]	•		
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	•		
				3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	•		
				3.3.2-5	(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	•		
				3.3.2-5	(4.3) DC Content [Abnormal AC Transients]	•		
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics			NetWave as Source + external Measure
				3.4.3.7	Power Factor			NetWave as Source + external Measure
			Equipment Column B 235 V [360 to 800 Hz]	3.3.2-1	(1.1) Individual Phase Voltage [Normal AC Steady-State]	•		
				3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•		
				3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•		
				3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•		

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)		AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•		
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•		
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3.1) Frequency Variations - Maximum Ramp Rate [Normal AC Transients]	•		
				3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	•2)		Test 64 up to 315Vrms
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•		
				3.3.2-4	(3.1) Individual Phase Voltage [Abnormal AC Steady-State]	•		
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	•		
				3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	•2)		Test 3,4 up to 315Vrms
				3.3.2-5	(4.2.1) Frequency Variations - Maximum Ramp Rate [Abnormal AC Transients]	•		
				3.3.2-5	(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	•		
				3.3.2-5	(4.3) DC Content [Abnormal AC Transients]	•		
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics			NetWave as Source + external Measure
				3.4.3.7	Power Factor			NetWave as Source + external Measure
			Ground Handling Equipment Column B 235 V [360 to 800 Hz]	3.3.2-1	(1.1) Individual Phase Voltage [Normal AC Steady-State]	•		
				3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•		
				3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•		
				3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•		
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)		AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•		
				3.3.2-1	(1.8) Frequency Modulation [Normal AC Steady-State]	•		
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•		
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3.2) Frequency Variations - Frequency Transients [Normal AC Transients]	•		
				3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	•2)		Test 64 up to 315Vrms
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•		
				3.3.2-4	(3.1) Individual Phase Voltage [Abnormal AC Steady-State]	•		
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	•		
				3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	•2)		Test 3,4 up to 315Vrms
				3.3.2-5	(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	•		
				3.3.2-5	(4.3) DC Content [Abnormal AC Transients]	•		
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics			NetWave as Source + external Measure
				3.4.3.7	Power Factor			NetWave as Source + external Measure
		AC 3 Phase	Equipment Column A 115 V [360 to 800 Hz]	3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.4) Phase Voltage Unbalance [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)		AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•1)		
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•1)		
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3.1) Frequency Variations - Maximum Ramp Rate [Normal AC Transients]	•1)		
				3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	•1)		
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•1)		
				3.3.2-4	(3.2) Average of Three-Phase Voltages [Abnormal AC Steady-State]	•1)		
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	•1)		
				3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	•1)		
				3.3.2-5	(4.2.1) Frequency Variations - Maximum Ramp Rate [Abnormal AC Transients]	•1)		
				3.3.2-5	(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	•1)		
				3.3.2-5	(4.3) DC Content [Abnormal AC Transients]	•1)		
				3.4.1	Motor Start Performance for Direct Connected Three-Phase Motors			NetWave as Source
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics			NetWave as Source + external Measure
				3.4.3.6	Phase Unbalance			NetWave as Source + external Measure

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				3.4.3.7	Power Factor			NetWave as Source + external Measure
			Ground Handling Equipment Column A 115 V [360 to 800 Hz]	3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.4) Phase Voltage Unbalance [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)		AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.8) Frequency Modulation [Normal AC Steady-State]	•1)		
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•1)		
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3.2) Frequency Variations - Frequency Transients [Normal AC Transients]	•1)		
				3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	•1)		
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•1)		
				3.3.2-4	(3.2) Average of Three-Phase Voltages [Abnormal AC Steady-State]	•1)		
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	•1)		
				3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	•1)		
				3.3.2-5	(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	•1)		
				3.3.2-5	(4.3) DC Content [Abnormal AC Transients]	•1)		
				3.4.1	Motor Start Performance for Direct Connected Three-Phase Motors			NetWave as Source
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics			NetWave as Source + external Measure
				3.4.3.6	Phase Unbalance			NetWave as Source + external Measure
				3.4.3.7	Power Factor			NetWave as Source + external Measure
			Equipment Column B 235 V [360 to 800 Hz]	3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.4) Phase Voltage Unbalance [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)		AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•1)		
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•1)		
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3.1) Frequency Variations - Maximum Ramp Rate [Normal AC Transients]	•1)		
				3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	•1,2)		Test 64 up to 315Vrms
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•1)		
				3.3.2-4	(3.2) Average of Three-Phase Voltages [Abnormal AC Steady-State]	•1)		
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	•1)		
				3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	•1,2)		Test 3,4 up to 315Vrms
				3.3.2-5	(4.2.1) Frequency Variations - Maximum Ramp Rate [Abnormal AC Transients]	•1)		
				3.3.2-5	(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	•1)		
				3.3.2-5	(4.3) DC Content [Abnormal AC Transients]	•1)		
				3.4.1	Motor Start Performance for Direct Connected Three-Phase Motors			NetWave as Source
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics			NetWave as Source + external Measure
				3.4.3.6	Phase Unbalance			NetWave as Source + external Measure
				3.4.3.7	Power Factor			NetWave as Source + external Measure
			Ground Handling Equipment Column B 235 V [360 to 800 Hz]	3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.4) Phase Voltage Unbalance [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)		AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.8) Frequency Modulation [Normal AC Steady-State]	•1)		
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•1)		
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3.2) Frequency Variations - Frequency Transients [Normal AC Transients]	•1)		
				3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	•1,2)		Test 64 up to 315Vrms
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•1)		
				3.3.2-4	(3.2) Average of Three-Phase Voltages [Abnormal AC Steady-State]	•1)		
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	•1)		
				3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	•1,2)		Test 3,4 up to 315Vrms

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				3.3.2-5	(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	•[1)]		
				3.3.2-5	(4.3) DC Content [Abnormal AC Transients]	•[1)]		
				3.4.1	Motor Start Performance for Direct Connected Three-Phase Motors			NetWave as Source
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics			NetWave as Source + external Measure
				3.4.3.6	Phase Unbalance			NetWave as Source + external Measure
				3.4.3.7	Power Factor			NetWave as Source + external Measure
		DC	28V	3.3.3-1	(5.1-5.4) Normal Steady-State Voltage [Normal DC Steady-State]	•		
				3.3.3-1	(5.5) Voltage Ripple [Normal DC Steady-State]			Frequency up to 300kHz required (NetWave as Source + external Amplifier)
				3.3.3-2	(6.1) Normal Voltage Transients [Normal DC Transients]	•		
				3.3.3-2	(6.2) Voltage Spikes [Normal DC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.3-3	(A) Supplementary Transient Test Requirements [Supplementary Verification Tests]	•		
				3.3.3-3	(B) Trapezoidal Transient Test Conditions [Supplementary Verification Tests]	•		
				3.3.3-4	(7.1-7.4) Abnormal Steady-State Voltage [Abnormal DC Steady-State]	•		
				3.3.3-5	(8.1) Voltage Transients [Abnormal DC Transients]	•		
				3.4.2	DC Reverse Polarity	•		
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
			270V	3.3.3-6	(9.1) Normal Steady-State Voltage [Normal DC Steady-State]	•		
				3.3.3-6	(9.2.1) Voltage Ripple - Maximum Amplitude [Normal DC Steady-State]	•		
				3.3.3-6	(9.2.2) Voltage Ripple - Differential Mode Ripple [Normal DC Steady-State]	•[4)]		AMP200N / N1 + CN200N1 required
				3.3.3-6	(9.3.1) Common Mode Voltage - Maximum Amplitude	•		
				3.3.3-6	(9.3.2) Common Mode Voltage - Frequency Components	•[4)]		AMP200N / N1 + CN200N1 required
				3.3.3-7	(10.1) Voltage Transients [Normal DC Transients]	•		
				3.3.3-8	(11.1) Abnormal Steady-State Voltage [Abnormal DC Steady-State]	•		
				3.3.3-8	(11.2) Voltage Ripple - Maximum Amplitude [Abnormal DC Steady-State]	•		
				3.3.3-9	(11.3) Common Mode Voltage [Abnormal DC Steady-State]			
				3.3.3-9	(12.1) Abnormal Voltage Transients [Abnormal DC Transients]	•		
				3.4.2	DC Reverse Polarity	•		
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
			130V	3.3.3-10	(13.1) Normal Steady-State Voltage [Normal DC Steady-State]	•		
				3.3.3-10	(13.2) Common Mode Voltage [Normal DC Steady-State]	•		
				3.3.3-10	(13.3) Differential Mode Ripple [Normal DC Steady-State]	•[4)]		AMP200N / N1 + CN200N1 required
				3.3.3-11	(14.1) Voltage Transients [Normal DC Transients]	•		
				3.3.3-12	(15.1) Abnormal Steady-State Voltage [Abnormal DC Steady-State]	•		
				3.3.3-13	(16.1) Voltage Transients [Abnormal DC Transients]	•		
				3.4.2	DC Reverse Polarity	•		
	787B3-0147 Revision C (2006-10)	AC	Equipment Column A 115 V [360 to 800 Hz]	3.3.2-1	(1.1) Individual Phase Voltage [Normal AC Steady-State]	•		
				3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•		
				3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•		
				3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•		
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•[4)]		AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•		
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•		
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3.1) Frequency Variations - Maximum Ramp Rate [Normal AC Transients]	•		
				3.3.2-2	(2.4) Multiple Stroke Power Interrupts	•		
				3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	•		
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•		
				3.3.2-4	(3.1) Individual Phase Voltage [Abnormal AC Steady-State]	•		
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	•		
				3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	•		
				3.3.2-5	(4.2.1) Frequency Variations - Maximum Ramp Rate [Abnormal AC Transients]	•		
				3.3.2-5	(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	•		
				3.3.2-5	(4.3) DC Content [Abnormal AC Transients]	•		
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics			NetWave as Source + external Measure
				3.4.3.7	Power Factor			NetWave as Source + external Measure
			Ground Handling Equipment Column A 115 V [360 to 800 Hz]	3.3.2-1	(1.1) Individual Phase Voltage [Normal AC Steady-State]	•		
				3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•		
				3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•		
				3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•		

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)		AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•		
				3.3.2-1	(1.8) Frequency Modulation [Normal AC Steady-State]	•		
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•		
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3.2) Frequency Variations - Frequency Transients [Normal AC Transients]	•		
				3.3.2-2	(2.4) Multiple Stroke Power Interrupts	•		
				3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	•		
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•		
				3.3.2-4	(3.1) Individual Phase Voltage [Abnormal AC Steady-State]	•		
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	•		
				3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	•		
				3.3.2-5	(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	•		
				3.3.2-5	(4.3) DC Content [Abnormal AC Transients]	•		
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics			NetWave as Source + external Measure
				3.4.3.7	Power Factor			NetWave as Source + external Measure
			Equipment Column B 235 V [360 to 800 Hz]	3.3.2-1	(1.1) Individual Phase Voltage [Normal AC Steady-State]	•		
				3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•		
				3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•		
				3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•		
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)		AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•		
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•		
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3.1) Frequency Variations - Maximum Ramp Rate [Normal AC Transients]	•		
				3.3.2-2	(2.4) Multiple Stroke Power Interrupts	•		
				3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	•2)		Test 64 up to 315Vrms
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•		
				3.3.2-4	(3.1) Individual Phase Voltage [Abnormal AC Steady-State]	•		
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	•		
				3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	•2)		Test 3,4 up to 315Vrms
				3.3.2-5	(4.2.1) Frequency Variations - Maximum Ramp Rate [Abnormal AC Transients]	•		
				3.3.2-5	(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	•		
				3.3.2-5	(4.3) DC Content [Abnormal AC Transients]	•		
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics			NetWave as Source + external Measure
				3.4.3.7	Power Factor			NetWave as Source + external Measure
			Ground Handling Equipment Column B 235 V [360 to 800 Hz]	3.3.2-1	(1.1) Individual Phase Voltage [Normal AC Steady-State]	•		
				3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•		
				3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•		
				3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•		
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)		AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•		
				3.3.2-1	(1.8) Frequency Modulation [Normal AC Steady-State]	•		
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•		
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3.2) Frequency Variations - Frequency Transients [Normal AC Transients]	•		
				3.3.2-2	(2.4) Multiple Stroke Power Interrupts	•		
				3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	•2)		Test 64 up to 315Vrms
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•		
				3.3.2-4	(3.1) Individual Phase Voltage [Abnormal AC Steady-State]	•		
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	•		
				3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	•2)		Test 3,4 up to 315Vrms
				3.3.2-5	(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	•		
				3.3.2-5	(4.3) DC Content [Abnormal AC Transients]	•		
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics			NetWave as Source + external Measure
				3.4.3.7	Power Factor			NetWave as Source + external Measure
		AC 3 Phase	Equipment Column A 115 V [360 to 800 Hz]	3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.4) Phase Voltage Unbalance [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)		AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•1)		
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•1)		
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3.1) Frequency Variations - Maximum Ramp Rate [Normal AC Transients]	•1)		
				3.3.2-2	(2.4) Multiple Stroke Power Interrupts	•1)		
				3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	•1)		
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•1)		
				3.3.2-4	(3.2) Average of Three-Phase Voltages [Abnormal AC Steady-State]	•1)		
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	•1)		
				3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	•1)		
				3.3.2-5	(4.2.1) Frequency Variations - Maximum Ramp Rate [Abnormal AC Transients]	•1)		
				3.3.2-5	(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	•1)		
				3.3.2-5	(4.3) DC Content [Abnormal AC Transients]	•1)		
				3.4.1	Motor Start Performance for Direct Connected Three-Phase Motors			NetWave as Source
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics			NetWave as Source + external Measure
				3.4.3.6	Phase Unbalance			NetWave as Source + external Measure
				3.4.3.7	Power Factor			NetWave as Source + external Measure
			Ground Handling Equipment Column A 115 V [360 to 800 Hz]	3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.4) Phase Voltage Unbalance [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)		AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.8) Frequency Modulation [Normal AC Steady-State]	•1)		
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•1)		
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3.2) Frequency Variations - Frequency Transients [Normal AC Transients]	•1)		
				3.3.2-2	(2.4) Multiple Stroke Power Interrupts	•1)		
				3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	•1)		
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•1)		
				3.3.2-4	(3.2) Average of Three-Phase Voltages [Abnormal AC Steady-State]	•1)		
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	•1)		
				3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	•1)		
				3.3.2-5	(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	•1)		
				3.3.2-5	(4.3) DC Content [Abnormal AC Transients]	•1)		
				3.4.1	Motor Start Performance for Direct Connected Three-Phase Motors			NetWave as Source
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics			NetWave as Source + external Measure
				3.4.3.6	Phase Unbalance			NetWave as Source + external Measure
				3.4.3.7	Power Factor			NetWave as Source + external Measure
			Equipment Column B 235 V [360 to 800 Hz]	3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.4) Phase Voltage Unbalance [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)		AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•1)		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•1)		
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•1)		
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3.1) Frequency Variations - Maximum Ramp Rate [Normal AC Transients]	•1)		

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				3.3.2-2	(A) Supplementary Transient Test [Supplementary Verification Tests]	•[1,2]		Test 64 up to 315Vrms
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•[1]		
				3.3.2-3	(3.2) Average of Three-Phase Voltages [Abnormal AC Steady-State]	•[1]		
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	•[1]		
				3.3.2-4	(4.1) Voltage Transients [Abnormal AC Transients]	•[1,2]		Test 3,4 up to 315Vrms
				3.3.2-5	(4.2.1) Frequency Variations - Maximum Ramp Rate [Abnormal AC Transients]	•[1]		
				3.3.2-5	(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	•[1]		
				3.3.2-5	(4.3) DC Content [Abnormal AC Transients]	•[1]		
				3.3.2-5	Motor Start Performance for Direct Connected Three-Phase Motors			NetWave as Source
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics			NetWave as Source + external Measure
				3.4.3.6	Phase Unbalance			NetWave as Source + external Measure
				3.4.3.7	Power Factor			NetWave as Source + external Measure
			Ground Handling Equipment Column B 235 V [360 to 800 Hz]	3.3.2-1	(1.4) Phase Voltage Unbalance [Normal AC Steady-State]	•[1]		
				3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•[1]		
				3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•[1]		
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•[4]		AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•[1]		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•[1]		
				3.3.2-1	(1.8) Frequency Modulation [Normal AC Steady-State]	•[1]		
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•[1]		
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3.2) Frequency Variations - Frequency Transients [Normal AC Transients]	•[1]		
				3.3.2-2	(A) Supplementary Transient Test [Supplementary Verification Tests]	•[1,2]		Test 64 up to 315Vrms
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•[1]		
				3.3.2-3	(3.2) Average of Three-Phase Voltages [Abnormal AC Steady-State]	•[1]		
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	•[1]		
				3.3.2-4	(4.1) Voltage Transients [Abnormal AC Transients]	•[1,2]		Test 3,4 up to 315Vrms
				3.3.2-5	(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	•[1]		
				3.3.2-5	(4.3) DC Content [Abnormal AC Transients]	•[1]		
				3.3.2-5	Motor Start Performance for Direct Connected Three-Phase Motors			NetWave as Source
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics			NetWave as Source + external Measure
				3.4.3.6	Phase Unbalance			NetWave as Source + external Measure
				3.4.3.7	Power Factor			NetWave as Source + external Measure
		DC	28V	3.3.3-1	(5.1-5.4) Normal Steady-State Voltage [Normal DC Steady-State]	•		
				3.3.3-1	(5.5) Voltage Ripple [Normal DC Steady-State]			Frequency up to 300kHz required (NetWave as Source + external Amplifier)
				3.3.3-2	(6.1) Normal Voltage Transients [Normal DC Transients]	•		
				3.3.3-2	(6.2) Voltage Spikes [Normal DC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.3-2	(6.3) Multiple Stroke Power Interrupts	•		
				3.3.3-3	(A) Supplementary Transient Test Requirements [Supplementary Verification Tests]	•		
				3.3.3-3	(B) Trapezoidal Transient Test Conditions [Supplementary Verification Tests]	•		
				3.3.3-4	(7.1-7.4) Abnormal Steady-State Voltage [Abnormal DC Steady-State]	•		
				3.3.3-5	(8.1) Voltage Transients [Abnormal DC Transients]	•		
				3.4.2	DC Reverse Polarity	•		
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
			270V	3.3.3-6	(9.1) Normal Steady-State Voltage [Normal DC Steady-State]	•		
				3.3.3-6	(9.2.1) Voltage Ripple - Maximum Amplitude [Normal DC Steady-State]	•		
				3.3.3-6	(9.2.2) Voltage Ripple - Differential Mode Ripple [Normal DC Steady-State]	•[4]		AMP200N / N1 + CN200N1 required
				3.3.3-6	(9.3.1) Common Mode Voltage - Maximum Amplitude	•		
				3.3.3-6	(9.3.2) Common Mode Voltage - Frequency Components	•[4]		AMP200N / N1 + CN200N1 required
				3.3.3-7	(10.1) Voltage Transients [Normal DC Transients]	•		
				3.3.3-8	(11.1) Abnormal Steady-State Voltage [Abnormal DC Steady-State]	•		
				3.3.3-8	(11.2) Voltage Ripple - Maximum Amplitude [Abnormal DC Steady-State]	•		
				3.3.3-9	(11.3) Common Mode Voltage [Abnormal DC Steady-State]			
				3.3.3-9	(12.1) Abnormal Voltage Transients [Abnormal DC Transients]	•		
				3.4.2	DC Reverse Polarity	•		
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
			130V	3.3.3-10	(13.1) Normal Steady-State Voltage [Normal DC Steady-State]	•		
				3.3.3-10	(13.2) Common Mode Voltage [Normal DC Steady-State]	•		
				3.3.3-10	(13.3) Differential Mode Ripple [Normal DC Steady-State]	•[4]		AMP200N / N1 + CN200N1 required
				3.3.3-11	(14.1) Voltage Transients [Normal DC Transients]	•		
				3.3.3-12	(15.1) Abnormal Steady-State Voltage [Abnormal DC Steady-State]	•		

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				3.3.3-13	(16.1) Voltage Transients [Abnormal DC Transients]	•		
				3.4.2	DC Reverse Polarity	•		
GOST	19705_89	AC	115 V	1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 1	•		
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 2	•		
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 3	•		
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 4	•		
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 5	•		
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 6	•		
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 7	•		
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 8	•		
				1.2	1.2 Check of receivers - Test cycles for ac voltage - Table 14 - Cycle 1	•		
				1.2	1.2 Check of receivers - Test cycles for ac voltage - Table 14 - Cycle 2	•		
				1.2	1.2 Check of receivers - Test cycles for ac voltage - Table 14 - Cycle 3	•		
				1.3	1.3 Check of receivers - Test cycles for ac voltage - Table 15 - Cycle 1	•		
				1.3	1.3 Check of receivers - Test cycles for ac voltage - Table 15 - Cycle 2	•		
				1.3	1.3 Check of receivers - Test cycles for ac voltage - Table 15 - Cycle 3	•		
				1.3	1.3 Check of receivers - Test cycles for ac voltage - Table 15 - Cycle 4	•		
				1.4	1.4 Check of receivers - Test cycles for ac voltage - Table 16 - Cycle 1	•		
				1.4	1.4 Check of receivers - Test cycles for ac voltage - Table 16 - Cycle 2	•		
				1.4	1.4 Check of receivers - Test cycles for ac voltage - Table 16 - Cycle 3	•		
				1.4	1.4 Check of receivers - Test cycles for ac voltage - Table 16 - Cycle 4	•		
		AC 3 Phase	115 V	1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 1	•[1)]		
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 2	•[1)]		
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 3	•[1)]		
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 4	•[1)]		
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 5	•[1)]		
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 6	•[1)]		
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 7	•[1)]		
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 8	•[1)]		
				1.2	1.2 Check of receivers - Test cycles for ac voltage - Table 14 - Cycle 1	•[1)]		
				1.2	1.2 Check of receivers - Test cycles for ac voltage - Table 14 - Cycle 2	•[1)]		
				1.2	1.2 Check of receivers - Test cycles for ac voltage - Table 14 - Cycle 3	•[1)]		
				1.3	1.3 Check of receivers - Test cycles for ac voltage - Table 15 - Cycle 1	•[1)]		
				1.3	1.3 Check of receivers - Test cycles for ac voltage - Table 15 - Cycle 2	•[1)]		
				1.3	1.3 Check of receivers - Test cycles for ac voltage - Table 15 - Cycle 3	•[1)]		
				1.3	1.3 Check of receivers - Test cycles for ac voltage - Table 15 - Cycle 4	•[1)]		
				1.4	1.4 Check of receivers - Test cycles for ac voltage - Table 16 - Cycle 1	•[1)]		
				1.4	1.4 Check of receivers - Test cycles for ac voltage - Table 16 - Cycle 2	•[1)]		
				1.4	1.4 Check of receivers - Test cycles for ac voltage - Table 16 - Cycle 3	•[1)]		
				1.4	1.4 Check of receivers - Test cycles for ac voltage - Table 16 - Cycle 4	•[1)]		
		DC	27 V	2.1	2.1 Check of receivers - Test cycles for ac voltage - Table 17 - Cycle 1	•		
				2.1	2.1 Check of receivers - Test cycles for ac voltage - Table 17 - Cycle 2	•		
				2.1	2.1 Check of receivers - Test cycles for ac voltage - Table 17 - Cycle 3	•		
				2.1	2.1 Check of receivers - Test cycles for ac voltage - Table 17 - Cycle 4	•		
				2.2	2.2 Check of receivers - Test cycles for ac voltage - Table 18 - Cycle 1	•		
				2.2	2.2 Check of receivers - Test cycles for ac voltage - Table 18 - Cycle 2	•		
				2.2	2.2 Check of receivers - Test cycles for ac voltage - Table 18 - Cycle 3	•		
				2.3	2.3 Check of receivers - Test cycles for ac voltage - Table 19 - Cycle 1	•		
				2.3	2.3 Check of receivers - Test cycles for ac voltage - Table 19 - Cycle 2	•		
				2.3	2.3 Check of receivers - Test cycles for ac voltage - Table 19 - Cycle 3	•		
				2.3	2.3 Check of receivers - Test cycles for ac voltage - Table 19 - Cycle 4	•		
				2.4	2.4 Check of receivers - Test cycles for ac voltage - Table 20 - Cycle 1	•		
				2.4	2.4 Check of receivers - Test cycles for ac voltage - Table 20 - Cycle 2	•		
				2.4	2.4 Check of receivers - Test cycles for ac voltage - Table 20 - Cycle 3	•		
				2.5	2.5 Check of receivers - Test cycles for ac voltage - Table 21 - Cycle 1	•		
				2.5	2.5 Check of receivers - Test cycles for ac voltage - Table 21 - Cycle 2	•		
				2.5	2.5 Check of receivers - Test cycles for ac voltage - Table 21 - Cycle 3	•		
				2.5	2.5 Check of receivers - Test cycles for ac voltage - Table 21 - Cycle 4	•		
Military	AECTP-500 Edition 3 (2009-02)			15	CS01, conducted susceptibility, power leads, 30 Hz to 150 kHz	•	•	AMP200N1 + CN200N1 or CWS500N3 required
				20	CS09, conducted susceptibility, structure current, 60 Hz to 100 kHz	•	•	AMP200N1 + CN200N1 or CWS500N3 required
				31	RS01, radiated susceptibility, magnetic field, 30 Hz to 100 kHz (Radiating Loop)	•	•	AMP200N1 (180dBpT with Solar Antenne 10.52A)
				31	RS01, radiated susceptibility, magnetic field, 30 Hz to 100 kHz (Helmholtz)	•		AMP200N1 (only Air and Sea)
	MIL-STD-461C (1986-08)			5.7	CS01, conducted susceptibility, power leads, 30 Hz to 150 kHz		•	AMP200N1 + CN200N1 or CWS500N3 required
				5.12	CS09, conducted susceptibility, structure current, 60 Hz to 100 kHz		•	AMP200N1 + CN200N1 or CWS500N3 required
				5.19	RS01, radiated susceptibility, magnetic field, 30 Hz to 100 kHz		•	AMP200N1 (160dBpT with solar antenna 1.05A) or CWS500N3 required
	MIL-STD-461D (1993-01)			5.7	CS101, conducted susceptibility, power leads, 30 Hz to 150 kHz	•	•	AMP200N1 + CN200N1 or CWS500N3 required
				5.12	CS109, conducted susceptibility, structure current, 60 Hz to 100 kHz	•	•	AMP200N1 + CN200N1 or CWS500N3 required
				5.13	CS114, conducted susceptibility, bulk cable injection, 10 kHz to 200 MHz		•	CWS500N2
				5.14	RS101, radiated susceptibility, magnetic field, 30 Hz to 100 kHz	•	•	AMP200N1 or CWS500N3 required

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
	MIL-STD-461E (1999-08)			5.7	CS101, conducted susceptibility, power leads, 30 Hz to 150 kHz	•	•	AMP200N1 + CN200N1 or CWS500N3 required
				5.12	CS109, conducted susceptibility, structure current, 60 Hz to 100 kHz	•	•	AMP200N1 + CN200N1 or CWS500N3 required
				5.13	CS114, conducted susceptibility, bulk cable injection, 10 kHz to 200 MHz		•	CWS500N2
				5.14	RS101, radiated susceptibility, magnetic field, 30 Hz to 100 kHz	•	•	AMP200N1 (180dBpT with Solar Antenne 10.52A) or CWS500N3 required
	MIL-STD-461F (2007-12)			5.7	CS101, conducted susceptibility, power leads, 30 Hz to 150 kHz	•	•	AMP200N1 + CN200N1 required
				5.12	CS109, conducted susceptibility, structure current, 60 Hz to 100 kHz	•	•	AMP200N1 + CN200N1 required
				5.13	CS114, conducted susceptibility, bulk cable injection, 10 kHz to 200 MHz		•	CWS500N2
				5.14	RS101, radiated susceptibility, magnetic field, 30 Hz to 100 kHz (Radition Loop)	•	•	AMP200N1 (180dBpT with Solar Antenne 10.52A) or CWS500N3 required
				5.14	RS101, radiated susceptibility, magnetic field, 30 Hz to 100 kHz (Helmholtz)	•		AMP200N1 (only Navy)
	MIL-STD-704F (2004-03)	AC	SAC (Constant Frequency) 115V [400 Hz]		(SAC 101) Load and Current Harmonic Measurements [Normal Operation]	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
					(SAC 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•		
					(SAC 104) Voltage Modulation [Normal Operation]	•		
					(SAC 105) Frequency Modulation [Normal Operation]	•		
					(SAC 106) Voltage Distortion Spectrum [Normal Operation]	•4)		AMP200N1 + CN200N1 required
					(SAC 107) Total Voltage Distortion [Normal Operation]	•		
					(SAC 108) DC Voltage Component [Normal Operation]	•		
					(SAC 109) Normal Voltage Transients [Normal Operation]	•		
					(SAC 110) Normal Frequency Transients [Normal Operation]	•		
					(SAC 201) Power Interrupt [Transfer Operaion]	•		
					(SAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•		
					(SAC 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
					(SAC 303) Abnomal Frequency Transients [Abnormal Operation]	•		
					(SAC 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•		
					(SAC 601) Power Failure (Single Phase) [Power Failure Operation]	•		
					(SAC 603) Phase Reversal [Power Failure Operation]	•		
			SVF (Variable Frequency) 115V [360 to 800 Hz]		(SVF 101) Load and Current Harmonic Measurements [Normal Operation]	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
					(SVF 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•		
					(SVF 104) Voltage Modulation [Normal Operation]	•		
					(SVF 105) Frequency Modulation [Normal Operation]	•		
					(SVF 106) Voltage Distortion Spectrum [Normal Operation]	•4)		AMP200N1 + CN200N1 required
					(SVF 107) Total Voltage Distortion [Normal Operation]	•		
					(SVF 108) DC Voltage Component [Normal Operation]	•		
					(SVF 109) Normal Voltage Transients [Normal Operation]	•		
					(SVF 110) Normal Frequency Transients [Normal Operation]	•		
					(SVF 201) Power Interrupt [Transfer Operaion]	•		
					(SVF 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•		
					(SVF 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
					(SVF 303) Abnomal Frequency Transients [Abnormal Operation]	•		
					(SVF 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•		
					(SVF 601) Power Failure (Single Phase) [Power Failure Operation]	•		
					(SVF 603) Phase Reversal [Power Failure Operation]	•		
			SXF (Constant Frequency) 115V [60 Hz]		(SXF 101) Load and Current Harmonic Measurements [Normal Operation]	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
					(SXF 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•		
					(SXF 104) Voltage Modulation [Normal Operation]	•		
					(SXF 105) Frequency Modulation [Normal Operation]	•		
					(SXF 106) Voltage Distortion Spectrum [Normal Operation]	•4)		AMP200N1 + CN200N1 required
					(SXF 107) Total Voltage Distortion [Normal Operation]	•		
					(SXF 108) DC Voltage Component [Normal Operation]	•		
					(SXF 109) Normal Voltage Transients [Normal Operation]	•		
					(SXF 110) Normal Frequency Transients [Normal Operation]	•		
					(SXF 201) Power Interrupt [Transfer Operaion]	•		
					(SXF 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•		
					(SXF 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
					(SXF 303) Abnomal Frequency Transients [Abnormal Operation]	•		
					(SXF 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•		
					(SXF 601) Power Failure (Single Phase) [Power Failure Operation]	•		
					(SXF 603) Phase Reversal [Power Failure Operation]	•		
		AC 3 Phase	TAC (Constant Frequency) 115V [400 Hz]		(TAC 101) Load and Current Harmonic Measurements [Normal Operation]	•1,5)		Option NWBoard 3 Phase and Analyse License required
					(TAC 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•		
					(TAC 103) Voltage Phase Difference [Normal Operation]	•		
					(TAC 104) Voltage Modulation [Normal Operation]	•		
					(TAC 105) Frequency Modulation [Normal Operation]	•		
					(TAC 106) Voltage Distortion Spectrum [Normal Operation]	•4)		AMP200N1 + CN200N1 required
					(TAC 107) Total Voltage Distortion [Normal Operation]	•		
					(TAC 108) DC Voltage Component [Normal Operation]	•		
					(TAC 109) Normal Voltage Transients [Normal Operation]	•		
					(TAC 110) Normal Frequency Transients [Normal Operation]	•		
					(TAC 201) Power Interrupt [Transfer Operaion]	•		
					(TAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•		

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
					(TAC 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
					(TAC 303) Abnomal Frequency Transients [Abnormal Operation]	•		
					(TAC 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•		
					(TAC 601) Power Failure (Three Phase) [Power Failure Operation]	•		
					(TAC 602) One and Two Phase Power Failurer [Power Failure Operation]	•		
					(TAC 603) Phase Reversal [Power Failure Operation]	•		
			TVF (Variable Frequency) 115V [360 to 800 Hz]		(TVF 101) Load and Current Harmonic Measurements [Normal Operation]	•[1,5]		Option NWBoard 3 Phase and Analyse License required
					(TVF 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•		
					(TVF 103) Voltage Phase Difference [Normal Operation]	•		
					(TVF 104) Voltage Modulation [Normal Operation]	•		
					(TVF 105) Frequency Modulation [Normal Operation]	•		
					(TVF 106) Voltage Distortion Spectrum [Normal Operation]	•[4]		AMP200N1 + CN200N1 required
					(TVF 107) Total Voltage Distortion [Normal Operation]	•		
					(TVF 108) DC Voltage Component [Normal Operation]	•		
					(TVF 109) Normal Voltage Transients [Normal Operation]	•		
					(TVF 110) Normal Frequency Transients [Normal Operation]	•		
					(TVF 201) Power Interrupt [Transfer Operaion]	•		
					(TVF 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•		
					(TVF 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
					(TVF 303) Abnomal Frequency Transients [Abnormal Operation]	•		
					(TVF 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•		
					(TVF 601) Power Failure (Three Phase) [Power Failure Operation]	•		
					(TVF 602) One and Two Phase Power Failures [Power Failure Operation]	•		
					(TVF 603) Phase Reversal [Power Failure Operation]	•		
		DC	LDC (Low Voltage DC) 28V		(LDC 101) Load Measurements [Normal Operation]	•[5]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
					(LDC 102) Steady State Limits for Voltage [Normal Operation]	•		
					(LDC 103) Voltage Distortion Spectrum [Normal Operation]	•[4]		AMP200N1 + CN200N1 required for LDC103 C-K, Filterbox required for LDC103 A+B
					(LDC 104) Total Ripple [Normal Operation]	•		Filterbox required
					(LDC 105) Normal Voltage Transients [Normal Operation]	•		
					(LDC 201) Power Interrupt [Transfer Operation]	•		
					(LDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]	•		
					(LDC 302) Abnormal Voltage Transients [Abnomal Operation]	•		
					(LDC 401) Emergency Limits for Voltage [Emercency Operation]	•		
					(LDC 501) Starting Voltage Transients [Starting Operation]	•		
					(LDC 601) Power Failure [Power Failure Operation]	•		
					(LDC 602) Polarity Reversal [Power Failure Operation]	•		
			HDC (High Voltage DC) 270V		(HDC 101) Load Measurements [Normal Operation]	•[5]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
					(HDC 102) Steady State Limits for Voltage [Normal Operation]	•		
					(HDC 103) Voltage Distortion Spectrum [Normal Operation]	•		AMP200N1 + CN200N1 required for HDC103 C-K, Filterbox required for HDC103 A+B
					(HDC 104) Total Ripple [Normal Operation]	•		Filterbox required
					(HDC 105) Normal Voltage Transients [Normal Operation]	•		
					(HDC 201) Power Interrupt [Transfer Operation]	•		
					(HDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]	•		
					(HDC 302) Abnormal Voltage Transients [Abnomal Operation]	•		
					(HDC 401) Emergency Limits for Voltage [Emercency Operation]	•		
					(HDC 501) Starting Voltage Transients [Starting Operation]	•		
					(HDC 601) Power Failure [Power Failure Operation]	•		
					(HDC 602) Polarity Reversal [Power Failure Operation]	•		
	MIL-STD-704E (1991-05)	AC	SAC (Constant Frequency) 115V [400 Hz]		(SAC 101) Load and Current Harmonic Measurements [Normal Operation]	•[5]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
					(SAC 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•		
					(SAC 104) Voltage Modulation [Normal Operation]	•		
					(SAC 105) Frequency Modulation [Normal Operation]	•		
					(SAC 106) Voltage Distortion Spectrum [Normal Operation]	•[4]		AMP200N1 + CN200N1 required
					(SAC 107) Total Voltage Distortion [Normal Operation]	•		
					(SAC 108) DC Voltage Component [Normal Operation]	•		
					(SAC 109) Normal Voltage Transients [Normal Operation]	•		
					(SAC 110) Normal Frequency Transients [Normal Operation]	•		
					(SAC 201) Power Interrupt [Transfer Operaion]	•		
					(SAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•		
					(SAC 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
					(SAC 303) Abnomal Frequency Transients [Abnormal Operation]	•		
					(SAC 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•		
					(SAC 601) Power Failure (Single Phase) [Power Failure Operation]	•		
		AC 3 Phase	TAC (Constant Frequency) 115V [400 Hz]		(TAC 101) Load and Current Harmonic Measurements [Normal Operation]	•[1,5]		Option NWBoard 3 Phase and Analyse License required
					(TAC 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•		
					(TAC 103) Voltage Phase Difference [Normal Operation]	•		
					(TAC 104) Voltage Modulation [Normal Operation]	•		
					(TAC 105) Frequency Modulation [Normal Operation]	•		
					(TAC 106) Voltage Distortion Spectrum [Normal Operation]	•[4]		AMP200N1 + CN200N1 required

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
					(TAC 107) Total Voltage Distortion [Normal Operation]	•		
					(TAC 108) DC Voltage Component [Normal Operation]	•		
					(TAC 109) Normal Voltage Transients [Normal Operation]	•		
					(TAC 110) Normal Frequency Transients [Normal Operation]	•		
					(TAC 201) Power Interrupt [Transfer Operaion]	•		
					(TAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•		
					(TAC 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
					(TAC 303) Abnomal Frequency Transients [Abnormal Operation]	•		
					(TAC 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•		
					(TAC 601) Power Failure (Three Phase) [Power Failure Operation]	•		
					(TAC 602) One and Two Phase Power Failures [Power Failure Operation]	•		
		DC	LDC (Low Voltage DC) 28V		(LDC 101) Load Measurements [Normal Operation]	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
					(LDC 102) Steady State Limits for Voltage [Normal Operation]	•		
					(LDC 103) Voltage Distortion Spectrum [Normal Operation]	•4)		AMP200N1 + CN200N1 required for LDC103 C-K, Filterbox required for LDC103 A+B
					(LDC 104) Total Ripple [Normal Operation]	•		Filterbox required
					(LDC 105) Normal Voltage Transients [Normal Operation]	•		
					(LDC 201) Power Interrupt [Transfer Operation]	•		
					(LDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]	•		
					(LDC 302) Abnormal Voltage Transients [Abnomal Operation]	•		
					(LDC 401) Emergency Limits for Voltage [Emercency Operation]	•		
					(LDC 501) Starting Voltage Transients [Starting Operation]	•		
					(LDC 601) Power Failure [Power Failure Operation]	•		
			HDC (High Voltage DC) 270V		(HDC 101) Load Measurements [Normal Operation]	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
					(HDC 102) Steady State Limits for Voltage [Normal Operation]	•		
					(HDC 103) Voltage Distortion Spectrum [Normal Operation]	•		AMP200N1 + CN200N1 required for HDC103 C-K, Filterbox required for HDC103 A+B
					(HDC 104) Total Ripple [Normal Operation]	•		Filterbox required
					(HDC 105) Normal Voltage Transients [Normal Operation]	•		
					(HDC 201) Power Interrupt [Transfer Operation]	•		
					(HDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]	•		
					(HDC 302) Abnormal Voltage Transients [Abnomal Operation]	•		
					(HDC 401) Emergency Limits for Voltage [Emercency Operation]	•		
					(HDC 501) Starting Voltage Transients [Starting Operation]	•		
					(HDC 601) Power Failure [Power Failure Operation]	•		
	MIL-STD-704D (1980-09)	AC	SAC (Constant Frequency) 115V [400 Hz]		(SAC 101) Load and Current Harmonic Measurements [Normal Operation]	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
					(SAC 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•		
					(SAC 105) Frequency Modulation [Normal Operation]	•		
					(SAC 106) Voltage Distortion Spectrum [Normal Operation]	•4)		AMP200N1 + CN200N1 required
					(SAC 107) Total Voltage Distortion [Normal Operation]	•		
					(SAC 108) DC Voltage Component [Normal Operation]	•		
					(SAC 109) Normal Voltage Transients [Normal Operation]	•		
					(SAC 110) Normal Frequency Transients [Normal Operation]	•		
					(SAC 201) Power Interrupt [Transfer Operaion]	•		
					(SAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•		
					(SAC 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
					(SAC 303) Abnomal Frequency Transients [Abnormal Operation]	•		
					(SAC 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•		
					(SAC 601) Power Failure (Single Phase) [Power Failure Operation]	•		
		AC 3 Phase	TAC (Constant Frequency) 115V [400 Hz]		(TAC 101) Load and Current Harmonic Measurements [Normal Operation]	•1,5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
					(TAC 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•		
					(TAC 103) Voltage Phase Difference [Normal Operation]	•		
					(TAC 104) Voltage Modulation [Normal Operation]	•		
					(TAC 105) Frequency Modulation [Normal Operation]	•		
					(TAC 106) Voltage Distortion Spectrum [Normal Operation]	•4)		AMP200N1 + CN200N1 required
					(TAC 107) Total Voltage Distortion [Normal Operation]	•		
					(TAC 108) DC Voltage Component [Normal Operation]	•		
					(TAC 109) Normal Voltage Transients [Normal Operation]	•		
					(TAC 110) Normal Frequency Transients [Normal Operation]	•		
					(TAC 201) Power Interrupt [Transfer Operaion]	•		
					(TAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•		
					(TAC 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
					(TAC 303) Abnomal Frequency Transients [Abnormal Operation]	•		
					(TAC 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•		
					(TAC 601) Power Failure (Three Phase) [Power Failure Operation]	•		
					(TAC 602) One and Two Phase Power Failures [Power Failure Operation]	•		
		DC	LDC (Low Voltage DC) 28V		(LDC 101) Load Measurements [Normal Operation]	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
					(LDC 102) Steady State Limits for Voltage [Normal Operation]	•		
					(LDC 103) Voltage Distortion Spectrum [Normal Operation]	•4)		AMP200N1 + CN200N1 required for LDC103 C-K, Filterbox required for LDC103 A+B
					(LDC 104) Total Ripple [Normal Operation]	•		Filterbox required
					(LDC 105) Normal Voltage Transients [Normal Operation]	•		

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
					(LDC 201) Power Interrupt [Transfer Operation]	•		
					(LDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]	•		
					(LDC 302) Abnormal Voltage Transients [Abnomal Operation]	•		
					(LDC 401) Emergency Limits for Voltage [Emercency Operation]	•		
					(LDC 501) Starting Voltage Transients [Starting Operation]	•		
					(LDC 601) Power Failure [Power Failure Operation]	•		
			VDC (High Voltage DC) 270V		(HDC 101) Load Measurements [Normal Operation]	•[5]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
					(HDC 102) Steady State Limits for Voltage [Normal Operation]	•		
					(HDC 103) Voltage Distortion Spectrum [Normal Operation]	•		AMP200N1 + CN200N1 required for HDC103 C-K, Filterbox required for HDC103 A+B
					(HDC 104) Total Ripple [Normal Operation]	•		Filterbox required
					(HDC 105) Normal Voltage Transients [Normal Operation]	•		
					(HDC 201) Power Interrupt [Transfer Operation]	•		
					(HDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]	•		
					(HDC 302) Abnormal Voltage Transients [Abnomal Operation]	•		
					(HDC 401) Emergency Limits for Voltage [Emercency Operation]	•		
					(HDC 501) Starting Voltage Transients [Starting Operation]	•		
					(HDC 601) Power Failure [Power Failure Operation]	•		
	MIL-STD-704C (1977-12)	AC	SAC (Constant Frequency) 115V [400 Hz]		(SAC 101) Load and Current Harmonic Measurements [Normal Operation]	•[5]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
					(SAC 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•		
					(SAC 105) Frequency Modulation [Normal Operation]	•		
					(SAC 106) Voltage Distortion Spectrum [Normal Operation]	•[4]		AMP200N1 + CN200N1 required
					(SAC 107) Total Voltage Distortion [Normal Operation]	•		
					(SAC 108) DC Voltage Component [Normal Operation]	•		
					(SAC 109) Normal Voltage Transients [Normal Operation]	•		
					(SAC 110) Normal Frequency Transients [Normal Operation]	•		
					(SAC 201) Power Interrupt [Transfer Operaion]	•		
					(SAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•		
					(SAC 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
					(SAC 303) Abnomal Frequency Transients [Abnormal Operation]	•		
					(SAC 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•		
					(SAC 601) Power Failure (Single Phase) [Power Failure Operation]	•		
		AC 3 Phase	TAC (Constant Frequency) 115V [400 Hz]		(TAC 101) Load and Current Harmonic Measurements [Normal Operation]	•[1,5]		Option NWBoard 3 Phase and Analyse License required
					(TAC 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•		
					(TAC 103) Voltage Phase Difference [Normal Operation]	•		
					(TAC 104) Voltage Modulation [Normal Operation]	•		
					(TAC 105) Frequency Modulation [Normal Operation]	•		
					(TAC 106) Voltage Distortion Spectrum [Normal Operation]	•[4]		AMP200N1 + CN200N1 required
					(TAC 107) Total Voltage Distortion [Normal Operation]	•		
					(TAC 108) DC Voltage Component [Normal Operation]	•		
					(TAC 109) Normal Voltage Transients [Normal Operation]	•		
					(TAC 110) Normal Frequency Transients [Normal Operation]	•		
					(TAC 201) Power Interrupt [Transfer Operaion]	•		
					(TAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•		
					(TAC 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
					(TAC 303) Abnomal Frequency Transients [Abnormal Operation]	•		
					(TAC 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•		
					(TAC 601) Power Failure (Three Phase) [Power Failure Operation]	•		
					(TAC 602) One and Two Phase Power Failures [Power Failure Operation]	•		
		DC	LDC (Low Voltage DC) 28V		(LDC 101) Load Measurements [Normal Operation]	•[5]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
					(LDC 102) Steady State Limits for Voltage [Normal Operation]	•		
					(LDC 103) Voltage Distortion Spectrum [Normal Operation]	•[4]		AMP200N1 + CN200N1 required for LDC103 C-K, Filterbox required for LDC103 A+B
					(LDC 104) Total Ripple [Normal Operation]	•		Filterbox required
					(LDC 105) Normal Voltage Transients [Normal Operation]	•		
					(LDC 201) Power Interrupt [Transfer Operation]	•		
					(LDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]	•		
					(LDC 302) Abnormal Voltage Transients [Abnomal Operation]	•		
					(LDC 401) Emergency Limits for Voltage [Emercency Operation]	•		
					(LDC 501) Starting Voltage Transients [Starting Operation]	•		
					(LDC 601) Power Failure [Power Failure Operation]	•		
			VDC (High Voltage DC) 270V		(HDC 101) Load Measurements [Normal Operation]	•[5]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
					(HDC 102) Steady State Limits for Voltage [Normal Operation]	•		
					(HDC 103) Voltage Distortion Spectrum [Normal Operation]	•		AMP200N1 + CN200N1 required for HDC103 C-K, Filterbox required for HDC103 A+B
					(HDC 104) Total Ripple [Normal Operation]	•		Filterbox required
					(HDC 105) Normal Voltage Transients [Normal Operation]	•		
					(HDC 201) Power Interrupt [Transfer Operation]	•		
					(HDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]	•		
					(HDC 302) Abnormal Voltage Transients [Abnomal Operation]	•		
					(HDC 401) Emergency Limits for Voltage [Emercency Operation]	•		
					(HDC 501) Starting Voltage Transients [Starting Operation]	•		

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
					(HDC 601) Power Failure [Power Failure Operation]	•		
	MIL-STD-704B (1975-11)	AC	SAC (Constant Frequency) 115V [400 Hz]		(SAC 101) Load and Current Harmonic Measurements [Normal Operation]	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
					(SAC 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•		
					(SAC 105) Frequency Modulation [Normal Operation]	•		
					(SAC 106) Voltage Distortion Spectrum [Normal Operation]	•4)		AMP200N1 + CN200N1 required
					(SAC 107) Total Voltage Distortion [Normal Operation]	•		
					(SAC 108) DC Voltage Component [Normal Operation]	•		
					(SAC 109) Normal Voltage Transients [Normal Operation]	•		
					(SAC 110) Normal Frequency Transients [Normal Operation]	•		
					(SAC 201) Power Interrupt [Transfer Operaion]	•		
					(SAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•		
					(SAC 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
					(SAC 303) Abnomal Frequency Transients [Abnormal Operation]	•		
					(SAC 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•		
					(SAC 601) Power Failure (Single Phase) [Power Failure Operation]	•		
		AC 3 Phase	TAC (Constant Frequency) 115V [400 Hz]		(TAC 101) Load and Current Harmonic Measurements [Normal Operation]	•1,5)		Option NWBoard 3 Phase and Analyse License required
					(TAC 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•		
					(TAC 103) Voltage Phase Difference [Normal Operation]	•		
					(TAC 104) Voltage Modulation [Normal Operation]	•		
					(TAC 105) Frequency Modulation [Normal Operation]	•		
					(TAC 106) Voltage Distortion Spectrum [Normal Operation]	•4)		AMP200N1 + CN200N1 required
					(TAC 107) Total Voltage Distortion [Normal Operation]	•		
					(TAC 108) DC Voltage Component [Normal Operation]	•		
					(TAC 109) Normal Voltage Transients [Normal Operation]	•		
					(TAC 110) Normal Frequency Transients [Normal Operation]	•		
					(TAC 201) Power Interrupt [Transfer Operaion]	•		
					(TAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•		
					(TAC 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
					(TAC 303) Abnomal Frequency Transients [Abnormal Operation]	•		
					(TAC 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•		
					(TAC 601) Power Failure (Three Phase) [Power Failure Operation]	•		
					(TAC 602) One and Two Phase Power Failures [Power Failure Operation]	•		
		DC	LDC (Low Voltage DC) 28V		(LDC 101) Load Measurements [Normal Operation]	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
					(LDC 102) Steady State Limits for Voltage [Normal Operation]	•		
					(LDC 103) Voltage Distortion Spectrum [Normal Operation]	•4)		AMP200N1 + CN200N1 required for LDC103 C-K, Filterbox required for LDC103 A+B
					(LDC 104) Total Ripple [Normal Operation]	•		Filterbox required
					(LDC 105) Normal Voltage Transients [Normal Operation]	•		
					(LDC 201) Power Interrupt [Transfer Operation]	•		
					(LDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]	•		
					(LDC 302) Abnormal Voltage Transients [Abnomal Operation]	•		
					(LDC 401) Emergency Limits for Voltage [Emercency Operation]	•		
					(LDC 501) Starting Voltage Transients [Starting Operation]	•		
					(LDC 601) Power Failure [Power Failure Operation]	•		
			VDC (High Voltage DC) 270V		(HDC 101) Load Measurements [Normal Operation]	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
					(HDC 102) Steady State Limits for Voltage [Normal Operation]	•		
					(HDC 103) Voltage Distortion Spectrum [Normal Operation]	•		AMP200N1 + CN200N1 required for HDC103 C-K, Filterbox required for HDC103 A+B
					(HDC 104) Total Ripple [Normal Operation]	•		Filterbox required
					(HDC 105) Normal Voltage Transients [Normal Operation]	•		
					(HDC 201) Power Interrupt [Transfer Operation]	•		
					(HDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]	•		
					(HDC 302) Abnormal Voltage Transients [Abnomal Operation]	•		
					(HDC 401) Emergency Limits for Voltage [Emercency Operation]	•		
					(HDC 501) Starting Voltage Transients [Starting Operation]	•		
					(HDC 601) Power Failure [Power Failure Operation]	•		
	MIL-STD-704A (1966-08)	AC	SAC (Constant Frequency) 115V [400 Hz]		(SAC 101) Load and Current Harmonic Measurements [Normal Operation]	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
					(SAC 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•		
					(SAC 104) Voltage Modulation [Normal Operation]	•		
					(SAC 105) Frequency Modulation [Normal Operation]	•		
					(SAC 106) Voltage Distortion Spectrum [Normal Operation]	•4)		AMP200N1 + CN200N1 required
					(SAC 107) Total Voltage Distortion [Normal Operation]	•		
					(SAC 108) DC Voltage Component [Normal Operation]	•		
					(SAC 109) Normal Voltage Transients [Normal Operation]	•		
					(SAC 110) Normal Frequency Transients [Normal Operation]	•		
					(SAC 201) Power Interrupt [Transfer Operaion]	•		
					(SAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•		
					(SAC 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
					(SAC 303) Abnomal Frequency Transients [Abnormal Operation]	•		
					(SAC 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•		
					(SAC 601) Power Failure (Single Phase) [Power Failure Operation]	•		

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
		AC 3 Phase	TAC (Constant Frequency) 115V [400 Hz]		(TAC 101) Load and Current Harmonic Measurements [Normal Operation]	•[1,5]		Option NWBoard 3 Phase and Analyse License required
					(TAC 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•[1]		
					(TAC 103) Voltage Phase Difference [Normal Operation]	•[1]		
					(TAC 104) Voltage Modulation [Normal Operation]	•[1]		
					(TAC 105) Frequency Modulation [Normal Operation]	•[1]		
					(TAC 106) Voltage Distortion Spectrum [Normal Operation]	•[4]		AMP200N1 + CN200N1 required
					(TAC 107) Total Voltage Distortion [Normal Operation]	•[1]		
					(TAC 108) DC Voltage Component [Normal Operation]	•[1]		
					(TAC 109) Normal Voltage Transients [Normal Operation]	•[1]		
					(TAC 110) Normal Frequency Transients [Normal Operation]	•[1]		
					(TAC 201) Power Interrupt [Transfer Operaion]	•[1]		
					(TAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•[1]		
					(TAC 302) Abnormal Voltage Transients [Abnormal Operaion]	•[1]		
					(TAC 303) Abnomal Frequency Transients [Abnormal Operation]	•[1]		
					(TAC 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•[1]		
					(TAC 601) Power Failure (Three Phase) [Power Failure Operation]	•[1]		
					(TAC 602) One and Two Phase Power Failures [Power Failure Operation]	•[1]		
		DC	LDC (Low Voltage DC) 28V		(LDC 101) Load Measurements [Normal Operation]	•[5]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
					(LDC 102) Steady State Limits for Voltage [Normal Operation]	•		
					(LDC 103) Voltage Distortion Spectrum [Normal Operation]	•[4]		AMP200N1 + CN200N1 required for LDC103 C-K, Filterbox required for LDC103 A+B
					(LDC 104) Total Ripple [Normal Operation]	•		Filterbox required
					(LDC 105) Normal Voltage Transients [Normal Operation]	•		
					(LDC 201) Power Interrupt [Transfer Operation]	•		
					(LDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]	•		
					(LDC 302) Abnormal Voltage Transients [Abnomal Operation]	•		
					(LDC 401) Emergency Limits for Voltage [Emercency Operation]	•		
					(LDC 501) Starting Voltage Transients [Starting Operation]	•		
					(LDC 601) Power Failure [Power Failure Operation]	•		
	GJB181B (2013)	AC	SAC (Constant Frequency) 115V [400 Hz]		(SAC 101) Load and Current Harmonic Measurements [Normal Operation]	•[5]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
					(SAC 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•		
					(SAC 104) Voltage Modulation [Normal Operation]	•		
					(SAC 105) Frequency Modulation [Normal Operation]	•		
					(SAC 106) Voltage Distortion Spectrum [Normal Operation]	•[4]		AMP200N1 + CN200N1 required
					(SAC 107) Total Voltage Distortion [Normal Operation]	•		
					(SAC 108) DC Voltage Component [Normal Operation]	•		
					(SAC 109) Normal Voltage Transients [Normal Operation]	•		
					(SAC 110) Normal Frequency Transients [Normal Operation]	•		
					(SAC 201) Power Interrupt [Transfer Operaion]	•		
					(SAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•		
					(SAC 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
					(SAC 303) Abnomal Frequency Transients [Abnormal Operation]	•		
					(SAC 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•		
					(SAC 601) Power Failure (Single Phase) [Power Failure Operation]	•		
					(SAC 603) Phase Reversal [Power Failure Operation]	•		
			SVF (Variable Frequency) 115V [360 to 800 Hz]		(SVF 101) Load and Current Harmonic Measurements [Normal Operation]	•[5]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
					(SVF 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•		
					(SVF 104) Voltage Modulation [Normal Operation]	•		
					(SVF 105) Frequency Modulation [Normal Operation]	•		
					(SVF 106) Voltage Distortion Spectrum [Normal Operation]	•[4]		AMP200N1 + CN200N1 required
					(SVF 107) Total Voltage Distortion [Normal Operation]	•		
					(SVF 108) DC Voltage Component [Normal Operation]	•		
					(SVF 109) Normal Voltage Transients [Normal Operation]	•		
					(SVF 110) Normal Frequency Transients [Normal Operation]	•		
					(SVF 201) Power Interrupt [Transfer Operaion]	•		
					(SVF 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•		
					(SVF 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
					(SVF 303) Abnomal Frequency Transients [Abnormal Operation]	•		
					(SVF 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•		
					(SVF 601) Power Failure (Single Phase) [Power Failure Operation]	•		
					(SVF 603) Phase Reversal [Power Failure Operation]	•		
			SXF (Constant Frequency) 115V [60 Hz]		(SXF 101) Load and Current Harmonic Measurements [Normal Operation]	•[5]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
					(SXF 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•		
					(SXF 104) Voltage Modulation [Normal Operation]	•		
					(SXF 105) Frequency Modulation [Normal Operation]	•		
					(SXF 106) Voltage Distortion Spectrum [Normal Operation]	•[4]		AMP200N1 + CN200N1 required
					(SXF 107) Total Voltage Distortion [Normal Operation]	•		
					(SXF 108) DC Voltage Component [Normal Operation]	•		
					(SXF 109) Normal Voltage Transients [Normal Operation]	•		
					(SXF 110) Normal Frequency Transients [Normal Operation]	•		

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
					(SXF 201) Power Interrupt [Transfer Operaion]	•		
					(SXF 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•		
					(SXF 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
					(SXF 303) Abnomal Frequency Transients [Abnormal Operation]	•		
					(SXF 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•		
					(SXF 601) Power Failure (Single Phase) [Power Failure Operation]	•		
					(SXF 603) Phase Reversal [Power Failure Operation]	•		
		AC 3 Phase	TAC (Constant Frequency) 115V [400 Hz]		(TAC 101) Load and Current Harmonic Measurements [Normal Operation]	•[1,5]		Option NWBoard 3 Phase and Analyse License required
					(TAC 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•		
					(TAC 103) Voltage Phase Difference [Normal Operation]	•		
					(TAC 104) Voltage Modulation [Normal Operation]	•		
					(TAC 105) Frequency Modulation [Normal Operation]	•		
					(TAC 106) Voltage Distortion Spectrum [Normal Operation]	•[4]		AMP200N1 + CN200N1 required
					(TAC 107) Total Voltage Distortion [Normal Operation]	•		
					(TAC 108) DC Voltage Component [Normal Operation]	•		
					(TAC 109) Normal Voltage Transients [Normal Operation]	•		
					(TAC 110) Normal Frequency Transients [Normal Operation]	•		
					(TAC 201) Power Interrupt [Transfer Operaion]	•		
					(TAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•		
					(TAC 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
					(TAC 303) Abnomal Frequency Transients [Abnormal Operation]	•		
					(TAC 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•		
					(TAC 601) Power Failure (Three Phase) [Power Failure Operation]	•		
					(TAC 602) One and Two Phase Power Failurer [Power Failure Operation]	•		
					(TAC 603) Phase Reversal [Power Failure Operation]	•		
			TVF (Variable Frequency) 115V [360 to 800 Hz]		(TVF 101) Load and Current Harmonic Measurements [Normal Operation]	•[1,5]		Option NWBoard 3 Phase and Analyse License required
					(TVF 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•		
					(TVF 103) Voltage Phase Difference [Normal Operation]	•		
					(TVF 104) Voltage Modulation [Normal Operation]	•		
					(TVF 105) Frequency Modulation [Normal Operation]	•		
					(TVF 106) Voltage Distortion Spectrum [Normal Operation]	•[4]		AMP200N1 + CN200N1 required
					(TVF 107) Total Voltage Distortion [Normal Operation]	•		
					(TVF 108) DC Voltage Component [Normal Operation]	•		
					(TVF 109) Normal Voltage Transients [Normal Operation]	•		
					(TVF 110) Normal Frequency Transients [Normal Operation]	•		
					(TVF 201) Power Interrupt [Transfer Operaion]	•		
					(TVF 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•		
					(TVF 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
					(TVF 303) Abnomal Frequency Transients [Abnormal Operation]	•		
					(TVF 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•		
					(TVF 601) Power Failure (Three Phase) [Power Failure Operation]	•		
					(TVF 602) One and Two Phase Power Failures [Power Failure Operation]	•		
					(TVF 603) Phase Reversal [Power Failure Operation]	•		
		DC	LDC (Low Voltage DC) 28V		(LDC 101) Load Measurements [Normal Operation]	•[5]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
					(LDC 102) Steady State Limits for Voltage [Normal Operation]	•		
					(LDC 103) Voltage Distortion Spectrum [Normal Operation]	•[4]		AMP200N1 + CN200N1 required for LDC103 C-K, Filterbox required for LDC103 A+B
					(LDC 104) Total Ripple [Normal Operation]	•		Filterbox required
					(LDC 105) Normal Voltage Transients [Normal Operation]	•		
					(LDC 201) Power Interrupt [Transfer Operation]	•		
					(LDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]	•		
					(LDC 302) Abnormal Voltage Transients [Abnomal Operation]	•		
					(LDC 401) Emergency Limits for Voltage [Emercency Operation]	•		
					(LDC 501) Starting Voltage Transients [Starting Operation]	•		
					(LDC 601) Power Failure [Power Failure Operation]	•		
					(LDC 602) Polarity Reversal [Power Failure Operation]	•		
			HDC (High Voltage DC) 270V		(HDC 101) Load Measurements [Normal Operation]	•[5]		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
					(HDC 102) Steady State Limits for Voltage [Normal Operation]	•		
					(HDC 103) Voltage Distortion Spectrum [Normal Operation]	•		AMP200N1 + CN200N1 required for HDC103 C-K, Filterbox required for HDC103 A+B
					(HDC 104) Total Ripple [Normal Operation]	•		Filterbox required
					(HDC 105) Normal Voltage Transients [Normal Operation]	•		
					(HDC 201) Power Interrupt [Transfer Operation]	•		
					(HDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]	•		
					(HDC 302) Abnormal Voltage Transients [Abnomal Operation]	•		
					(HDC 401) Emergency Limits for Voltage [Emercency Operation]	•		
					(HDC 501) Starting Voltage Transients [Starting Operation]	•		
					(HDC 601) Power Failure [Power Failure Operation]	•		
					(HDC 602) Polarity Reversal [Power Failure Operation]	•		
	DS 59-411 P3 (2007-01)			9.18	DRS01, Radiated Susceptibility Magnetic (H) Field 20 Hz – 100 kHz		•	CWS500N3

1) Net Wave 3 Phase required 2) NetWave with 360Vrms AC required 3) full-wave bridge required 4) AMP200N / N1 needed 5) NW Board required

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
	VG 95373-24 (2008-11)			5.5	LF 07 G, Limits for conducted susceptibility 10 kHz to 400 MHz		•	CWS500N2
Automotive	PSA B21 7110 Revision D (2012-07)	DC	HDC (High Voltage DC) 240 V Voltage Class 1	7.2.2	HV 01 : Usual and operating voltage			Manually (NetWave as Source)
				7.2.3	HV 02 : Increase and decrease of supply voltage	•		
				7.2.4	HV 03 : Ripple on power supply			Frequency higher than 5kHz requested
				7.2.5	HV 04 : Transient overvoltage	•		
				7.2.6	HV 05 : Transient undervoltage	•		
				7.2.7	HV 06 : Resistance to load dump pulses	•		
				7.2.8	HV 07 : Cranking pulse	•		
				7.2.9	HV 08 : Very brief voltage dip	•		
			HDC (High Voltage DC) 300 V Voltage Class 2	7.2.2	HV 01 : Usual and operating voltage			Manually (NetWave as Source)
				7.2.3	HV 02 : Increase and decrease of supply voltage	•		
				7.2.4	HV 03 : Ripple on power supply			Frequency higher than 5kHz requested
				7.2.5	HV 04 : Transient overvoltage	•		
				7.2.6	HV 05 : Transient undervoltage	•		
				7.2.7	HV 06 : Resistance to load dump pulses	•		
				7.2.8	HV 07 : Cranking pulse	•		
				7.2.9	HV 08 : Very brief voltage dip	•		
			HDC (High Voltage DC) 330 V Voltage Class 3	7.2.2	HV 01 : Usual and operating voltage			Manually (NetWave as Source)
				7.2.3	HV 02 : Increase and decrease of supply voltage	•		
				7.2.4	HV 03 : Ripple on power supply			Frequency higher than 5kHz requested
				7.2.5	HV 04 : Transient overvoltage	•		
				7.2.6	HV 05 : Transient undervoltage	•		
				7.2.7	HV 06 : Resistance to load dump pulses	•		
				7.2.8	HV 07 : Cranking pulse	•		
				7.2.9	HV 08 : Very brief voltage dip	•		
			HDC (High Voltage DC) 360 V Voltage Class 4	7.2.2	HV 01 : Usual and operating voltage			Manually (NetWave as Source)
				7.2.3	HV 02 : Increase and decrease of supply voltage	•		
				7.2.4	HV 03 : Ripple on power supply			Frequency higher than 5kHz requested
				7.2.5	HV 04 : Transient overvoltage	•		
				7.2.6	HV 05 : Transient undervoltage	•		
				7.2.7	HV 06 : Resistance to load dump pulses	•		
				7.2.8	HV 07 : Cranking pulse	•		
				7.2.9	HV 08 : Very brief voltage dip	•		
			HDC (High Voltage DC) 390 V Voltage Class 5	7.2.2	HV 01 : Usual and operating voltage			Manually (NetWave as Source)
				7.2.3	HV 02 : Increase and decrease of supply voltage	•		
				7.2.4	HV 03 : Ripple on power supply			Frequency higher than 5kHz requested
				7.2.5	HV 04 : Transient overvoltage	•		
				7.2.6	HV 05 : Transient undervoltage	•		
				7.2.7	HV 06 : Resistance to load dump pulses	•		
				7.2.8	HV 07 : Cranking pulse	•		
				7.2.9	HV 08 : Very brief voltage dip	•		