
 California ISO Your Link to Power	OPERATING PROCEDURE ATTACHMENT B	Procedure No.	T-103B
		Version No.	6.8
		Effective Date	11/07/07
SCIT Nomogram Axis and Reduction Tables		Distribution Restriction: NONE	

		Existing Nomogram Axis Reductions ^{1,7}		VAR Margin Limit Derates		
		EOR	SCIT	EOR	SCIT ⁸ (Summer/Spring/Winter)	Path ²
Components Initially Out of Service						
Midway-Vincent Lines						
	Midway-Vincent 500 KV 1, 2 or 3	10	200		0 / 0 / 0	0 ³
Pacific DC Intertie:						
	Monopole	0	0		650 / 150 / 250	1550
	Bipole	0	0		1050 / 300 / 500	3100
IPP DC Line:						
	Monopole	0	0		100 / 0 / 0	720
	Bipole	10	0		500 / 0 / 0	1920
North of Lugo Path:						
	Kramer-Lugo 230 KV 1 or 2	10	210		0 / 0 / 0	300
	Victor-Lugo 230 KV 1 or 2	40	-50		0 / 0 / 0	300
Northern WOR System:						
	Mohave-Lugo 500 KV	110	840		300 / 0 / 0	1102
	Eldorado-Lugo 500 KV	140	430		200 / 0 / 0	1102
	McCullough-Victorville 500 KV 1 or 2	150	200		0 / 0 / 0	1121
	Marketplace-Adelanto 500 KV	190	160		0 / 0 / 0	1291
	Mead-Victorville 287 KV	10	200		0 / 0 / 0	350
	Eldorado-Pisgah 230 KV 1 or 2	10	100		0 / 0 / 0	200
	Pisgah – Lugo 230 KV 1 or 2	10	100		0 / 0 / 0	200
	Julian Hinds-Mirage 230 KV	0	100		0 / 0 / 0	150
Southern WOR System:						
	Ramon-Mirage 230 KV	10	20		0 / 0 / 0	300
	Devers-Coachella 230 KV	0	20		0 / 0 / 0	300
	N. Gila - Imperial Valley 500 KV	1400	420		1150 / 500 / 900	1320 ⁴
	Palo Verde - Devers 500 KV	2170	-60		650 / 600 / 900	1760 ⁴
	ElCentro-Imperial Valley 230 KV	40	-50		0 / 0 / 0	150
Other Lines or Equipment:						
	Hassayampa - N. Gila 500 KV	1720	270		1300 / 500 / 900	1460 ⁴
	Imperial Valley - Miguel 500 KV	1180	210		1400 / 500 / 900	1018 ⁴
	Devers - Valley 500 KV	710	-50		200 / 0 / 600	450 ⁴
	Marketplace - McCullough 500 KV	0	0		0 / 0 / 0	-
	Mead - Marketplace 500 KV	30	-30		0 / 0 / 0	-
	Moenkopi - Eldorado 500kV	0	1500		0 / 0 / 0	1750 ⁴
	Navajo – Crystal 500kV	0	2050		0 / 0 / 0	1735 ⁴
	Crystal – McCullough 500 kV				0 / 0 / 0	1735 ⁴
	Adelanto-Toluca 500kV	90	390		0 / 0 / 0	-
	Adelanto-Rinaldi 500kV	90	390		0 / 0 / 0	-
	Adelanto-Victorville 500kV	90	30		0 / 0 / 0	-
	Victorville-Rinaldi 500kV	80	400		0 / 0 / 0	-
	Victorville-Lugo 500kV	250	60		250 / 0 / 0	-

 California ISO Your Link to Power	OPERATING PROCEDURE ATTACHMENT B	Procedure No.	T-103B
		Version No.	6.8
		Effective Date	11/07/07
SCIT Nomogram Axis and Reduction Tables		Distribution Restriction: NONE	

		Existing Nomogram Axis Reductions ^{1,7}		VAR Margin Limit Derates	
Series Capacitors:					
	California Series Cap @ Devers	200	510	0 / 0 / 0	156 ⁵
	Arizona Series Cap @ Palo Verde	230	280	0 / 0 / 0	104 ⁵
	Hassayampa-N. Gila Series Cap	-70	320	0 / 0 / 0	150 ⁵
	N. Gila - Imperial Valley Series Cap	0	0	0 / 0 / 0	50 ⁵
	Imperial Valley - Miguel Series Cap	-50	0	0 / 0 / 0	50 ⁵
	Eldorado-Lugo Series Cap	10	340	0 / 0 / 0	30 ⁶
	Mohave-Lugo Series Cap	-20	330	0 / 0 / 0	30 ⁶
	McCullough-Victorville 1 or 2 Series Cap	-20	330	0 / 0 / 0	30 ⁶
	Adelanto-Marketplace Series Cap	10	200	0 / 0 / 0	-
	Crystal – McCullough Series Cap	0	0	0 / 0 / 0	-
	Midway-Vincent 1, 2 or 3 Cap @ Vincent	0	0	0 / 0 / 0	0 ³
	Midway-Vincent 1, 2 or 3 Cap @ Midway	0	0	0 / 0 / 0	0 ³
SVC:					
	Marketplace SVC	10	560	0 / 0 / 0	-
	Adelanto SVC	10	560	0 / 0 / 0	-
	Talega SVC	0	0	400 / 0 / 0	-
	Devers MSC	0	0	100 / 0 / 0	-
	Devers SVC	0	0	200 / 100 / 100	-
	Devers SVC + MSC	0	0	300 / 150 / 150	-

1	SCIT Nomogram limits will be reduced by the value shown. (Rounded off to the nearest 10).		
2	The respective path/intertie/system/line rating will be reduced by the value shown.		
3	The path rating is unaffected by the outage of a single Midway-Vincent line/component because the rating is based on a 2 line system		
4	The path rating is reduced by the values shown based on studies done by the WATS group (EOR at 7550MW).		
5	The EOR path rating is reduced by the values shown based on the Arizona Security Monitoring Manual		
6	The path rating is reduced by the value shown based on SCE provided values.		
7	A negative reduction indicates an increase along that axis of the Nomogram		
8	The SCIT VAR Margin Limit Derates are set to zero if one SONG unit is off line.		