

High Voltage Designated Personnel and Equipment - Reference TRIUMF Safety Note TSN-5.11.1

Updated June 28, 2010

Unrestricted Site High Voltage Designated Persons						
DIVISION	NAME					
Accelerator	M. McDonald					
	R. Laplante					
	R. Dube					
	D. Louie					
	R. Ruegg					
	I. Bylinski					
	V. Verzilov					
	W. Rawnsley					
Engineering	F. Mammarella					
	D. Dale					
	B. Roberts					
	D. Bishop					
Technology Transfer	G. Cojocar					

High Voltage Designated Persons by System						
DIVISION	SECTION/GROUP	LOCATION	SYSTEM NAME	OWNER	DESIGNATED HV PERSON(S)	WORK PERMIT REQUIRED
Accelerator	ISIS	ISIS floor	Ion Sources #1 #2 #3	R. Ruegg	R. Ruegg, R. Laplante, R. Dube	Yes
Accelerator	ISIS	ISIS floor to cyclotron vault	Injection B/L	R. Ruegg	R. Ruegg, R. Laplante, R. Dube	Yes
Accelerator	ISIS	CRM Laboratory	CRM Test Stands	R. Ruegg	R. Ruegg, R. Laplante, R. Dube	No
Accelerator	ISIS	Portable	Test HV PS	R. Ruegg	R. Ruegg, R. Laplante, R. Dube	No
Accelerator	ISIS	Portable	Megger	R. Ruegg	R. Ruegg, R. Laplante, R. Dube	No
Accelerator	ISIS	Cyclotron B2 level	Correction plates PS's	R. Ruegg	R. Ruegg, R. Laplante, R. Dube	Yes
Accelerator	RF	RF Room	Main RF HVPS	S. Calic	S. Calic, N. Jakovljevic	Yes
Accelerator	RF	RF room	Main RF PA1 to PA4	S. Calic	S. Calic, N. Jakovljevic	Yes
Accelerator	RF	RF room	Main RF IPA and HVPS	S. Calic	S. Calic, N. Jakovljevic	Yes
Accelerator	RF	RF room	RF Booster PA and HVPS	S. Calic	S. Calic, N. Jakovljevic	Yes
Accelerator	RF	RF room	RF Booster IPA and HVPS	S. Calic	S. Calic, N. Jakovljevic	Yes
Accelerator	RF	RF room/mobile	Hi-Pot Tester #1 (60 kV)	S. Calic	S. Calic, N. Jakovljevic, R. Shanks, J. Lu	No
Accelerator	RF	RF room/mobile	Hi-Pot Tester #2 (35 kV)	S. Calic	S. Calic, N. Jakovljevic, R. Shanks, J. Lu	No
Accelerator	RF	ISAC-II RF lab/portable	Hi-Pot Tester #3 (5 kV)	J. Lu	S. Calic, N. Jakovljevic, R. Shanks, J. Lu	No
Accelerator	RF	Cyc. Roof	Spare HVPS (12.5 kV)	J. Lu	R. Shanks, J. Lu	No

DIVISION	SECTION/GROUP	LOCATION	SYSTEM NAME	OWNER	DESIGNATED HV PERSON(S)	WORK PERMIT REQUIRED
Accelerator	Vacuum	Various	Vacuum Ion Gauges	I. Sekatchev	D. Yosivov	Yes for beam operations
Accelerator	Vacuum	264 Level, ISAC-I Experimental Hall	RGA's	I. Sekatchev	D. Yosivov	No
Accelerator	Power Supplies	Site Wide	Power Supplies >750V	D. Louie	D. Louie, C. Yee	Yes for beam operations
Accelerator	ISAC	Target Hall	ITW HV Cage PS	R. Ruegg	R. Ruegg, R. Laplante, R. Dube	Yes
Accelerator	ISAC	Target Hall	ITE HV Cage PS	R. Ruegg	R. Ruegg, R. Laplante, R. Dube	Yes
Accelerator	ISAC	ISAC-1 Basement	LEBT Beamline from Preseparator	R. Ruegg	R. Ruegg, R. Laplante, R. Dube	Yes
Accelerator	ISAC	ISAC-1 Building	LEBT Experimental Beamlines	R. Ruegg	R. Ruegg, R. Laplante, R. Dube	Yes
Accelerator	ISAC	ISAC-1 Building	OLIS	K. Jayamanna	R. Ruegg, R. Laplante, R. Dube	Yes
Accelerator	RF	ISAC-1 Building	RFQ PA and HVPS	Z. Ang	Z. Ang, J. Lu	Yes
Accelerator	RF	ISAC-1 Building	MEBT Bunch Rotator PA	Z. Ang	Z. Ang, J. Lu	Yes
Accelerator	RF	ISAC-1 Building	DTL Tanks #1-#5 PA's	Z. Ang	Z. Ang, J. Lu	Yes
Accelerator	RF	ISAC-1 Building	DTL Bunchers #1-#3 PA's	Z. Ang	Z. Ang, J. Lu	Yes
Accelerator	RF	ISAC-1 Building	High Beta Buncher PA	Z. Ang	Z. Ang, J. Lu	Yes
Accelerator	RF	ISAC-1 Building	DSB Buncher PA	Z. Ang	Z. Ang, J. Lu	Yes
Accelerator	RF	ISAC-2 PS room	Medium Beta RF PA's	V. Zvyagintsev	A. Mitra, R. Shanks, J. Lu	Yes
Accelerator	ISAC	Proton Hall Annex	ISAC Test Stand	F. Ames	R. Ruegg, R. Laplante, R. Dube	No
Accelerator	ISAC	Mass Seperator Room	ISAC CSB	F. Ames	R. Ruegg, R. Laplante, R. Dube	Yes
Accelerator	ISAC	ISAC Room 103	ISAC Conditioning Box	P. Bricault	R. Ruegg, R. Laplante, R. Dube	No
Accelerator	Operations	Portable	Megger	J. Cessford	Personnel trained in use	Yes
Accelerator	Operations	Meson Hall	TR13 Cyclotron	C. Hoehr	R. Ruegg, R. Laplante, R. Dube	Yes
Accelerator	Diagnostics	Various locations at ISAC	FTM, CEM and SCD monitors	V. Verzilov	V. Verzilov W. Rawnsley	Yes
Accelerator	Diagnostics	Room #208 Proton hall extension	Monitor development	V. Verzilov	V. Verzilov W. Rawnsley	No
Accelerator	Diagnostics	BL1A	Cherenkov monitors	W. Rawnsley	W. Rawnsley, V. Verzilov	Yes
Accelerator	Diagnostics	BL4V	Channel Plate	W. Rawnsley	W. Rawnsley, V. Verzilov	Yes
Accelerator	Diagnostics	BL4	Total SEM Ion Pump	W. Rawnsley	W. Rawnsley, V. Verzilov	Yes
Accelerator	Diagnostics	ISAC -1	MEBT Waste Beam Monitor	W. Rawnsley	W. Rawnsley, V. Verzilov	Yes

DIVISION	SECTION/GROUP	LOCATION	SYSTEM NAME	OWNER	DESIGNATED HV PERSON(S)	WORK PERMIT REQUIRED
Engineering	Electrical	Site wide	HV Transformers and Switchgear 12 kV	F. Mammarella	R. Boehm, External Contractor Class A.	Yes
Engineering	Electrical	Site wide	AC Distribution System	F. Mammarella	R. Boehm, External Contractor Class A.	Yes for beam operations
Engineering	Electronics	Site wide	HV Power supply development	D. Dale	D. Dale, B. Roberts, D. Bishop, D. Morris	No
Engineering	Electronics	ISAC	Dragon 300 kV system	C. Ruiz	D. Dale, B. Roberts, D. Bishop	No
Engineering	Electronics	ISIS/ISAC	Kicker pulser installations	D. Dale	D. Dale, B. Roberts, D. Bishop	Yes for beam operations
Engineering	Electronics	Site wide	HV PS repairs, CRT Monitors	Owner	N. Shibaoka	No
Engineering	Mechanical	Machine Shop	Electron Beam Welder	I. Yhap	N. Shibaoka	No
Engineering	Kicker	Kicker Test Area	HV test equipment	G. Morris	G. Morris	No
Engineering	Magnet	Portable	Megger	D. Evans	Anyone trained in use	No
Science	Experimental Program	Meson Hall	MSR Beamlines	S. Kreitzman	S. Kreitzman	Yes
Science	Experimental Program	Meson Hall	MSR Equipment	S. Kreitzman	S. Kreitzman, B. Hitti, D. Morris	No
Science	Experimental Program	Meson Hall	Pienu detector (M13 beamline ext.)	T. Numao	T. Numao, G. Marshall	No
Science	Experimental Program	ISAC	BetaNMR/NQR Equipment	G. Morris	G. Morris, D. Dale	No
Science	Experimental Program	ISAC	TITAN HV Equipment	J. Dilling	J. Dilling, P. Delheij, D. Dale	No
Science	Experimental Program	ISAC	Dragon detector	C. Ruiz	P. Machule	No
Science	Experimental Program	ISAC II Exp. Hall	TIGRESS detector	G. Hackman	G. Hackman, A. Garnsworthy, R. Churchman	No
Science	Experimental Program	ISAC	GPS 8 pi	G. Ball A. Garnsworthy		No
Science	Experimental Program	ISAC	TUDA	L. Buchmann	P. Machule	No
Science	Experimental Program	ISAC II Exp. Hall	EMMA	B. Davids	B. Davids	No
Science	Experimental Program	ISAC II Exp. Hall	TACTIC	L. Buchmann	P. Machule	No
Science	Experimental Program	ISAC	TRINAT	J. Behr	J. Behr	No
Science	Experimental Program	ISAC	Radon EDM	Matt Pearson	Matt Pearson	No
Science	Experimental Program	Detector Facility	T2K and other developments	A. Miller	A. Miller, R. Henderson, G. Sheffer	No
Science	Experimental Program	CRM	Liquid Xenon	A. Miller	A. Miller	No
Science	Experimental Program	MHESA basement	Research / Development	K. Buckley	K. Buckley	No

DIVISION	SECTION/GROUP	LOCATION	SYSTEM NAME	OWNER	DESIGNATED HV PERSON(S)	WORK PERMIT REQUIRED
Technology Transfer Group	MDS Nordion	Chem Annex	CP42	S. Zeisler	G. Cojocaru, J. Lofvendahl, D. Vachnon, B. Sidhu, R. van den Elzen	Yes
Technology Transfer Group	MDS Nordion	Chem Annex	TR30-1	S. Zeisler		Yes
Technology Transfer Group	MDS Nordion	Chem Annex	TR30-2	S. Zeisler		Yes
Administration	Safety	Site wide	Assay Lab HV PS	J. Mildenerger	T. Moskven	No
Administration	Safety	Site wide	Radiation Monitoring System HV PS	J. Drozdoff	T. Moskven, J. Drozdoff	Yes
AAPS		Proton Hall Annex	MoRe Ion Source Test Facility	P. Schmor	K. Ladouceur, P. Machule	No