

## Job Risk Assessment

<b>Name(s) of Risk Team Members:</b> P. Cirnigliaro, Y. Makdisi	<b>Point Value → Parameter ↓</b>	1	2	3	4	5
<b>Job Title:</b> Electrical Work > 600V  <b>Job Number or Job Identifier:</b> JRA 5-08	<b>Frequency (B)</b>	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
<b>Job Description:</b> RPC HV and LV testing of RPC detectors.	<b>Severity (C)</b>	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
<b>Training Procedures List (Optional):</b>	<b>Likelihood (D)</b>	Very Unlikely	Unlikely	Possible	Probable	Multiple
<b>Approved by:</b> E. Lessard <b>Date:</b> 5-7-08 <b>Rev. #:</b> 0		<b>Reason for Revision (if applicable):</b>			<b>Comments:</b>	
<b>Stressors (if applicable, please list all)</b>						

Activity	Hazard	Control(s)	Before Additional Controls					Control(s) Added to Reduce Risk	After Additional Controls					% Risk Reduction	
			Stressor	# of People A	Frequency B	Severity C	Likelihood D		Risk* AxBxCxD	Stressors	# of People A	Frequency B	Severity C		Likelihood D
Use of Caen SY 1527LC Main Frame	100/230 V Shock hazard	NRTL approved device, proper wiring and grounding, device, operating procedures.	N	1	4	3	2	24							
Use of Caen A1526 High Voltage channel/board	1100 V Shock hazard	NRTL approved device, proper wiring and grounding, device operating procedures, amperage and voltage limiting design.	N	1	4	3	2	24							

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Manipulation of High Voltage cables. Check HV input is connected to HV power supply.	Shock	Use of procedures, PPE, training, work planning, approved HV connectors, adequate lighting.	N	1	4	3	2	24										
Manipulation of High Voltage cables. Check gap HV input is connected to CPE cable.	Shock	Use of procedures, PPE, training, work planning, approved HV connectors, adequate lighting.	N	1	4	3	2	24										
Operation of High Voltage electronics racks.	Fire	Use of procedures, training, work planning, approved HV connectors, adequate lighting, continual monitoring, cooling fans, fusing, minimize fire loading in local area, fire detection devices, daily inspection checks of system.	N	1	4	3	1	12										
Operation of High Voltage electronics racks.	shock	Use of procedures, training, work planning, approve HV connectors, key-lock interlock devices, continual monitoring, warning signs and lights.	N	1	4	3	1	12										
<b>*Risk:</b>	<b>0 to 20</b>	<b>21 to 40</b>	<b>41-60</b>		<b>61 to 80</b>		<b>81 or greater</b>											
	<b>Negligible</b>	<b>Acceptable</b>	<b>Moderate</b>		<b>Substantial</b>		<b>Intolerable</b>											
Further Description of Controls added to Reduce Risk: Standard Operating Procedures used to operate High Voltage system, PHENIX Procedure No. PP-2.5.2.15-02 RPC HV and LV OPS in the RPC Factory.																		