

NSLS OHSAS Job Risk Assessment

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Name(s) of Risk Team Members: A. Boerner, A. Borrelli, G. Ramirez, T. Seda	Point Value → Parameter ↓	1	2	3	4	5
Job Title: General Instrumentation/Test Equipment	Frequency (B)	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
Job Number or Job Identifier: LS-JRA-0015	Severity (C)	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
Job Description: Use of oscilloscopes, DVM, power spectrum analyzers, meters, frequency analyzers and other diagnostic test equipment.	Likelihood (D)	Extremely Unlikely <<1x/20yrs	Unlikely 1x/10-20yrs	Possible >1x/10-20yrs	Probable 1x/yr	Multiple >1x/yr
Training and Procedure List (Optional):						
Approved by: A. Ackerman Date: 6/17/2008 Rev. # 2 Revision Log	Stressors (if applicable, please list all): N/A				Reason for Revision (if applicable):	
						Comments:

Job Step / Task	Hazard	Before Controls						Initial Controls	After Initial Controls					Control(s) Added to Reduce Risk	After Additional Controls					
		Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD		# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD		# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
Reading of diagnostic instrument displays	Eyestrain/fatigue	N	1	5	2	2	20	Glare reducing monitor covers, ergonomic review, adequate area illumination, equipment maintenance	1	5	1	1	5							

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Energizing diagnostic equipment.	Electrical shock.	N	1	3	4	2	24	Listed or approved power strips, properly grounded equipment, Listed or approved diagnostic equipment, Tier 1 inspections, proper equipment maintenance, training	1	3	4	1	12							
Manipulation of equipment, cables, and probes <=50v		N	1	5	2	2	20		1	5	2	1	10							
Walking on level surfaces and up/down stairs	See LS-JRA-0038 "Walking"																			
Use of non-powered hand tools for adjustment purposes	See LS-JRA-0014 "Hand Tool Use"																			
	Electrical shock	N	1	4	4	2	32	Properly grounded equipment, proper equipment maintenance, training, insulated tools as required	1	4	3	1	12							
Manual lifting – material handling	See LS-JRA-0018 "Manual Material Handling"																			
Use of meters and probes for electrical testing >=50v and <=240v	See LS-JRA-0003 "Troubleshooting energized electrical equipment in the following range >=50v and <=240v"																			

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Use of Hi-pot for di-electric break down tests	Electrical Shock	N	2	2	4	3	48	Procedures, barriers, PPE, equipment inspection, equipment maintenance	2	2	4	2	32							
	Electrocution	N	2	2	5	3	60		2	2	5	2	40							
Further Description of Controls Added to Reduce Risk:																				
*Risk:	0 to 20 Negligible	21 to 40 Acceptable					41 to 60 Moderate					61 to 80 Substantial					81 or greater Intolerable			