

<u>SNS JOB HAZARD ANALYSIS</u>		Job: RATS Bldg. Controls Fabrication Shop Routine Tasks	Date: 10/24/2002	<input type="checkbox"/> NEW <input checked="" type="checkbox"/> REVISED
		JSA NO ICS-0002 Rev. 0		
		Title of person who does job: Engineer & Technicians	Supervisor D. Gurd	Analysis by: P. Wright, C. Sibley, W. DeVan
		Approved by: D. Gurd		
SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	RECOMMENDED ACTION OR PROCEDURE		
Fabrication and testing of electrical circuits	Voltages greater than 50 volts represent a shock or electrocution hazard	Do not perform work on or near exposed, energized electrical circuits over 50 volts under this JHA. All fabrication and testing on circuits over 50 volts shall take place when the circuit/components are de-energized.		
Chemical Solvents	Hazardous waste	Only water-soluble resins should be used. Chemical solvents are not approved for use in this area.		
Soldering	Resin core can splatter resulting in injury to eye Soldering iron can cause burns	Wear safety glasses while working with a soldering iron. Use of proper soldering equipment is required. Use the soldering iron holder. See general good practices section.		
Drilling	Chips from drill bit could strike eye	Wear safety glasses during all drilling operations. See general good practice section.		

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	RECOMMENDED ACTION OR PROCEDURE
Sawing, hammering; clipping wires, wire-ties, etc.	Fragments could strike eye	Wear safety glasses during the following operations: <ul style="list-style-type: none"> • Sawing • Hammering • Cutting operations with wire cutters or similar tools
Lifting or moving heavy equipment	Muscle strain, back injury	Get assistance when lifting heavy items. Use good posture when lifting. Use pallet jack or hand truck to move heavy items. If vision is blocked while moving large items, get assistance to direct the movement and keep other persons clear.
Terminating fiber optic cables	Glass fiber could pierce skin or damage cornea.	Wear safety glasses when terminating fiber optic cables. Exercise good housekeeping with glass fiber pieces: <ul style="list-style-type: none"> • Do not let pieces of fiber stick to your clothing or drop to the floor where they can cause injury later. • Use tweezers or tape to pick up cut or broken pieces of the glass fibers. • Deposit scrap pieces of fiber on a loop of tape kept on hand for that purpose alone. • Prior to disposing of scrap glass fibers, completely encase the fiber pieces in tape. Make sure no fiber pieces are exposed.
Testing fiber optic cables	No hazard identified.	The Noyes SMLP 5-5 fiber optic power and loss test equipment uses a class 1 laser. While the power of this laser is low enough that it poses no hazard, it is good practice to avoid looking directly at the outputs of any optical fibers or optical sources.
		General good shop practices: <ul style="list-style-type: none"> • Ensure that co-workers read and following the recommendations of this JHA when working in the controls shop. • When possible, perform fabrication/testing activities covered under this JHA at a workbench • When performing operations that require safety glasses, make sure that observers either wear safety glasses or are well clear of the work area

**RATS Bldg.
Controls Fabrication Shop
Routine Tasks**

JOB HAZARD ANALYSIS

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**YOU MUST READ AND
SIGN OFF ON THIS
DOCUMENT BEFORE
PERFORMING TASKS IN
THIS AREA**