

CQT/RA/005/V1

Activity-Based Risk Assessment Form

Name of Department Center for Quantum Technologies **Location of Lab** S15-01
Name of Laboratory Center for Quantum Technologies Workshop **Name of PI** All PI's involved with CQT labs
Name of Researcher/LO All personnel involved with labwork **Name of Activity** Handling of Compressed Gas Cylinders

1. Hazard Identification				2. Assess the Risk			3. Risk Control			
No	Description of Activity	Hazards and Possible accident / Ill-health	Persons-at-Risk	Existing Risk Control (Mitigation)	Severity	Likelihood (Probability)	Risk Level	Additional Risk Control	Person Responsible	By (Date)
1	Handling of Compressed Gas Cylinders	Physical danger from sudden, out-of-control release of gas from cylinder along with the potential creation of a hazardous atmosphere. Possible chemical burns in the case of corrosive gases. Fire hazard, explosion in the case of flammable gases, and asphyxiation in the case of inert gases.	Person at risk is the person handling the compressed gas cylinder, and any other people in the same enclosed area.	Engineering Control: Compressed Gas Cylinders are properly secured when in use. Administrative Control: Acknowledgement and conformance to control measures presented in the Standard Operating Procedures for the Handling of Compressed Gas Cylinders.	2	1	2	No additional risk control required.		
2	Changing Compressed Gas Cylinders	Pressurised gas cylinders are very heavy - up to 80 kilos- and unstable objects and as such can present considerable danger to those handling them.	Person at risk is the person handling the compressed gas cylinder, and any other people in the same enclosed area.	P.P.E.: Suitable closed-toe shoes to prevent crushing when moving cylinders.	2	1	2	If a cylinder falls over, no one should EVER attempt to catch it. It is much too heavy and will cause serious injury. It is also very robust and is unlikely to be damaged although it may make a loud noise. Competent help should be called to assist in setting it upright.		
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Conducted By Safety CommitteeCenter for Quantum Technologies

Approved By

Name _____

Signature _____

Approval date _____

Next Revision date _____
(Maximum 3 years)