

Activity Based Risk Assessment

Table 3: Activity Based Risk Assessment of Testing

Activity	Risk	Type	Severity	Mitigation
Starting the testing procedure	Electrical shock	P	3	Ensure that all equipment is in good order Ensure that insulation on wires are secure
Running the motor	Misalignment of shafts causing damage	E	4	Ensure that all alignment is correct before testing. Ensure Emergency stop is implemented and within reach
	Electrical shock	P	2	Ensure that all motor wires are insulated and secured
	Pinching or cutting	P	4	Stay clear of rotating components. Ensure that all rotating components are covered. Ensure that area around rig is clear before testing
Collecting test data	Electrical shorts / Over-voltage	E	2	Ensure compatibility between testing equipment and data acquisition devices
	Data loss	E	2	Regular saving and backing up of data on computer and server/cloud
Storing test rig	Theft	E	3	Ensure that all valuable equipment is stored away