

ESTATES OFFICE RISK ASSESSMENT REVISION TABLE

Revision No.	Date of Rev.	Brief Description of Revision	Location
		<i>Note: This Front Sheet Revision Table Commenced in Dec 2016.</i>	
No.5	Dec 16 th 2016	Annual Review <ul style="list-style-type: none"> • Addition of 'Front Sheet Revision table' to Risk Assessment Document • Deletion of Activity "Road Sweeper" as this activity no longer carried out by Institute Staff. 	Sheet 7 (b)

Estates Risk Assessment

Includes the following:

1. All areas – Sheet 1a, 1b, 1c, 1d
2. Carpentry workshop – Sheet 2a, 2b
3. Plant Rooms, Switch Rooms & Service Ducts – Sheet 3a
4. Carparks, Roads, Footpaths, Landscaped Areas, Sportfields – Sheet 4a, 4b, 4c,
5. Routine Maintenance, Decoration, Repair & Construction – Sheet 5a, 5b, 5c, 5d, 5e
6. Cleaning – Sheet 6a, 6b
7. Building Services – Sheet 7a, 7b,
8. All areas – Sheet 8a
9. Swimming Pool, gym areas, Sheet 9a

DKIT - QUANTITATIVE RISK ASSESSMENT FORM					Sheet No. 1 a)	Rev. 5	DATE:- Dec 2016
AREA:- Premises & Estates		Location:- All Areas			Assessment Carried out by:- Conor Lait		
Activity/Task	Hazards	Proba- bility	Sev- erity	Risk Factor	Controls in Place	Additional Controls Required	
FIRE: The following areas in the Estates Dept have been rated as follows, in terms of the risk posed by the threat of fire, due to the different level of activity that takes place in each area.	Fire is a universal hazard in any work environment, which poses the following hazards to everybody: Burns, smoke inhalation, injuries due to in orderly evacuation, post-traumatic stress.	1 to 3	1 to 3		Staff are advised to read Safety Statement in relation to Institute policies & procedures as regards fire prevention, control & emergency evacuations. Fire safety Register is maintained by Estates office and updated on regular basis as required. All Fire	Manual outlining emergency evacuation procedures is available on the website and all Staff have been formally reminded. All staff are required to read and familiarise themselves with the emergency evacuation procedures. All staff are required to co-operate fully with the procedures outlined in the manual.	
a) Offices, Stores, Public Areas		1	3	3	Prevention equipment is checked and regularly maintained as required.	See SWPS 1,3,4,9	
b) IT Training Rooms		1	3	3			
c) Plant Rooms, Workshops	If not ergonomically sited, this can lead to stress and strain. Trailing leads	1	3	3			
Visual Display Equipment in Offices,		1	3	3	All new office equipment complies with E.U Directives for ergonomic performance - S.I. 144 of 1993	All workstations will be inspected to evaluate hazards posed. See SWPS 7	
Moving around in all areas; i.e. Offices, Plant Rooms, Workshops, Stores common areas	Slips, trips and falls.	2	2	4	Caretakers and Cleaning staff are instructed to keep all walkways and common areas clear and free from obstructions. All spillages to be immediately cleaned up.	All staff to notify immediate supervisor in the event of any spillage/obstruction noted. Staff are advised to keep plant rooms and Store rooms clear. See SWPS 1,9	
Manual handling in all areas	Back strain, injuries to hands/feet	2	2	4	All staff are advised not to lift or engage in moving any loads unless they have been trained in safe manual handling techniques, and the task is within their physical capability.	See SWPS 14	
KEY							
PROBABILITY	SEVERITY	RISK FACTOR					
Probable 3	Critical 3	1-3 Low Risk					
Possible 2	Serious 2	4 Medium Risk					
Unlikely 1	Minor 1	6-9 High Risk					

DKIT - QUANTITATIVE RISK ASSESSMENT			Sheet No. 1 (b)		Rev. 5	DATE: Dec 2016	
AREA:- Premises & Estates		Location:- All Areas			Assessment carried out by:		Conor Lait
Activity/Task	Hazards	Proba- bility 1 to 3	Sev- rity 1 to 3	Risk Factor	Controls in Place	Additional Controls Required	
CHEMICAL SUBSTANCES: Chemical substances are in use in some areas with the Institute. A chemical is regarded as any substance (solid, liquid, aerosol or gas) which is used for the purpose or reacting with or effecting a change in another material. This definition extends beyond the narrow context of laboratory use and embraces broadest possible interpretation. It includes substances such as solvents, cleaning fluids, detergents, glues/resins, drain cleaners, paint strippers, preserving fluids as well as chemical reagents. These consist of seemingly harmless readily available substances to highly specialised and reactive laboratory Agents.	Acute or chronic poisoning resulting from ingestion, inhalation or absorption through the skin. Chemical burns. Some chemicals such as carcinogens may cause cancer. Can interfere with the normal development of the foetus. Can detonate under certain circumstances. Can cause fire or spontaneous ignition.	1	3	3	Chemicals in use in any area of the are identified by Material Data Sheets and Safe. Work Practice Sheets pertaining to the area in which they are used. These sheets identify the chemicals to be found and the practices to be adopted when handling them. Access to chemicals in workshops is controlled by technicians in charge of that particular area. Hazardous substances are available to students only under the supervision of competent staff.	Staff are given instruction in relevant Safe Work Practices pertaining to each area. See SWPS 6	
Walking, Cleaning	Needle Stick Injuries	1	3	3	Bins in buildings regularly emptied, floors cleaned...External grounds regularly cleaned & inspected	See SWPS 21	
KEY							
PROBABILITY		SEVERITY		RISK FACTOR			
Probable 3		Critical 3	1-3 Low Risk				
Possible 2		Serious 2	4 Medium Risk				
Unlikely 1		Minor 1	6-9 High Risk				

DKIT - QUANTITATIVE RISK ASSESSMENT Sheet No. 1 (c)					Rev. 5	DATE: Dec 2016
AREA:- Premises & Estates		Location:- All Areas			Assessment carried out by: Conor Lait	
Activity/Task	Hazards	Proba- bility 1 to 3	Sev- erity 1 to 3	Risk Factor	Controls in Place	Additional Controls Required
Storage and retrieval of material	Slips, trips, falls, cuts back injury, sprains falling objects	1	3	3	Keep all pathways clear. Do not climb on shelves or on storage racks. Store similar material together e.g. round with round, flat with flat etc. Store heavy materials near to ground and lighter material on upper shelves. Do not store above storage rack end Stops. Store all material on racks parallel to the aisle Seek assistance as required with heavy and difficult loads.	See SWPS 1,9,10,20
Storage hazardous materials & substances	Fire, slips	2	2	4	Only store small quantities of flammable liquid in store to suit daily requirements Read and obey Safe Work Practice Sheets. Take heed of hazard warning notices.	See SWPS 1,4,12,20
	KEY					
PROBABILITY	SEVERITY	RISK FACTOR				
Probable 3	Critical 3	1-3 Low Risk				
Possible 2	Serious 2	4 Medium Risk				
Unlikely 1	Minor 1	6-9 High Risk				

DKIT - QUANTITATIVE RISK ASSESSMENT Sheet No. 1 (d)			Rev. 5		DATE: Dec 2016	
AREA:- Premises & Estates		Location:- All Areas		Assessment carried out by:		Conor Lait
Activity/Task	Hazards	Probability 1 to 3	Severity 1 to 3	Factor	Controls in Place	Additional Controls Required
Use of portable appliances and low voltage electricity	Risk of shock to person Fire or explosion Unauthorised Risk	1.5	3	4.5	All electrical equipment to be risk assessed and PAT tested on a yearly basis if required. All RCD's to be tested once per annum. All MCB's to be tested once per annum. Only competent persons are permitted to operate portable appliances	Staff to be trained in use of PAT equipment. See SWPS 5
Untidy work area	Slips, trips or falls	1	3	3	Staff are instructed to co-operate In keeping work areas clean and tidy And free from obstruction.	See SWPS 1, 9,10
Presence of Radon Gas	Carcinogenic to persons	1	3	3	Radon survey carried out on all New buildings	
Leptospirosis	Disease that can be fatal				Rodent control programme in place	See SWPS 22
KEY						
PROBABILITY		SEVERITY		RISK FACTOR		
Probable	3	Critical	3	1-3	Low Risk	
Possible	2	Serious	2	4	Medium Risk	
Unlikely	1	Minor	1	6-9	High Risk	

DKIT - QUANTITATIVE RISK ASSESSMENT			Sheet No. 2 (a)		Rev. 5	DATE: Dec 2016	
AREA:- Premises & Estates		Location:- Carpentry workshop			Assessment carried out by:		Conor Lait
Activity/Task	Hazards	Proba- bility 1 to 3	Sev- rity 1 to 3	Risk Factor	Controls in Place	Additional Controls Required	
Moving around the workshop. General use of workshop equipment and facilities	Slips trips and falls. Eye injury, cuts, crush injury, amputation. Burns, fume Inhalation, poisoning Unauthorised use	1	3	3	Designated walkways are marked out on the floors. Machine guards are extensively available and must be used for self-protection and to prevent injury to others. First Aid is available for minor injuries and the Institute Nurse is on call in the event of more serious accidents. Safe Work Practice sheets are posted prominently. Hazard warning Notices are in place. Eating, drinking And using mobile phones is Banned in the area Only competent and authorised persons will be permitted to use workshop equipment	See SWPS 26,27	
General use of workshop equipment and facilities	Atmospheric contamination leading to ill-health due to ingestion, inhalation.	1	3	3	Dust masks to be used at all times when using any workshop equipment which generate dust. Dust extraction system in place in workshop.	Regular re-iteration of safe work practices and continued identification and minimization of hazards. Dust extraction system regularly inspected & maintained. See SWPS 26,27	
	KEY						
PROBABILITY	SEVERITY	RISK FACTOR					
Probable 3	Critical 3	1-3 Low Risk					
Possible 2	Serious 2	4 Medium Risk					
Unlikely 1	Minor 1	6-9 High Risk					

DKIT - QUANTITATIVE RISK ASSESSMENT				Sheet No. 2 (b)		Rev. 5	DATE: Dec 2016	
AREA:- Premises & Estates		Location:- Carpentry workshop			Assessment carried out by:		Conor Lait	
Activity/Task	Hazards	Proba- bility 1 to 3	Sev- rity 1 to 3	Risk Factor	Controls in Place	Additional Controls Required		
Using hand tools such as files screwdrivers, files, wrenches, chisels, punches, hammers etc	Cuts, abrasions, eye injury, sprains, impact injury (hammers) Cuts, abrasions, eye	1	3	3	Safe work practices are taught Instruction and supervision provided so as to minimise risk. Take heed of hazard warning notices.	See SWPS 27,28		
General use of workshop equipment and facilities.	Fire is a universal hazard in all areas of the Institute, but the use and storage of oils, grease and flammable gases poses an increased risk.	1	3	3	Fire extinguishers and blankets are available in all areas of the Institute Fire drills are carried out. Staff and students receive evacuation training.	Locations of Fire extinguishers to be highlighted and access kept clear at all times Co2 extinguishers required for small and or electrical fires. See SWPS 1,9,20		
Circular Saw	Eye injury, cuts	1	3	3	Safe work practices are taught Instruction and supervision provided so as to minimize risk.	See SWPS 29		
	KEY							
PROBABILITY	SEVERITY	RISK FACTOR						
Probable 3	Critical 3	1-3 Low Risk						
Possible 2	Serious 2	4 Medium Risk						
Unlikely 1	Minor 1	6-9 High Risk						

DKIT - QUANTITATIVE RISK ASSESSMENT		Sheet No. 3 (a)		Rev. 5		DATE: Dec 2016	
AREA:- Premises & Estates		Location:- Plant Rooms/Switch Rooms/Service ducts		Assessment carried out by:		Conor Lait	
Activity/Task	Hazards	Proba- bility 1 to 3	Sev- rity 1 to 3	Risk Fact or	Controls in Place	Additional Controls Required	
Un-authorized access storage and moving around Plant ,Switch Rooms & Service Ducts	Accidents due to lack of awareness & familiarity with Surroundings.	1	3	3	All doors display relevant signage re authorized personnel only, risk of shock, lone working area. danger, and no storage.	Electronic self locking ironmongery on all doors. See SWPS 11,12,105 Lone working Procedure to be used.	
Untidy work area	Slips trips or falls	1	3	3	Staff are instructed to cooperate in keeping areas clean and tidy and free from obstruction.	See SWPS 1, 9,20	
Swimming Pool Plant Room	Chemical Mixing	2	2	6	Plant room control and operation managed by competent “ Leisure Handler”		
	KEY						
PROBABILITY	SEVERITY	RISK FACTOR					
Probable 3	Critical 3	1-3 Low Risk					
Possible 2	Serious 2	4 Medium Risk					
Unlikely 1	Minor 1	6-9 High Risk					

DKIT - QUANTITATIVE RISK ASSESSMENT Sheet No. 4 (a)					Rev. 5	DATE: Dec 2016
AREA:- Premises & Estates		Location:- Car parks, roads & footpaths			Assessment carried out by:	Conor Lait
Activity/Task	Hazards	Proba- bility 1 to 3	Sev- rity 1 to 3	Risk Factor	Controls in Place	Additional Controls Required
Inappropriate Parking in carparks, on roads & on footpaths	Injury to persons & property, particularly to disabled, visually impaired	2	2	4	All car parking spaces are marked out. Double yellow lines in Position where it is illegal to park	Clamping of illegally parked vehicles is carried out on an ongoing basis by a car park management company. See SWPS 18
Inappropriate parking by Delivery vehicles	Injury to persons & property.	2	2	4	All deliveries directed to Goods Inwards office at Hoeys' Lane Entrance to North Block	Service Yards provided at HTB & Students Bar Service Yard will be provided to new Restaurant/Theatre
Inappropriate Parking By buses	Injury to persons & property.	2	2	4	Set down areas provided for buses	See SWPS 18
Accumulation of debris & rubbish	Injury to persons & property.	2	2	4	Car parks Roads & Footpath are cleaned on a regular basis.	
Speeding	Injury to persons & property.	2	2	4	Max. speed limit 20 MPH in place with appropriate signage	Ramps in position
Pedestrian Traffic	Slips , trips & falls	1	2	2	Maintenance Request System in place To receive requests	See SWPS 10
Crossing roads from footpaths	Injury to persons & Property	2	2	4	Pedestrian Crossings are provided. Footpaths are set down at crossings To allow for ease of access. Tactile paviors are provided	
	KEY					
PROBABILITY	SEVERITY		RISK FACTOR			
Probable 3	Critical 3	1-3 Low Risk				
Possible 2	Serious 2	4 Medium Risk				
Unlikely 1	Minor 1	6-9 High Risk				

DKIT - QUANTITATIVE RISK ASSESSMENT Sheet No. 4 (b)					Rev. 5	DATE: Dec 2016
AREA:- Premises & Estates		Location:- Landscaped areas			Assessment carried out by:	Conor Lait
Activity/Task	Hazards	Probability 1 to 3	Severity 1 to 3	Risk Factor	Controls in Place	Additional Controls Required
Grass-cutting, trimming & Hedge cutting in proximity to staff in open areas	Injury to persons & property from flying stones. & debris	1	3	3	Bid document identifies risk, and seek method statement from landscaping contractor	see SWPS 102
Use of Chemical Substances in proximity to staff in open areas	Poisoning,Burning, Carcinogenic, Fire	1	3	3	Bid document identifies risk, and seek method statement from landscaping contractor	See SWPS 102
Use of Tractor		1.5	3	4.5	Institute staff trained in use of tractor	See SWPS 104
Accumulation of debris & rubbish	Injury to persons & property.	2	2	4	Car parks Roads & Footpath are cleaned on a regular basis.	
Use of power washer	Slips, pressurized water petrol	1	3	3	Institute staff trained in use of power washer	See SWPS 107
KEY						
PROBABILITY		SEVERITY		RISK FACTOR		
Probable	3	Critical	3	1-3	Low Risk	
Possible	2	Serious	2	4	Medium Risk	
Unlikely	1	Minor	1	6-9	High Risk	

DKIT - QUANTITATIVE RISK ASSESSMENT Sheet No. 4 (c)					Rev. 5	DATE: Dec 2016
AREA:- Premises & Estates		Location:- Sportsfields (Artificial & Grass)			Assessment carried out by:	Conor Lait
Activity/Task	Hazards	Proba- bility 1 to 3	Sev- rity 1 to 3	Risk Factor	Controls in Place	Additional Controls Required
Defective Surfaces	Possible serious injury	2	2	4	All surfaces are regularly maintained by appropriate landscape & Artificial Grass Contractor .	N/A
Obstruction of vehicular Entrance to Complex	Ambulance unable to Gain access	2	2	4	Traffic Management policy in place which includes clamping of illegally parked cars	Signage in place. See SWPS 18
	KEY					
PROBABILITY	SEVERITY	RISK FACTOR				
Probable 3	Critical 3	1-3 Low Risk				
Possible 2	Serious 2	4 Medium Risk				
Unlikely 1	Minor 1	6-9 High Risk				

DKIT - QUANTITATIVE RISK ASSESSMENT				Sheet No. 5 (a)		Rev. 5		DATE: Dec 2016		
AREA:- Premises & Estates		Location:- All areas			Assessment carried out by: Conor Lait					
Activity/Task	Hazards	Proba- bility 1 to 3	Sev- rity 1 to 3	Risk Factor	Controls in Place	Additional Controls Required				
Routine maintenance (which Involves one contractor and does Not involve a particular risk and Will be completed in less than 30 Working days and will involve Less than 500 person days)	Accident due to poor planning procedures and construction methods.	1	3	3	Client appoints competent Designers and contractors	All maintenance tender packages to Contain reference to new Legislation & contain hazard identification. See SWPS 102 Contractors Code of Conduct Document				
Routine maintenance which Involves more than one contractor Or involves a particular risk, will Be completed in less than 30 days And will involve less than 500 days	Accident due to poor planning procedures and construction methods.	1	3	3	Client To appoint Competent PSDP & PSCS Installer/ contractor can perform both roles.	Assess competence of PSDP & PSCS All maintenance tender packages to Contain reference to new legislation & contains hazard identification. See SWPS 101				
Construction Projects of short duration involves one or more contractors , and will be completed in less than 30 days and will involve less than 500 persons days	Accident due to poor planning procedures and construction methods.	1	3	3	Client to appoint competent PSDP & PSCS	Assess competence of PSDP & PSCS Health & Safety Plan prepared See SWPS 101 Contractors Code of Conduct Document				
Construction Project of long duration which involves one or more contractors and will take longer than 30 days to complete or will involve more than 500 days.	Accident due to poor planning procedures and construction methods.	1	3	3	Client to appoint PSDP & PSCS. Notify HSA and submit completed AF1 Form	Assess competence of PSDP & PSCS Health & Safety Plan prepared See SWPS 101 Contractors Code of Conduct Document				
KEY										
PROBABILITY		SEVERITY		RISK FACTOR						
Probable 3		Critical 3		1-3 Low Risk						
Possible 2		Serious 2		4 Medium Risk						
Unlikely 1		Minor 1		6-9 High Risk						

DKIT - QUANTITATIVE RISK ASSESSMENT			Sheet No. 5 (b)		Rev. 5	DATE: Dec 2016	
AREA:- Premises & Estates		Location:- All areas		Assessment carried out by:		Conor Lait	
Activity/Task	Hazards	Proba- bility 1 to 3	Sev- rity 1 to 3	Risk Factor	Controls in Place	Additional Controls Required	
Routine Maintenance including Institute staff	Slips, trips & falls Possible fire hazard	2	2	4	All contractors required to clean up after work operations.	All students and staff are required to co-operate in keeping all areas free from rubbish and debris see SWPS 102, 1, 3, 9,14	
Routine Maintenance including Institute staff	Trips falls , dropping of tools from height	1	3	3	All contractors and Institute staff to operate a safe system of work.	See SWPS 102, 13.	
Routine Maintenance including Institute staff	Use of ladders scaffold tower	1	3	3	Institute staff trained in use of ladders & scaffold tower	See SWPS 14, 102,13	
Building or Renovation work	Disturbing asbestos	1	3	3	An RD Asbestos Survey to be conducted before any works to North or South Buildings and PJ Carrolls. An Asbestos Survey has been carried out on all other buildings.	Asbestos Register in place.on S drive	
Excavation Work	Disturbing asbestos cement pipes	1	3	3	An RD Asbestos Survey to be conducted before any excavation works are carried out.		
	KEY						
PROBABILITY	SEVERITY	RISK FACTOR					
Probable 3	Critical 3	1-3 Low Risk					
Possible 2	Serious 2	4 Medium Risk					
Unlikely 1	Minor 1	6-9 High Risk					

DKIT - QUANTITATIVE RISK ASSESSMENT					Sheet No. 5 (c)	Rev. 5	DATE: Dec 2016
AREA:- Premises & Estates		Location:- Roofs		Assessment carried out by:			Conor Lait
Activity/Task	Hazards	Proba- bility 1 to 3	Sev- rity 1 to 3	Risk Factor	Controls in Place	Additional Controls Required	
Access and egress to roofs	Accidents involving people accessing and egressing Roofs. Falls from heights Serious injuries; potential fatalities	1	3	3	Only designated routes to be used. All doors display relevant signage re danger, restricted access, lone working, harness use, Roof permit access system in place.	Electronic self locking ironmongery on all doors. Edge protection required to roof of North Building. See SWPS 3,11,12,105	
Maintenance of fall arrest system	Falls from heights Serious injuries; potential fatalities	1	3	3	Maintained in accordance with with manufacturers instructions	Bid document identifies risks and seeks a method statement. Contractor appointed PSDP & PSCS. See SWPS 101	
Lighting Conductor Maintenance	Falls from heights Serious injuries; potential fatalities	1	3	3	Maintained in accordance with manufacturers instructions	Bid document identifies risk, and seek method statement Contractor appointed PSDP & PSCS See SWPS 101	
Maintenance, roof repairs Maintenance of roof mounted plant by outside contractor.	Falls from heights Serious injuries; potential fatalities	1	3	3	Institute staff trained in harness use	Bid document identifies risks and seeks a method statement. Contractor appointed PSDP & PSCS. See SWPS 101	
Slips, trips and falls	Slips on Trocal roof Serious injuries; potential fatalities	1	3	3	Ensure that required PPE is worn, particularly footwear. Surfaces can be particularly slippery when wet.	See SWPS 3,11,12 Hazard identified in bid documents Signage re slipping hazard for RDC, North Block & Faulkner Buildings at entry point to roof. Institute staff informed.	
	KEY						
PROBABILITY	SEVERITY	RISK FACTOR					
Probable 3	Critical 3	1-3 Low Risk					
Possible 2	Serious 2	4 Medium Risk					
Unlikely 1	Minor 1	6-9 High Risk					

DKIT - QUANTITATIVE RISK ASSESSMENT Sheet No. 5 (d)					Rev. 5	DATE: Dec 2016
AREA:- Premises & Estates		Location:- External Doors			Assessment carried out by: Conor Lait	
Activity/Task	Hazards	Proba- bility 1 to 3	Sev- rity 1 to 3	Risk Factor	Controls in Place	Additional Controls Required
Defects to doors – doors are difficult/impossible to open/close/lock/secure	Injury to persons & property	2	2	4	Maintenance staff check & rectify all doors at least annually	Maintenance request system in operation on DkIT website - available to all staff Restrict number of doors available for through traffic by alarming same.
Doors are caught by wind gusts	Injury to persons & property	2	2	4	Maintenance staff check & rectify all doors at least annually	Maintenance request system in operation on DKIT website - available to all staff Restrict number of doors available for through traffic by alarming same.
Doors left unsecured	Security Risk	2	2	4	All doors systematically checked at night and weekends by caretaking staff and external security	
	KEY					
PROBABILITY	SEVERITY	RISK FACTOR				
Probable 3	Critical 3	1-3 Low Risk				
Possible 2	Serious 2	4 Medium Risk				
Unlikely 1	Minor 1	6-9 High Risk				

DKIT - QUANTITATIVE RISK ASSESSMENT				Sheet No. 5 (e)	Rev. 5	DATE: Dec 2016	
AREA:- Premises & Estates		Location:- Utilities/Services			Assessment carried out by:		Conor Lait
Activity/Task	Hazards	Proba- bility 1 to 3	Sev- rity 1 to 3	Risk Factor	Controls in Place	Additional Controls Required	
Encounter services during course of routine maintenance which involves excavation Gas, Electricity, watermains, drainage, comms.	Injury to persons & possible fatality .explosion.	1	3	3	All contractors working on site are obliged to survey site in advance of carrying out any excavation works. In the case of services such as Gas, ESB and Eircom cables Contractors are obliged to liaise with relevant Statutory Authorities prior to commencement of works. Method statements required from contractors prior to commencement of works. Contractors also Required to liaise with Estates Office and Design Teams (Capital Projects)	All Services and Utilities are recorded on Campus Utilities Drawing which is regularly updated by the DKIT Estates Office. This DWG is provided to Design Teams and Contractors as a means of assisting in the location of services, prior to commencement of works. The availability of this DWG. does not relieve the contractor of the ultimate responsibility to ascertain the location of underground services and utilities prior to the commencement of excavation works Appointment of competent PSDP and PSCS who will carry out Safety Plan for works See SWPS 101,102	
	KEY						
PROBABILITY	SEVERITY	RISK FACTOR					
Probable 3	Critical 3	1-3 Low Risk					
Possible 2	Serious 2	4 Medium Risk					
Unlikely 1	Minor 1	6-9 High Risk					

DKIT - QUANTITATIVE RISK ASSESSMENT Sheet No. 6 (a)					Rev. 5	DATE: Dec 2016
AREA:- Premises & Estates		Location:- All Areas			Assessment carried out by: Conor Lait	
Activity/Task	Hazards	Proba- bility 1 to 3	Sev- rity 1 to 3	Risk Factor	Controls in Place	Additional Controls Required
Accumulation of rubbish	Slips, trips & falls Possible fire hazard	2	2	4	All contractors required to clean up after work operations. Caretakers required to keep all area free of rubbish	All students and staff are required to co-operate in keeping all areas free from rubbish and debris See SWPS 9,10,20
Work areas not clearly defined	Slips, trips & falls	2	2	4	Work areas to be clearly defined and cordoned off with signs & cones. Floor cleaning to be carried out when traffic volume low.	All students and staff are required to co-operate in heeding any signage erected By caretakers or external cleaning contractor. See SWPS 9,10,20
Manual Handling	Back Injury	2	3	6	Read and obey Safe Work Practice Sheets re Manual Handling	All institute cleaning staff to attend manual handling training. See SWPS 14
Faulty electrical equipment	Electric Shock Possible fire hazard	2	3	6	All electrical equipment to be risk assessed and PAT tested on a yearly basis if required. All RCD'S to be tested once per annum. All MCB'S to be tested	All wiring circuits in Institute are protected By ELCB. See SWPS 5
Cuts & Abrasions	Possible infection	2	2	2	All cuts should receive First aid treatment Immediately.	First Aid Boxes positioned throughout Institute and are regularly maintained.
Use of baler compactor	Cuts, crushing	1	3	3	Institute staff trained in use of baler	See SWPS 103
KEY						
PROBABILITY		SEVERITY		RISK FACTOR		
Probable	3	Critical	3	1-3	Low Risk	
Possible	2	Serious	2	4	Medium Risk	
Unlikely	1	Minor	1	6-9	High Risk	

DKIT - QUANTITATIVE RISK ASSESSMENT Sheet No. 6 (b)					Rev. 5	DATE: Dec 2016
AREA:- Premises & Estates		Location:- All Areas – External fabric			Assessment carried out by:	Conor Lait
Activity/Task	Hazards	Proba- bility 1 to 3	Sev- rity 1 to 3	Risk Factor	Controls in Place	Additional Controls Required
Window cleaning	Fall from height Danger to public	1.5	3	3.5	Bid document identifies risks and seeks a method statement. Contractor appointed PSDP & PSCS. Only a competent contractor will be appointed to carry out this task.	See SWPS 101 Contractors Code of Conduct Document
KEY						
PROBABILITY		SEVERITY		RISK FACTOR		
Probable	3	Critical	3	1-3	Low Risk	
Possible	2	Serious	2	4	Medium Risk	
Unlikely	1	Minor	1	6-9	High Risk	

DKIT - QUANTITATIVE RISK ASSESSMENT			Sheet No. 7 (a)		Rev. 5	DATE: Dec 2016	
AREA:- Premises & Estates			Location:- All Areas		Assessment carried out by:		Conor Lait
Activity/Task	Hazards	Proba- bility 1 to 3	Sev- rity 1 to 3	Risk Factor	Controls in Place	Additional Controls Required	
Gas Boiler Servicing	Serious Injury to or possible fatality. Possible explosion, serious disruption.	1.5	3	3.5	All contractors must be suitably qualified and registered with Bord Gais or equivalent certification body.	Bid document identifies risks and seeks a method statement. Contractor appointed PSDP & PSCS. See SWPS 101, 102	
Passenger & Goods Lift servicing	Injury to persons from falling, crushing or electrical shock	1.5	3	3.5	All contractors must be competent and qualified to service passenger & goods lift installations in accordance with ISEN81	Bid document identifies risks and seeks a method statement. Contractor appointed PSDP & PSCS. See SWPS 101, 102	
Use of lift by Institute staff, students or visitors	Trapped in lift car due to , Mechanical, Electrical failure of lift apparatus	1.5	3	3.5	All lifts to have in car communication system and alarm buttons. All caretaking staff to be trained in lift rescue.	All caretaking staff to be trained in lift rescue	
Use of water through out institute for catering, cleaning and bathing	Legionella can form in stagnant water	1.5	3	3.5	Water risk assessment completed .Hot & cold water installation to be treated in accordance with HAS “The control of Legionella Bacteria in Water Systems”	Contractor to carry out maintenance contract in accordance with DKIT bid document. Bid document will identify risks and seek a method statement . See SWPS 102	
	KEY						
PROBABILITY	SEVERITY	RISK FACTOR					
Probable 3	Critical 3	1-3 Low Risk					
Possible 2	Serious 2	4 Medium Risk					
Unlikely 1	Minor 1	6-9 High Risk					

DKIT - QUANTITATIVE RISK ASSESSMENT			Sheet No. 7 (b)		Rev. 5	DATE: Dec 2016	
AREA:- Premises & Estates Location:- All Areas			Assessment carried out by:			Conor Lait	
Activity/Task	Hazards	Probability 1 to 3	Severity 1 to 3	Risk Factor	Controls in Place	Additional Controls Required	
Use of compressed Air	Danger of explosion, injury to persons .	1	3	3	All air compressors subject to annual inspection by Insurance company. Only competent persons will be permitted to Use compressed air systems.	All air compressors receive annual maintenance. Contractor appointed PSDP & PSCS Bid document to highlight risks and seek Method statement. See SWPS 108 , 101	
Fire related building services	Risk of injury to person from fire due to failure of fire related building service	1	3	3	Following Fire related systems are systematically checked & recorded in fire register. Fire detection systems, Fire extinguishers & hose reels, fire hydrants, smoke vents, smoke curtains, hold open & close devices to Doors, internal fire doors & final emergency exit routes & doors, emergency lighting		
Medium Voltage Switchgear	Risk of shock or explosion risk of serious injury, fatality and disruption to Institute activities	1.5	3	3.5	Maintenance of High Voltage Equipment in accordance with manufacturers recommendations	Training of staff in use of medium voltage switchgear. Contractor to be appointed PSDS & PSCS, Bid document to identify risk & seek Method statement. See SWPS 101	
Cardboard Baler	Risk of Injury from cuts, entrapment, and objects falling.	1	2	2	Operating Instruction posted on baler	See SWPS 103	

		KEY			
PROBABILITY		SEVERITY		RISK FACTOR	
Probable	3	Critical	3	1-3	Low Risk
Possible	2	Serious	2	4	Medium Risk
Unlikely	1	Minor	1	6-9	High Risk

DKIT - QUANTITATIVE RISK ASSESSMENT			Sheet No. 8 (a)		Rev. 5	DATE: Dec 2016	
AREA:- Premises & Estates		Location:- All Areas		Assessment carried out by: Conor Lait			
Activity/Task	Hazards	Proba- bility 1 to 3	Sev- erity 1 to 3	Risk Factor	Controls in Place	Additional Controls Required	
Major Crisis/Emergency	Persons exposed to risk	2	3	6	Emergency Plan developed.	See Safe work practice sheet 2	
Working off campus	Employee Exposed to risk	2	2	4	See SWPS 8		
Event organisation	Person exposed to risk of accident	Variable	Variable	Variable	See SWPS 15		
Pregnant Employees	Risk from chemicals ,posture, excessive temperature and manual handling.	2	3	6	See SWPS 16		
Field Trips	Range of Hazards See SWPS 19	2	3	6	See SWPS 19		
Bullying and Harassment	Range of hazards See SWPS 23	2	3	6	See SWPS 23	See SWPS 23	
Dealing with Aggression in the Workplace	Range of Hazards See SWPS 24	1	3	3	Caretakers attend training.	See SWPS 24	

KEY		
PROBABILITY	SEVERITY	RISK FACTOR
Probable 3	Critical 3	1-3 Low Risk
Possible 2	Serious 2	4 Medium Risk
Unlikely 1	Minor 1	6-9 High Risk

DKIT - QUANTITATIVE RISK ASSESSMENT						Sheet No. 9 (a)		Rev. 5		DATE: Dec 2016	
AREA:- Premises & Estates		Location:- Dkit Sport				Assessment carried out by:			Conor Lait		
Activity/Task		Hazards		Proba- bility 1 to 3	Sev- rity 1 to 3	Risk Factor	Controls in Place		Additional Controls Required		
Swimming		Drowning,Disease,Chemical Exposure, Electrical Shock		2	3	6	Operational day to day management of Swimming Pool Is being carried out by Third Party Leisure Handler				
Use of Jacuzzi		Drowning,Disease,Chemical Exposure, Electrical Shock		2	3	6	Operational day to day management of Jacuzzi Is being carried out by Third Party Leisure Handler				
Use of Steam Sauna		Prolonged increase in body temp, (Risk to pregnant women and persons with cardiovascular conditions)nausea,dizziness, Disease, Electrical Shock.		2	3	6	Operational day to day management of Sauna Is being carried out by Third Party Leisure Handler				
Swimming Pool Plant Room		Risk of Fumes from Chemical Mixing,Explosion,Spillages		2	3	6	Operational day to day management of Plant Room Is being carried out by Third Party Leisure Handler				
Use of Gym Equipment		Risk of injury due to inappropriate use		2	2	4	Operational day to day management of gym equipment is being carried out by Third Party Leisure Handler				

PROBABILITY		KEY		SEVERITY		RISK FACTOR	
Probable	3	Critical	3	1-3	Low Risk		
Possible	2	Serious	2	4	Medium Risk		
Unlikely	1	Minor	1	6-9	High Risk		