

Occupational Health and Safety Baseline risk assessment template									
Project/Dept:	Tower inspection, Analysis, Design and compliance certification						Next Review Date:	25-Mar-24	Unique Identifier: 240-70044602
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Refer to Occupational Health and Safety Risk assessment procedure 32-520																						
1. List activity		2. Hazard identification				3. Risk identification						4. Assess & Analyse Risks				5. Evaluate Risk				6. Reduce & Eliminate Risk		
List risk areas	List activity	Hazard nr	Hazard identification	Risk Nr	Associated risk (Risk identification)	Risk type	Exposed group/employees	Exposure patterns	Cause(s) of the risk	Risk Owner	Conditions/Terminal/Interruptions	What are the Consequences?	Existing Controls	First determine Consequence and then the likelihood of that Consequence	Risk Priority Rating	Additional Controls or Tests Aimed at Improving Existing Controls	First determine Consequence and then the likelihood of that Consequence	Risk Priority Rating	Monitoring Mechanisms	Control Owner	Legal and other requirements	
Road	Identify areas where activities are performed and hazards are identified	N	A hazard is anything that is likely to lead to an event that will have an adverse impact on achieving an objective. A hazard can pose more than one risk	N	A physical event occurs or could occur in relation to the hazard	Safety or health	Who is exposed to the hazard i.e. Employees, visitors, members of the public, etc.	The frequency and duration the phenomenon is exposed to the hazard e.g. Daily for 5 hrs.	What causes the risk to come into effect?	Who is accountable for making sure the controls and measures are in place, implemented, regularly reviewed for effectiveness	Indicate N or A. These indicate changes to conditions that could not be successfully mitigated e.g. Time constraints, Limited Controls, personnel responsible to reduce the immediate impact of the risk occurring	Include: Discriminative Controls Controls implemented to eliminate hazards or reduce the likelihood of the risk occurring; and Residual Controls Controls implemented to reduce the immediate impact of the risk occurring	Consequence Unlikely	5 3	II	P	Continued Contractor Monitoring	3 2	II	Conducting Behavioural Safety Observation on as an and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Driver Fatigue management (ETB 1571) Safe Travelling Procedure 240-62046306, Risk Assessment Procedure 32-520 Task Specific Risk Assessment (ETFM122)(ETFM123) CHSAS 18001(4.3.1.4.5.3)
	1	Fatigue	1	Falling asleep while driving.	Safety	Contractors	Contractors	Daily	Travelling long distances without resting, parking for long time and not getting enough rest, studying for long hours without getting any rest	Exakon Telecommunications/ Principal Contractor	N	MVA which may lead to injury or fatality	Contractor Management through leaving of health and safety specifications, evaluation and approval of Health and Safety files and continued contractor monitoring	5 3	II	P	Continued Contractor Monitoring	3 2	II	Conducting Behavioural Safety Observation on as an and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Driver Fatigue management (ETB 1571) Safe Travelling Procedure 240-62046306, Risk Assessment Procedure 32-520 Task Specific Risk Assessment (ETFM122)(ETFM123) CHSAS 18001(4.3.1.4.5.3)
	2	Mechanical failures	2	Defective Vehicle	Safety	Contractors	Contractors	Daily	Mechanical Failure, Vehicle not checked for defects	Exakon Telecommunications/ Principal Contractor	N	MVA which may lead to injury or fatality	Contractor Management through leaving of health and safety specifications, evaluation and approval of Health and Safety files and continued contractor monitoring	4 3	II	P	Continued Contractor Monitoring	2 1	IV	Conducting Behavioural Safety Observation on as an and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Safe travelling procedure 240-62046306, Risk Assessment Procedure 32-520 Task Specific Risk Assessment (ETFM122)(ETFM123) CHSAS 18001(4.3.1.4.5.3)
	3	Wildlife animals	3	Hitting a straying animal	Safety	Contractors	Contractors	Daily	Observed view, Over Speeding, No Fencing along the road	Exakon Telecommunications/ Principal Contractor	N	MVA which may lead to injury or fatality	Contractor Management through leaving of health and safety specifications, evaluation and approval of Health and Safety files and continued contractor monitoring	4 3	II	P	Continued Contractor Monitoring	4 2	II	Conducting Behavioural Safety Observation on as an and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Risk Assessment procedure 32-520, ETFM1036, Task Specific Risk Assessment (ETFM122)(ETFM123) CHSAS 18001(4.3.1.4.5.3)
	4	Over speeding	4	Collision, losing control of the vehicle, unable to stop in time	Safety	Contractors	Contractors	Daily	Time Pressure, accident, Doing things in haste, driving under intoxication	Exakon Telecommunications/ Principal Contractor	N	MVA which may lead to injury or fatality	Contractor Management through leaving of health and safety specifications, evaluation and approval of Health and Safety files and continued contractor monitoring	5 4	I	P	Continued Contractor Monitoring	5 2	II	Conducting Behavioural Safety Observation on as an and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Line 34.1 and Line 55.3, 55.5 Travelling Procedure 240-62046306, Risk Assessment procedure 32-520, ETFM1036, Task Specific Risk Assessment (ETFM122)(ETFM123) CHSAS 18001(4.3.1.4.5.3)
	5	Long Distance Travelling	5	Falling asleep while driving.	Safety	Contractors	Contractors	Daily	Driving without resting at two hourly interval	Exakon Telecommunications/ Principal Contractor	N	MVA which may lead to injury or fatality	Contractor Management through leaving of health and safety specifications, evaluation and approval of Health and Safety files and continued contractor monitoring	5 3	II	P	Continued Contractor Monitoring	5 1	III	Conducting Behavioural Safety Observation on as an and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Driver Fatigue management (ETB 1571) Safe Travelling Procedure 240-62046306, CHSAS 18001(4.3.1.4.5.3)
	6	Exposure to Hitting	6	Possible assault, rape, sexual assault, being shot	Safety	Contractors	Contractors	Daily	Crime, driving alone, Lack of security at site, working at night	Exakon Telecommunications/ Principal Contractor	N	Vehicle being taken, Possible injury or fatality	Contractor Management through leaving of health and safety specifications, evaluation and approval of Health and Safety files and continued contractor monitoring	5 4	I	P	Continued Contractor Monitoring	5 3	II	Conducting Behavioural Safety Observation on as an and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Risk Assessment Procedure 32-520, CHSAS 18001(4.3.1.4.5.3)
	7	Poor Road conditions	7	Possible puncture or damage to the vehicle tyre	Safety	Contractors	Contractors	Daily	Potholes, Sharp things on the road surface (stones, debris etc) under signs, ignorance, narrow roads, Possible road markings	Exakon Telecommunications/ Principal Contractor	N	MVA which may lead to injury or fatality	Contractor Management through leaving of health and safety specifications, evaluation and approval of Health and Safety files and continued contractor monitoring	4 4	I	P	Continued Contractor Monitoring	4 3	II	Conducting Behavioural Safety Observation on as an and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Safe travelling procedure 240-62046306, CHSAS 18001(4.3.1.4.5.3)
	8	Driving in a 40k Terrain without appropriate competence	8	The vehicle may capsize and roll	Safety	Contractors	Contractors	Daily	Using the vehicle not meant for that purpose	Exakon Telecommunications/ Principal Contractor	N	MVA which may lead to injury or fatality	Contractor Management through leaving of health and safety specifications, evaluation and approval of Health and Safety files and continued contractor monitoring	4 4	I	P	Continued Contractor Monitoring	4 2	II	Conducting Behavioural Safety Observation on as an and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, ETRP0364 and Safe travelling procedure 240-62046306, CHSAS 18001(4.3.1.4.5.3)
	9	Adverse weather conditions (Heavy rain, hail storm, heavy winds)	9	Hitting vehicle in front or side	Safety	Contractors	Contractors	Daily	Blurred vision, your vehicle swayed away by water and the wind pushing it causing loss of control	Exakon Telecommunications/ Principal Contractor	N	MVA which may lead to injury or fatality	Contractor Management through leaving of health and safety specifications, evaluation and approval of Health and Safety files and continued contractor monitoring	5 3	II	P	Continued Contractor Monitoring	5 1	III	Conducting Behavioural Safety Observation on as an and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Safe travelling procedure 240-62046306, ET Communication, CHSAS 18001(4.3.1.4.5.3)
	10	Poorly Maintained Green Road	10	Vehicle slipping and capsizing	Safety	Contractors	Contractors	Daily	Driving at a speed not suitable for the condition of the road	Exakon Telecommunications/ Principal Contractor	N	MVA which may lead to injury or fatality	Contractor Management through leaving of health and safety specifications, evaluation and approval of Health and Safety files and continued contractor monitoring	5 3	II	P	Continued Contractor Monitoring	5 2	II	Conducting Behavioural Safety Observation on as an and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Safe travelling procedure 240-62046306, ET Travel Policy, CHSAS 18001(4.3.1.4.5.3)
	11	Pedestrians crossing the road	11	Hitting a straying animal	Safety	Contractors	Contractors	Daily	Reductions crossing the road where it is not demarcated for that purpose, insufficient road markings, driving while intoxicated	Exakon Telecommunications/ Principal Contractor	N	MVA which may lead to injury or fatality including Public	Contractor Management through leaving of health and safety specifications, evaluation and approval of Health and Safety files and continued contractor monitoring	4 3	I	P	Continued Contractor Monitoring	4 2	II	Conducting Behavioural Safety Observation on as an and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Safe travelling procedure 240-62046306, ET Travel Policy, CHSAS 18001(4.3.1.4.5.3)
	12	Other negligent road users	12	Colliding with other vehicles	Safety	Contractors	Contractors	Daily	Third Party negligence, The feeling of being right, Road rage	Exakon Telecommunications/ Principal Contractor	N	possible motor vehicle physis (MVA) which may lead to injury or fatality including Public	Contractor Management through leaving of health and safety specifications, evaluation and approval of Health and Safety files and continued contractor monitoring	5 4	I	P	Continued Contractor Monitoring	5 2	I	Conducting Behavioural Safety Observation on as an and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Line 54.22, Safe travelling procedure 240-62046306, ET Travel Policy, CHSAS 18001(4.3.1.4.5.3)
	13	Unsafe driving	13	causing an accident (Collision, losing control of vehicle)	Safety	Contractors	Contractors	Daily	Use of a cell phone while driving, fatigue, using while driving, using medication which affects your concentration, impairment, ignorance, intoxication, reckless driving	Exakon Telecommunications/ Principal Contractor	N	possible motor vehicle physis (MVA) which may lead to injury or fatality including Public	Contractor Management through leaving of health and safety specifications, evaluation and approval of Health and Safety files and continued contractor monitoring	5 3	I	P	Continued Contractor Monitoring	3 2	II	Conducting Behavioural Safety Observation on as an and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Line 54.14, Safe travelling procedure 240-62046306, ET Travel Policy, CHSAS 18001(4.3.1.4.5.3)
14	Night driving	14	Being involved in an accident (Collision, hitting oncoming vehicle etc)	Safety	Contractors	Contractors	Daily	Night Blindness	Exakon Telecommunications/ Principal Contractor	N	MVA which may lead to injury or fatality including Public	Contractor Management through leaving of health and safety specifications, evaluation and approval of Health and Safety files and continued contractor monitoring	5 3	I	P	Continued Contractor Monitoring	5 2	I	Conducting Behavioural Safety Observation on as an and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Safe travelling procedure 240-62046306, CHSAS 18001(4.3.1.4.5.3)	

Radio site Substation, Powerstation	Working at heights	15	Unroadworthy vehicle	15	Vehicle Breakdown or parts failure	Safety	Contractors	Daily	Poor vehicle Maintenance	Eskom Telecommunications/ Principal Contractor	N	MVA which may lead to injury or fatality including Public	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	3	6	P	Continued Contractor Monitoring	5	1	8	Conducting Behavioural Safety Observations on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, line 54.10, Procedure 32.05, CHSAS 180014.3.1, 4.5.3	
		16	Road Works	16	Vehicle Collision	Safety	Contractors	Daily	Distraction on the road, under signs, ignore road conditions, poorly visible road markings	Eskom Telecommunications/ Principal Contractor	N	MVA which may lead to injury or fatality including Public	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	4	3	6	P	Continued Contractor Monitoring	4	2	8	Conducting Behavioural Safety Observations on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Safe Working Procedure 32.01, 62043602CHSAS 180014.3.1, 4.5.3	
		17	Driving through a herd of cattle	17	Damage to vehicle	Safety	Contractors	Daily	Cattle threatened or fighting or charging	Eskom Telecommunications/ Principal Contractor	N	Possible damage to vehicle or injury	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	3	4	6	F	Continued Contractor Monitoring	3	1	6	Conducting Behavioural Safety Observations on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, 32-003, CHSAS 180014.3.1, 4.5.3	
		18	Working/Driving in snow	18	Adverse road conditions, hypothermia,	Safety & Health	Contractors	Daily	Snow covered roads, being stuck in snow	Eskom Telecommunications/ Principal Contractor	N	Possible damage to vehicle and/or injury/fatality	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	2	4	6	F	Continued Contractor Monitoring	2	3	6	Conducting Behavioural Safety Observations on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, 32-001, CHSAS 180014.3.1, 4.5.3	
		19	Travelling in areas where there are potholes	19	Loss of control of the vehicle	Safety	Contractors	Monthly	Protections throwing stones	Eskom Telecommunications/ Principal Contractor	N	Possible damage to vehicle and/or injury/fatality	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	4	4	6	P	Continued Contractor Monitoring	4	2	8	Conducting Behavioural Safety Observations on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, 32-003, CHSAS 180014.3.1, 4.5.3	
		20	Driving below the bridges	20	Loss of control of the vehicle	Safety	Contractors	Daily	crane related activities, being caught off guard, Objects thrown from the top of the bridge	Eskom Telecommunications/ Principal Contractor	N	Possible damage to vehicle and/or injury/fatality	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	5	6	P	Continued Contractor Monitoring	4	2	8	Conducting Behavioural Safety Observations on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, 32-001, CHSAS 180014.3.1, 4.5.3	
		Towed by air (blow)	1	Terrorists attacks	1	In-flight attack / In-jacking by criminal suspects	Safety	Contractors	Adhoc and rarely	Isomol related activities	Eskom Telecommunications/ Principal Contractor	Non Routine	Injury/fatality of passengers	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	5	6	P	Continued Contractor Monitoring	4	2	8	Conducting Behavioural Safety Observations on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Risk Assessment Procedure, 32-002, CHSAS Aviation A3
			2	Emergency landing	2	Poor weather conditions (Bad weather) or Mechanical failure, Snow / Lightning / Poor visibility / Change in the current e.g. by hail,	Safety	Contractors	Adhoc	Bad weather / Mechanical failure	Eskom Telecommunications/ Principal Contractor	Non Routine	Injury/fatality of passengers	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	5	6	P	Continued Contractor Monitoring	4	2	8	Conducting Behavioural Safety Observations on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Risk Assessment Procedure, 32-002, CHSAS Aviation A3
		Towing	1	Using incorrect vehicle	1.1	Vehicle rolling backwards	Safety	Contractors	Monthly	Lack of knowledge, negligence	Eskom Telecommunications/ Principal Contractor	N	Minor, major injury, fatality	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	3	6	P	Continued Contractor Monitoring	5	1	8	Conducting Behavioural Safety Observations on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Line 54.0, 6770004 CHSAS 180014.3.1, 4.4.4, 4.5.3
			1.2	Incompetence in towing	1.2	Incompetence in towing	Safety	Contractors	Monthly	unauthorised towing	Eskom Telecommunications/ Principal Contractor	N	Minor, major injury, fatality	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	3	6	F	Continued Contractor Monitoring	5	1	8	Conducting Behavioural Safety Observations on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, 32-001, 6770004 CHSAS 180014.3.1, 4.4.4, 4.5.3
		2	Unsafe towing practices	2	possible loss of control on the possible collision with other vehicles	Safety	Contractors	Monthly	Oversteering, lack of training or experience, incorrect towing	Eskom Telecommunications/ Principal Contractor	N	Minor, major injury, fatality	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	3	6	P	Continued Contractor Monitoring	5	1	8	Conducting Behavioural Safety Observations on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, 32-001, CHSAS 180014.3.1, 4.4.4, 4.5.3	
		Radio site Substation, Powerstation	Working at heights	1	Adverse weather conditions (blow rain, hot storm, heavy winds)	1	Slip and Fall from the Tower	Safety	Contractors	Daily	Tower which is not well placed a person to climb, strong winds may cause a person to be overexposed and panic	Eskom Telecommunications/ Principal Contractor	N	Falling may cause Major injury or fatality	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	4	6	F	Continued Contractor Monitoring	5	2	8	Conducting Behavioural Safety Observations on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor
2	Actions and conditions leading to Slip and Fall			2	Slip and Fall from the Tower	Safety	Contractors	Daily	Not wearing proper PPE, contamination, wet surfaces, lack of communication, major PPE wet surfaces, over-reaching, poor house training, Poor technical/skillset	Eskom Telecommunications/ Principal Contractor	N	Major injury or fatality	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	3	6	F	Continued Contractor Monitoring	5	2	8	Conducting Behavioural Safety Observations on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	line 46.0, line 46.7, Line 34.2, 34-001, 6770004 CHSAS 180014.3.1, 4.4.4, 4.5.3	
3	Incorrect use of PPE			3	PPE may become loose causing a fall	Safety	Contractors	Daily	PPE not comfortable, lack of experience, correct PPE not available, PPE not worn according to Specification	Eskom Telecommunications/ Principal Contractor	N	Major injury or fatality	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	3	6	F	Continued Contractor Monitoring	5	1	8	Conducting Behavioural Safety Observations on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Line 34.2, PPE Register, 6770004, CHSAS 180014.3.1, 4.4.4, 4.5.3	
4	Inadequate training			4	Possibility of falling	Safety	Contractors	Daily	Training need analysis not in place, no training plan in place, Poor training management, Not following instruction on climbing as not had the training received, Lack of knowledge on the safe use of climbing	Eskom Telecommunications/ Principal Contractor	N	Major injury or fatality	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	2	6	F	Continued Contractor Monitoring	4	2	8	Conducting Behavioural Safety Observations on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Line 46.0, Line 46.7, CHSAS 18001, Competence Training and assessment providers (32-475), Workforce management CHSAS 180014.3.1, 4.4.3, 4.5.3	
5	Medical offences			5	Possibility falling due to not being well	Safety	Contractors	Daily	Not/ inadequate health Risk Assessment in place, Not/ inadequate individual OHSAP in place, Not/ Inadequate Plan in Specification in Place	Eskom Telecommunications/ Principal Contractor	N	Major injury or fatality	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	4	2	6	F	Continued Contractor Monitoring	4	1	6	Conducting Behavioural Safety Observations on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, line 46.1, 32-004, Medical conditions, Fall prevention Plan (6770004), CHSAS 180014.3.1, 4.4.4, 4.5.3	
6	Poorly maintained Ladders (Cut Ladders)			6	Possibility of ladder breaking causing falling	Safety	Contractors	Daily	Improper use of ladders, ladders not well maintained	Eskom Telecommunications/ Principal Contractor	N	Possible Minor/ Major injury	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	3	6	F	Continued Contractor Monitoring	5	1	8	Conducting Behavioural Safety Observations on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Line 46.1, 6770004, 6770004 CHSAS 180014.3.1, 4.4.4, 4.5.3	
Working at heights	7			Exposure to Electromagnetic Radiation	7	Not knowing Radiation Protection	Health	Contractors	Daily	Working directly in front of an operating Microwave dish, participating in site which are shared with other service providers	Eskom Telecommunications/ Principal Contractor	N	Possible Occupational illness	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	2	2	6	P	Continued Contractor Monitoring	2	1	6	Conducting Behavioural Safety Observations on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, 6770004, CHSAS 180014.3.1, 4.4.4, 4.5.3
	8			Structural failure	8	Possible falling or being hit by collapsed structure and flying objects	Safety	Contractors	Daily	Structural Analysis not conducted, Poor maintenance of structure, Monitoring, Not conducting visual inspections, Not reporting visible defects	Eskom Telecommunications/ Principal Contractor	N	Major injury or fatality	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	3	6	P	Continued Contractor Monitoring	5	2	8	Conducting Behavioural Safety Observations on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Line 46.0, Line 46.10, Line 46.1, 6770004, 6770004, CHSAS 180014.3.1, 4.4.4, 4.5.3
	9			Incorrect Climbing	9	Possible Falling	Safety	Contractors	Daily	Not looking up when ascending the structure, Not completed a tower climbing, lack of communication and experience, improper connections, Not following safe working Procedures, taking shortcuts	Eskom Telecommunications/ Principal Contractor	N	Major injury or fatality	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	2	6	F	Continued Contractor Monitoring	5	1	8	Conducting Behavioural Safety Observations on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, line 46.0, Line 46.1, 6770004, CHSAS 180014.3.1, 4.4.4, 4.5.3
	10			Structure overloading	10	Possible Collapse of the Structure	Safety	Contractors	Daily	Handling too many equipment not according to weight limitations, not implementing recommendations from structure analysis results	Eskom Telecommunications/ Principal Contractor	A	Major injury or fatality or Damage to Property	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	3	6	P	Continued Contractor Monitoring	5	2	8	Conducting Behavioural Safety Observations on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, line 46.0, Line 46.10, 6770004, 6770004, CHSAS 180014.3.1, 4.4.4, 4.5.3
	11			Incorrect Equipment handling	11	Possible equipment falling which may cause the person hit or tripping those standing below the structure	Safety	Contractors	Daily	not following the correct procedures, Not competent in handling of equipment, Taking equipment, exceeding safety tolerances of handling equipment	Eskom Telecommunications/ Principal Contractor	N	Major injury or fatality or Damage to Property	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	2	6	F	Continued Contractor Monitoring	4	1	6	Conducting Behavioural Safety Observations on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Safe Working Procedure (6770004), CHSAS 180014.3.1, 4.4.4, 4.5.3
	12			Ergonomics	12	Possible body strain and twisting	Health	Contractors	Daily	Not following safe working practices, Not practicing, repetitive movements	Eskom Telecommunications/ Principal Contractor	N	Possible Occupational illness	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	3	3	6	F	Continued Contractor Monitoring	3	2	6	Conducting Behavioural Safety Observations on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Manual Handling Guidelines (6770004), CHSAS 180014.3.1, 4.4.4, 4.5.3

		10	Falling/falling objects	10	Struck by a free falling object	Safety	Contractors	Daily	Incorrect use of PPE (hard hat), ignorance, lack of training, lack of supervision, improper observation	Ekam Telecomunications/ Principal Contractor	N	Possible Injury, Fatality or Damage to property	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	3	5	F	Continued Contractor Monitoring	3	2	9	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, PPE Specification, OHSAS 18001:3.1.4.4.5, 4.3.2
		1	Adverse weather conditions (heavy rain, hot storms, heavy winds)	1	Slip and Fall (Round Level) Injury from fall	Safety	Contractors	Quarterly	Ground which is not may cause a person to slip, not can be fixed to require a person standing where there is no shelter.	Ekam Telecomunications/ Principal Contractor	N	Minor or Major Injury	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	4	3	10	F	Continued Contractor Monitoring	2	3	16	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, line 46.5, 32-408, OHSAS 18001:3.1.4.4.5, 4.3.2
		2	Incorrect use or availability of PPE	2	Accidental mishap	Safety	Contractors	Quarterly	PPE not comfortable, lack of awareness, correct PPE not available, PPE not worn according to full certification	Ekam Telecomunications/ Principal Contractor	A	Minor or Major injury or Fatality	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	3	10	F	Continued Contractor Monitoring	1	1	16	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Line 34.2, 177602/05, 177604/04, OHSAS 18001:3.1.4.4.5, 4.4.3, 4.5.3
		3	Inadequate training	3	Falling to identify Non-Conformance or otherwise action which may lead to incidents.	Safety	Contractors	Quarterly	Training need analysis not in place, no training plan in place. Poor training management. Lack of knowledge on the safe way of climbing	Ekam Telecomunications/ Principal Contractor	A	Minor and Major injuries	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	3	10	F	Continued Contractor Monitoring	4	2	19	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Line 46.5, Line 46.7, OHSAS 1801, 177602/05, 177604/04, Non-Work related activities, OHSAS 18001:3.1.4.4.5, 4.5.3
		4	Medical unfitness	4	Possibility of injuring themselves due to medical unfitness	Safety	Contractors	Quarterly	Sling/Monitoring while unfit for work	Ekam Telecomunications/ Principal Contractor	A	Possible Minor or Major injuries	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	4	2	16	F	Continued Contractor Monitoring	4	1	16	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, line 46.7, 32-524, Medical Surveillances, Fall protection Plan (FPL)1205, OHSAS 18001:3.1.4.4.5, 4.5.3
		5	Exposure to Electromagnetic Radiation	5	Non Ionising Radiation Penetrating	Health	Contractors	Daily	Working directly in front of an operating Microwave dish particularly in which are shield with other service providers	Ekam Telecomunications/ Principal Contractor	A	Possible Occupational Illness	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	2	2	10	F	Continued Contractor Monitoring	2	1	10	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, 17761301, OHSAS 18001:3.1.4.4.5, 4.5.3
		6	Structural Failure	6	Possible falling or being hit by collapsed structure and flying objects	Safety	Contractors	Daily	Structural analysis not conducted. Poor maintenance of structure. Insufficient. Not conducting visual inspections, not reporting visible defects	Ekam Telecomunications/ Principal Contractor	A	Major injury or Fatality	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	3	10	F	Continued Contractor Monitoring	1	2	16	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Line 46.5, Line 46.10, Line 46.12, 177602/05, 177604/04, OHSAS 18001:3.1.4.4.5, 4.5.3
		7	Ergonomics	7	Possible body strain and twisting	Health	Contractors	Daily	Not following safe working procedures at heights, awkward, fast motions, repetitive movements	Ekam Telecomunications/ Principal Contractor	N	Possible Occupational Illness	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	3	3	10	F	Continued Contractor Monitoring	1	2	16	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Manual Handling Guidelines (177602/05), OHSAS 18001:3.1.4.4.5, 4.5.3
		8	Falling objects	8	Head injuries	Safety	Contractors	Daily	Not following safe working procedure	Ekam Telecomunications/ Principal Contractor	A	Major injury or Fatality	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	3	10	F	Continued Contractor Monitoring	4	2	16	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Work at Heights, 177602/05, OHSAS 18001:3.1.4.4.5, 4.5.3
		1	Actions and Conditions leading to: Hiking, kidnapping, robbery, assault, rape	1	Possible attacks, gun, knives, trauma, being shot	Safety	Contractors	Daily	No security, staying alone at night, alone	Ekam Telecomunications/ Principal Contractor	N	Possible injury or fatality	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	4	10	F	Continued Contractor Monitoring	5	3	14	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Site access procedure, 177602/05, OHSAS 18001:3.1.4.4.5, 4.5.3
		2	Poor Road Conditions	2	Vehicle losing control	Safety	Contractors	Daily	Lack of road maintenance, adverse weather conditions, poor road construction, inappropriate driving in bad weather	Ekam Telecomunications/ Principal Contractor	N	Possible MVA which may lead to injury or fatality	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	4	3	10	F	Continued Contractor Monitoring	4	2	16	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, 32-525, Safe travelling procedure (16-126)06, OHSAS 18001:3.1.4.4.5
		3	Exposure to Rupture/Insects/Rattles	3	Possible viruses, bites and stings	Safety	Contractors	Daily	Location of the site, poor site maintenance, several dangers	Ekam Telecomunications/ Principal Contractor	N	Possible serious bites and stings which may lead to Occupational Illness or fatality	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	4	10	F	Continued Contractor Monitoring	4	2	16	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Emergency Plan, use of first aid kit, stings and bites kit, OHSAS 18001:3.1.4.4.5
		4	Actions and conditions leading to: Vandalism	4	Possible burns or Smoke inhalation	Health	Contractors	Daily	Lighting, strong winds, equipment failure, electric short circuit	Ekam Telecomunications/ Principal Contractor	N	Possible injury or fatality	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	4	10	F	Continued Contractor Monitoring	4	2	16	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Emergency Preparedness Procedure (177602/05), Incident Management Procedure (177602/05), OHSAS 18001:3.1.4.4.5
		5	Actions and conditions leading to: Vandalism	5	Thief, vandals, public injury	Safety	Contractors	Daily	Location of the site, vulnerabilities, No security at site	Ekam Telecomunications/ Principal Contractor	N	Possible public injury or Damage to Property	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	3	2	10	F	Continued Contractor Monitoring	2	2	10	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Site access Procedure (177602/05), Incident Management Procedure (177602/05), OHSAS 18001:3.1.4.4.5
		6	Incident (Firing and Loading	6	Body strain and muscle pain	Safety	Contractors	Daily	Improper position, incorrect manual handling, incorrect lifting techniques, lack of awareness, ergonomics, lack of SOPs, Lack of proper lifting equipment	Ekam Telecomunications/ Principal Contractor	N	Possible injury and occupational illness	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	3	3	10	F	Continued Contractor Monitoring	2	2	10	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, 32-525, Manual Handling Guidelines (177602/05), OHSAS 18001:3.1.4.4.5
		7	Ergonomics	7	Body strain and muscle pain	Health	Contractors	Daily	Poor design, lack of awareness, awkward postures when lifting	Ekam Telecomunications/ Principal Contractor	N	Possible injury or illness	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	3	3	10	F	Continued Contractor Monitoring	2	1	10	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Manual Handling Guidelines (177602/05), OHSAS 18001:3.1.4.4.5
		8	Incompetence in the use of equipment	8	Possible Probs, Stabbing, and punctures	Safety	Contractors	Daily	Lack of knowledge in equipment assembly	Ekam Telecomunications/ Principal Contractor	N	Possible Injury	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	4	3	10	F	Continued Contractor Monitoring	3	2	16	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, OHSAS 18001, Equipment maintenance procedure (177602/05), OHSAS 18001:3.1.4.4.5
		9	Use of Faulty Equipment	9	Possible electrical Shock	Safety	Contractors	Daily	Poor maintenance, no calibration, no inspection, poor quality of equipment from the supplier	Ekam Telecomunications/ Principal Contractor	N	Possible Injury	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	3	3	10	F	Continued Contractor Monitoring	2	2	10	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, 32-525, OHSAS 18001:3.1.4.4.5
		1	Actions and Conditions leading to: Electrocuting	1	Possible Electrocuting	Safety	Contractors	Daily	Not following Operating Regulations for High Voltage System (OHSAS), Non-Adherence to LSA Safety Rule (Phone to work)	Ekam Telecomunications/ Principal Contractor	N	Possible injury or fatality	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	3	10	F	Continued Contractor Monitoring	3	1	10	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Life Saving Rules, OHSAS 18001:3.1.4.4.5
		2	Actions and Conditions leading to: Explosion	2	Possible explosion	Safety	Contractors	Daily	Equipment failure, not following SOPs, electric short	Ekam Telecomunications/ Principal Contractor	N	Possible injury or fatality	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	3	10	F	Continued Contractor Monitoring	5	2	16	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, 346-9300201, OHSAS 18001:3.1.4.4.5
		3	Actions and Conditions leading to: Fire	3	Possible burns	Safety	Contractors	Daily	Equipment failure, not following SOPs, electric short	Ekam Telecomunications/ Principal Contractor	N	Possible injury or fatality	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	4	10	F	Continued Contractor Monitoring	4	2	16	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Line 46.5, Line 346-9300201, OHSAS 18001:3.1.4.4.5
		4	Actions and Conditions leading to: Vandal free	4	Possible burns or smoke inhalation	Safety & Health	Contractors	Daily	Smoking, Breathing poor yield equipment, no fire detection, extremely hot weather	Ekam Telecomunications/ Principal Contractor	N	Possible Injury, illness or fatality	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety Plan and continued contractor monitoring	5	4	10	F	Continued Contractor Monitoring	4	2	16	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Line 46.5, Line 46.10, Line 46.12, 177602/05, OHSAS 18001:3.1.4.4.5, 4.5.3

Radio site Substation Powerstation	Material handling	1	Incorrect Storage and Stacking	1	Equipment falling	Safety	Contractors	Daily	Incorrect checking. No following SOP's. No supervision, no monitoring of items. Not wearing Safety Boots in the stores	Estcom Telecommunications/ Principal Contractor	N	Possible Injury	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety files and continued contractor monitoring	3	3	18	F	Continued Contractor Monitoring	2	1	18	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Line 34.50, ETRM 1000 Working Practices and checking approximately: DMS4, DMS5, 3.1, 4.1, 5.1
		2	Poor Housekeeping	2	Risk of fire	Safety	Contractors	Daily	Poor housekeeping, poor waste management, not following SOP's. No proper storage area	Estcom Telecommunications/ Principal Contractor	N	Possible Injury	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety files and continued contractor monitoring	3	3	18	F	Continued Contractor Monitoring	3	1	18	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 33.3, Line 40.3, DMS4, DMS5, 3.1, 4.1, 5.1
		3	Unhygienic Conditions	3	Possible infections from bacterial contamination and Rodent infestation	Health	Contractors	Daily	Inadequate cleaning. Poor waste management	Estcom Telecommunications/ Principal Contractor	N	Possible Occupational Illness	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety files and continued contractor monitoring	2	3	18	F	Continued Contractor Monitoring	2	1	18	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 33.3, Line 40.3, SRE-mp Inspection form ETRM 1000, ETRM 1000 Hygiene Facilities Inspection, 3.1-3.5, DMS4, DMS5, 3.1, 4.1, 5.1
		4	Conditions leading to trips and falls	4	Trips and falls	Safety	Contractors	Daily	Items placed on the walkways causing an obstruction	Estcom Telecommunications/ Principal Contractor	N	Possible Injury	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety files and continued contractor monitoring	4	3	18	F	Continued Contractor Monitoring	3	2	18	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 32.3, Line 40.3, SRE-mp Inspection form ETRM 1000, ETRM 1000, 3.1-3.5, DMS4, DMS5, 3.1, 4.1, 5.1
		5	Poor Lighting	5	Possible falling from not seeing properly	Safety	Contractors	Daily	Area not well lit	Estcom Telecommunications/ Principal Contractor	N	Possible Injury	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety files and continued contractor monitoring	2	2	18	F	Continued Contractor Monitoring	2	1	18	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 33.3, Line 40.3, DMS4, DMS5, 3.1, 4.1, 5.1
		6	Poor Ventilation	6	Poor indoor air quality	Health	Contractors	Daily	No free circulation of clean air. No regular maintenance done on the whole system. A/c not working properly. No monitoring done on the system, no regular checks done	Estcom Telecommunications/ Principal Contractor	N	Possible Occupational Illness	Contractor Management through issuing of health and safety specifications, evaluation and approval of Health and Safety files and continued contractor monitoring	2	3	18	F	Continued Contractor Monitoring	2	1	18	Conducting Behavioural Safety Observation on an as and when required basis, contractor site audits and inspections	Telecommunications Principal Contractor	Line 33.3, Line 40.3, Occupational Hygiene Programme, DMS4, DMS5, 3.1, 4.1, 5.1

