EDINBURGH TRAM PROJECT

Risk Allocation Report

Current Period End 13-Oct-07

Sim Run P90 1A+1B 53208.72 £k

Risk Mean Sum 40513.44 £k

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1.1 Land & Property	6		tie required to assume asset management role during and following construction	Increased legal and management costs to deal with change. Delay to construction programme.	20.00%	50	100	200	22.40	29.42	23.83
1.1 Land & Property	9	Reclassification of land	Land reclassification changes value	Reclassification of land increases value/ cost of land.	10.00%	1000		1000	100.00	131.34	107.70
1.1 Land & Property	10	Costs of obtaining access rights are unknown	Cost associated with obtaining wayleaves		40.00%	50	200	500	101.19	132.89	112.96
7.3 Infraco	11	Contractors methodology not adequately assessed	Land required for access to workfront not acquired		20.00%	300		300	60.00	78.80	78.80
7.2 MUDFA/Utilities	21	Design constraints e.g. presence of other utilities, proximity of LoD boundary, diversion technical requirements etc.	Design requires that Utilities are diverted outside of LoD	Additional design; additional land purchase required and consequent contact with landowners; design may result in increased work quantities due to extent of diversions; potential increased duration of works.	80.00%	100	250	500	228.36	299.92	233.94
7.3 Infraco	22	Base estimate does not account for presence of hazardous materials on land	Hazardous materials encountered during construction	Additional treatment costs and protective measures	50.00%	100	400	2000	414.98	545.02	512.31
1.1 Land & Property	26	Protracted negotiation, additional claims, late acquisitions or late claims in relation to land and property	Use of legal advisors required beyond current budget	Legal/ advisor budget may be exceeded	25.00%	100		100	25.00	32.83	26.60
2 PROCUREMENT CONSULTANT	44	SDS contractor does not deliver the required prior approval consents before novation		Delay to programme with additional resource costs and delay to infraco. procurement. Impact upon risk balance.	50.00%	900	1800	2700	901.92	1184.55	1184.55
7.3 Infraco	47	Poor design and review processes; cumbersome approvals process; reiterative design/approvals process.		Increase in price and time delay in the Infraco contract; Infraco could end up delay to commencement or with utility diversion and would have to price for or have to carry out unplanned re-sequencing; Claims from MUDFA as a result of being unable to proceed with works.	50.00%	400	2400	4800	1,267.08	1664.13	1664.13
7.3 Infraco	48	Two stage tender pricing does not achieve price certainty for works at first stage. Bidder may attempt to price low at first stage and subsequently try to capitalise on changes and/or delay.	Price certainty is not achieved	Price creep post tender (during pre- construction period). Tender evaluation period exceeds 2 months currently planned.	50.00%	5000	10000	15000	4,980.74	6541.50	6214.43
7.3 Infraco	54	Contractor default e.g. insolvency.	Construction bond not available in the event of Infraco default	Increase in cost and progeamme due to appointment of replacement contractor	1.00%	0	3300	6300	31.63	41.55	32.41
2.1 tie Resources	58	Poor performance (quality) by Infraco during construction; poor materials; latent defects	Infraco fails to deliver construction quality; latent defects occur during or after Infraco maintenance period	Rework, stakeholder criticism, negative PR, programme delay if quality issue occurs during construction, operations affected by rework, project management costs to deal with issues	10.00%	25	000000000000000000000000000000000000000	100	6.52	8.57	6.68
7.3 Infraco	66	Infraco and Tram systems not compatible and/or contracts not aligned.	Inadequate system integration	Time delay and interface problems between specialist contractors / sub systems.	50.00%	0	1000	3000	678.82	891.53	695.40
7.3 Infraco	67	Interface with CEC as roads authority	Roads maintenance is not carried out	CEC is in breach of its statutory duties	20.00%	100	250	500	56.51	74.21	74.21
7.3 Infraco	68	Interface with Transdev	Supply of commissioning services from Transdev to Infraco.	Delay and costs incurred by Infraco.	1.00%	0	1000	3000	14.93	19.61	19.61

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7.3 Infraco	70	SDS does not provide its defined deliverables (technical specs) in accordance with the SDS contract. Infraco Proposals not fully considered.	Poor definition of design and Employers Requirements in Infraco tender documents	Creates impact on the Infraco ability to develop its tender - pricing and supply chain. Increase in time for BAFO and increase in costs. Increase in bidder queries.	50.00%	900	1800	2700	907.18	1191.46	1191.46
7.4 Tramco	71	Inadequate definition of availability, reliability and maintainability requirements	Unclear scope of desired performance levels.	Increased capex investment is necessary.	30.00%	0	250	500	74.63	98.01	76.45
2 PROCUREMENT CONSULTANT	76	Introduction of TEL as client	Change of client during works	Delay and cost during re-negotiation of DPOF contract and additional approvals process	5.00%	12.5		12.5	0.63	0.82	0.60
7.4 Tramco	97	Problems with tram supplier (industrial relations, financial problems etc)	Delay in supply of vehicles - 1A	Time delay to operations, costs relating procurement of replacement manufacturer	25.00%	0	260	450	59.52	78.18	68.01
7.4 Tramco	98	Problems with tram supplier (industrial relations, financial problems etc)	Delay in supply of vehicles - 1B	Time delay to operations, costs relating procurement of replacement manufacturer	25.00%	0	240	400	53.04	69.67	60.61
7.3 Infraco	100	3rd party agreements impact on works not accounted for in estimate/ become apparent during construction	Increase in fencing, walls, screen requirements	Additional construction costs	30.00%	60	120	240	42.66	56.03	56.03
3 DESIGN	102	Change in Design Kinematic Envelope requirements	Detail design leads to kinematic envelope impact on vertical and horizontal alignment	Realignment of track to accommodate an increased 3 dimensional safe zone around the preferred route	50.00%	0	500	3250	645.44	847.70	847.70
7.3 Infraco	103	Delay in design information release from specialist tram manufacturer	Delay in detailing of stops, trackway, OLE etc for Phase 1A	Time delay and consequent costs	30.00%	0	225	750	97.55	128.11	99.93
3 DESIGN	104		Delay in detailing of stops, trackway, OLE etc for Phase 1B	Time delay and consequent costs	30.00%	0	25	83	10.96	14.39	14.39
7.3 Infraco	105	Encountering archaeological finds/burials/munitions during construction	Exhumation of archaeological finds/burials	Delay in construction programme	85.00%	0	150	500	183.98	241.64	195.72
7.3 Infraco	115	Network Rail cancels planned possessions	Planned work at interface with Network Rail is delayed	Time delay and resulting cost increase	10.00%	350	750	2000	107.84	141.64	141.64
7.3 Infraco	132	Q.*	Increase in off-route junction improvements, certain junctions requiring realignment of kerbs etc	Increase in design costs.	80.00%	0	250	500	197.48	259.36	0.00
7.3 Infraco	134	Network Rail possessions over and above that estimate are required	Compensation paid to Train Operating Companies	Increased compensation paid to Train Operating Companies	5.00%	500	2000	4000	100.99	132.63	96.82
7.2 MUDFA/Utilities	139		Uncertainty of Utilities location and consequently required diversion work/ unforeseen utility services within LoD	Increase in MUDFA costs or delays as a result of carrying out more diversions than estimated	90.00%	0		4000	1,794.00	2356.16	2049.86
7.4 Tramco	142	Base estimate allows only for minimum on-board supervisory and comms equipment.	Specification for on-board and supervisory equipment has not been established for Trams on Phase 1A.	A high specification is required for on-board supervisory and comms equipment.	1 50.00%	0	75	675	129.46	170.03	170.03
7.4 Tramco	143	Base estimate allows only for minimum on-board supervisory and comms equipment.	Specification for on-board and supervisory equipment has not been established for Trams on Phase 1B.	A high specification is required for on-board supervisory and comms equipment.	1 50.00%	0	25	100	20.58	27.03	18.38
7.3 Infraco	150	Blackspots for radio/mobile communications	Geographic areas where radio/mobile communications cannot obtain signal	Additional remedial equipment required e.g repeater masts, booster packs etc	. 50.00%	0		10	2.40	3.15	2.99
7.4 Tramco	155	Increase in specification over and above assumptions in base estimate regarding equipment and quality specification for tram vehicles	Business case runtime and CEC requirements (change in equipment and quality specification)	Increased cost of tramsets	20.00%	160	270	600	66.30	87.07	70.53
3 DESIGN	162	Land is not acquired yet	Gaining access to land prior to purchase for advanced works	Increased management costs and delays to design	10.00%	0		30	1.49	1.96	1.96

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7.2 MUDFA/Utilities	164	The state of the s	Unknown or abandoned assets or unforeseen/contaminated ground conditions affect scope of MUDFA work.	Re-design and delay as investigation takes place and solution implemented; Increase in Capex cost as a result of additional works.	95.00%	2000	5000	8500	4,920.46	6462.33	6462.33
7.3 Infraco	167	Long/ inaccurate lead times on various materials especially steel and copper.	Contractor specialist materials procurement problems	Programme delay and assumed output not possible	50.00%	0		200	49.18	64.59	58.13
1 GENERAL/OVERALL	169	Concurrent major projects in Edinburgh	Other major projects in Edinburgh interface with Tram	Delay in sequence in certain areas, Additional interface project management costs.	50.00%	0		100	24.48	32.15	32.15
7.3 Infraco	172	Area of possible contamination and unstable ground (unlicensed tip) has been highlighted during desk study immediately to east of Gogar Burn - investigation for CERT project indicates that this consists of building rubble and domestic waste.	Tramway runs through area of possible contamination and special foundation is required to cope with unstable ground	Increase in costs to provide special	95.00%	100	200	300	189.64	249.07	216.69
7.3 Infraco	173	Uncertainty over extent of contaminated land on route	Tramway runs through area of previously unidentified contamination and material requires to be removed and replaced (dig and dump).	Increase in costs to remove material to special and other tip.	2.50%	1368		8208	107.15	140.73	140.73
7.3 Infraco	177	Unforeseen external events impact on Construction	InfraCo seeks compensation as a result of external events having an impact on Construction	Legal costs and compensation costs for events not agreed in contract	30.00%	0	25	50	7.31	9.61	9.61
7.3 Infraco	178		Infraco due diligence process reveals that design rework will be required after novation of SDS.	Bids will be higher than envisaged in base estimate as Infraco will price for re-work.	75.00%		500		375.00	492.51	492.51
7.3 Infraco	182	Unusually adverse weather conditions	Delay in Infraco construction programme as a result of exceptional weather conditions	Contractor claims for delay in construction programme	50.00%	500		1000	376.53	494.52	494.52
7.3 Infraco	205	Network Rail issue new Group and Company Standards during construction. Design and construction is aligned to current Network Rail Group and Company Standards.		New standards require to be adopted resulting in re-design, delay and increased construction cost.	20.00%	0		150	14.84	19.50	19.50
7.3 Infraco	244	Inadequate provision for people with disabilities	People with disabilities are unable to access Tram Service	Breach of DDA legislation, costs to rectify and negative PR	17.50%	0		25	2.24	2.94	2.56
5 PALIAMENTARY PROCESS/ APPROVALS	271			Delay and disruption to Infraco programme	80.00%	750	750	1000	665.74	874.36	874.36
7.3 Infraco	279		Third party consents including Network Rail, CEC Planning, CEC Roads Department, Historic Scotland, Building Fixing Owner consent is denied or delayed	Delay to programme; Risk transfer response by bidders is to return risk to tie; Increased out-turn cost if transferred and also as a result of any delay due to inflation.	50.00%		1250	0.0000000000000000000000000000000000000	625.00	820.85	820.85
4.3 Business Case	294	Traffic model identifies areas where design is not compatible with efficient transport network operations.	Final Design impacts negatively on Final Business Case	Could be negative implications on Tram final business case. Potential to negatively impact BCR	20.00%	100		500	58.79	77.22	62.54
7.3 Infraco	302	Steel shortage due to global demand and ongoing Corus transfer of rail production facility	Delay or price increase due to steel shortage	Long lead times, additional cost due to inflation, programme delay.	40.00%	500		1000	303.28	398.31	398.31

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7.3 Infraco	303	Proximity in time and space to other works within Edinburgh	Third party works in Edinburgh impact on Tram infrastructure construction	CEC may limit the number of workfronts allowed; programme re-sequencing; slower overall construction rate; effective increase in preliminaries; overall programme delay		100		500	120.60	158.39	158.39
7.3 Infraco	304	, , , ,	Utilities (diverted by MUDFA or left in place) are found to be in the path of infrastructure works at time of construction	Additional utilities diversions are required to be undertaken by Infraco with additional cost and programme impacts	20.00%	0		25	2.46	3.23	3.23
7.3 Infraco	318	Failure to make arrangements with Utilities for the phasing of necessary connections; Utility Company operational constraints	Utility connections cannot proceed as planned	Potential delay to start of Infraco works in certain sections	50.00%	100		500	149.76	196.69	153.42
7.4 Tramco	319	Trams are not compatiable and interoperable with each other and other parts of the system	Trams found to be incompatible during commisisoning	Delay to commissioning, costs to deal with issue	10.00%	0		50	2.62	3.44	3.44
3 DESIGN	336	Adeqaute scope and extent of noise and vibration prevention measures/requirements are not provided to SDS; Specifications relating o Tram noise provided by Tramco are optimistic.	Design assumptions lead to Tram noise and vibration measures being inadequate during operation	Tram design requires to be re-worked; Pos contruction elements need to be adjusted or re-constructed or additional noise and vibration measures need to be incorporated.	t 10.00%	100		1000	58.84	77.27	77.27
2 PROCUREMENT CONSULTANT	337	Unsuccessful tenderer challenges procurement process (Tramco or Infraco)	OJEU procurement process is challenged	Possible retender; Delays; Legals costs to deal with challenge	20.00%	0		100	9.94	13.05	13.05
7.2 MUDFA/Utilities	342	Tram alignment at A8 crossing at Gogar co-incides BT data nests/cable (main coms link between Glasgow and Edinburgh)	A8 crossing tunnel requires special design or BT data nest/cables require to be moved	Capex cost to cover BT data nest/cable move; additional design costs; delay while works to undertake move are carried out; additional tunnelling costs.	50.00%	1000		1500	625.90	822.03	698.73
1.7 Miscellaneous	343	General delay to programme with various causes e.g. failure to obtain approvals on time; parliamentary processes, delays due to lack of prioritisation of BAA agreement with new owners	Delay to completion of project	Inflation at 5% causes increased out-turn cost due to delay plus revenue loss	20.00%	5900	15200	22600	2,913.55	3826.54	3252.56
7.4 Tramco	351	Depot not completed on time	Trams are manufacturered but Depot unavailable to take	:	50.00%	100	300	600	166.07	218.11	218.11
1.1 Land & Property	352	Increase in land values	delivery Higher land compensation claims than anticipated	storage costs Additional uplift on compensation claims	70.00%	0		5750	2,025.04	2659.61	2659.61
1.1 Land & Property	354	Land and property values experience a net reduction in value as a result of the introduction of the Tram	Part 1 Claims for land and property - (Noise and Vibration)	Possible successful claims resulting in increased costs to project with impact after construction	50.00%	0		3300	792.74	1041.15	1041.15
1.1 Land & Property	357	Landowner disagrees with District Valuer s Assessment of land value and submits a Certificate of Appropriate Alternative Development - Plot 322	Submission of CAAD Claim for Plot 322	Increase in land value for plot	10.00%		375		37.50	49.25	42.85
1.1 Land & Property	358	Landowner disagrees with District Valuer s Assessment of land value and submits a Certificate of Appropriate Alternative Development - Plot 327	Submission of CAAD Claim for plot 327	Increase in land value for plot	10.00%		375		37.50	49.25	49.25
4.0 Detailed Design	861	Lack of capacity in existing surface water outfalls	Drainage proposals cannot be provided cost efficiently	New surface water drainage required outwith existing land or potential to prevent project from going ahead	2.50%		12.5		0.31	0.41	0.41
7.3 Infraco	865	Buildings contain asbestos that was not uncovered during surveys	Asbestos found during demolition works and excavations for construction	Cost and delay during investigation and removal	90.00%	60		150	94.59	124.23	124.23

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7.1.1 Invasive Species	869	Surveying team unable to obtain access to Network Rail, BAA and other privately owned land because they were not cleared to access this land (including PTS).	•	Underestimating the extent of works; leads to an increase in cost	17.50%		20		3.50	4.60	4.60
7.3 Infraco	870	SDS Designs are late and do not provide detail Infraco requires	Infraco does not have detail to achieve contract close	Delay to due diligence and start on site and need to appoint aditional design consultants	94.50%		3000		2835.06	3723.45	2904.29
7.1.3 Depot	876	Agreement with SEPA fo use Gravity Drain Proposal	Gravity Drain Proposal	Cost & time saving	79.50%	\$	12.5		9.94	13.05	13.05
7.1.2 Badger Relocation	883			Delay in accessing land to construct Tram works and hence in Programme	17.50%	0		25	2.19	2.87	2.87
2.2 Transdev	888	does not meet Transdev requirements and gain approval from the ROGS		Delay to comencement of service, additional cost both for delay and rectification of the issue	5.00%	3000		6000	222.10	291.70	291.70
2.9 TEL	889	Unsuccessful negotiation. TEL believes costs inflated too much.	Target operating costs for Phase D are not agreed.	TEL Business Case becomes undeliverable. Potential to undertake Dispute Resolution to gain agreement.	1.00%		300		3.00	3.94	3.07
2.2 Transdev	890	DPOFA amendment is not fully negotiated	Key performance indicators for DPOFA are not agreed	In absence of KPIs, would have to refer to Dispute Resolution to resolve issues.	2.50%		300		7.50	9.85	9.85
2.9 TEL	893	VE process concentrates on reducing Capex to the detriment of Opex	VE Process makes TEL Business Case undeliverable	TEL Business Case becomes les undeliverable	20.00%		300		60.00	78.80	58.31
7.1.2 Badger Relocation	894	Ineffective/Inappropriate Proposals; new setts must be built before old ones can be closed and licenses will not be issued until nearer time of closure; animals must have settled in new home before closure of old one can take place	Roseburn Badger Proposals for closure of old setts not approved by SNH	Delay in accessing land to construct Tram works and hence in Programme	17.50%	0		25	2.19	2.88	2.88
7.4 Tramco	899		Inability to determine and sign off aeshetic requirements for Tram	Programme delay in finalising design; potential cost impacts	20.00%	0	250	500	48.99	64.34	0.00
7.4 Tramco	900	SDS & Infraco procurement not familiar with chosen tram reqts	Depot design is not compatible with tram	Programme delay whilst Infraco modify Depot; Performance risk on Tramco TMA	15.00%	10	250	500	41.63	54.67	54.67
7.4 Tramco	905	Not controlled by Project	Tramco Insolvency without bale-out or acquisition	Trams are not delivered;legal costs;delay	1.00%		25000		253.96	333.54	260.16
7.4 Tramco	906	Currency fluctation Euro/Sterling	Tramco pricing risk between now and awarding contract	price may go up/down	5.00%	0	1500	3000	67.20	88.26	75.02
7.2 MUDFA/Utilities	911	Scottish Power own and maintain a cable tunnel in the vicinity of Leith Walk that may or may not interfere with Tram construction and operation; exact location and depth of tunnel is unknown; condition of tunnel is unknown.		Tunnel may have to be decommissioned and re-laid in a more suitable location; tram alignment may require to be adjusted; special foundation soluiton e.g. cantilever may be required; increased capex; potentia for tunnel collapse during operation and consequent disruption for tram.	80.00%	400	500	600	399.44	524.61	524.61

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7.2 MUDFA/Utilities	914	turnaround time does not reflect SUC	Statutory Utility Companies unable to meet design approval/acceptance turnaround time to meet programme	Additional period required for design approval/acceptance turnaround	95.00%		880			836.00	1097.97	1097.9
7.3 Infraco	931		Unknown or abandoned assets impacts scope of Infraco work	Re-design and delay as investigation takes place and solution implemented; Increase in Capex cost as a result of additional works.	90.00%	500		1	000	673.85	885.01	885.0 ⁻
1.3.1 NR Immunisation Project	932			Network Rail design their works inappropriately for final Tram requirements; Network Rail are unable to complete their design in time to meet programme; Cost to change design; Delay during redesign; Final works are not suitable and consequently Tram cannot be commissioned to programme.	5.00%	100		5	00	14.81	19.45	19.45
1.3.1 NR Immunisation Project	935		Network Rail do not deliver the immunisation works before the drop dead date of October 2009.	Tram cannot be commissioned to programme; Critical delay.	80.00%	100		5	00	238.72	313.53	313.50
7.3 Infraco	952		on road network relating to Wide Area Modelling issues.	Potential claim from SDS to deal with additional design work; Potential construction costs to deal with WAM issues (difficult to quantify without design) over and above those already included.	95.00%	0		2	500	1,178.29	1547.51	1547.5
11.1 Construction	964	Prevarication over scope of project	Delay to start of work thereby jeopardising funding	Funding cannot be realised from SEStran and CEC to complete project	2.50%	62.5	62.5	6	2.5	1.56	2.05	2.0
7.1.3 Depot	974	Innacurate Topo Survey results	Increase in levels of Spoil Excavation	Increased Cost & Programme extension	25.00%	100	300	5	00	76.47	100.44	100.4
5 PALIAMENTARY PROCESS/ APPROVALS	977	Absence of signed-off final design. Legal challenge. Extension of statutory consultation process. Large number of objections. TRO process is subject to a public hearing process.	Delay in achievement of permanent TROs causing delay to project	Requirement to start construction using TTROs	70.00%		3000			2100.60	2758.84	2758.8
5 PALIAMENTARY PROCESS/ APPROVALS	980	case put forward for change / SNP	Tram core measures is unsuccessful thereby triggering public hearings	Delay to date by which TROs can be made increasing difficulty of managing the gap period between Infraco commemcement and the date of the TROs being made. Impact (yet to be assessed) on project costs.	50.00%		1500			750.00	985.02	985.0
7.1.3 Depot	981		Increase in the Lothian Valuation Joint Board rateable value of the spoil site	New Landfill site will have to be found and agreements reached. Possibility of increased costs	80.00%	0	25	5	0	19.70	25.88	21.22
TIE Ltd	982		All five TROs are subject to public hearings and there is no allowance for this in the base estimate	Additional cost; Delay to project	50.00%	0	400	1	000	232.74	305.67	305.67

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4.3 Business Case	983		All five TROs are subject to public hearings	Additional cost of up to £1m	50.00%	750	750	750	375.00	492.51	492.51
5 PALIAMENTARY PROCESS APPROVALS	s/ 986	Inadequate information supplied by tie.	CEC failure to sign legal agreement - legal oficer level	Delay to commencement of contract	17.50%	2000	2500	3000	438.04	575.30	575.30
Ingliston Park and Ride	988	CEC want existing EARL side agreemenent amended to allow for future carpark and land	CEC do not approve award of P&R contract	Existing funding which must be spent before 31/03/08 could be lost due to delay in awarding contract	2.50%	0	400	1600	17.13	22.49	22.49
5 PALIAMENTARY PROCESS APPROVALS	s/ 989	tie fail to provide CEC with all relevant and necessary information in a timeous manner. tie fail to follow agreed protocols.		Delay to project. Increased financial liability. Impact on quality.	50.00%	500	750	1000	375.61	493.31	493.31
5 PALIAMENTARY PROCESS APPROVALS	6/ 990	. •	CEC carry financial impact of uncertified designs provided to Infraco	Modifications required to the designs post- contract award resulting in additional costs	50.00%	500	750	1000	374.47	491.82	398.37
11.1 Construction	993	Due to a terrorism event relating to Edinburgh Airport or due to the mitigation of the risk of such an event occuring traffic restrictions introduced in the vicinity of the airport cause unacceptable delays for vehicles accessing and exiting from the site		Delays to construction vehicles could have impact on completion date and cost of construction, delays for car park users or buses could detract from usefulness and viability of facility	2.50%		12.5		0.31	0.41	0.41
11.1 Construction	994		Additional time or cost could be incurred in relation to the street lighting works	Compiance with their requireemnts may incur abortive works resulting in additional cost and delay to programme	17.50%		12.5		2.19	2.87	2.87
7.3 Infraco	1003		Failure to liaise with any party, as reasonably required, to produce information required so that the Infraco Works can be progressed properly, according to Programme and in accordance with the Infraco Contract	Delay to project and additional costs	10.00%		500		50.00	65.67	65.67
7.3 Infraco	1006		Failure to comply with the Submittal Programme timescales	Delay and additional costs	50.00%		50		25.00	32.83	32.83
7.3 Infraco	1007		Introduction of alternative Submittal Programme where tie cannot comply with the original programme (not arising from Infraco default)	Delay	10.00%		500		50.00	65.67	65.67
7.3 Infraco	1009			Delay to project	5.00%		1000		50.00	65.67	65.67
7.3 Infraco	1010		Occurrence of termination or omission of Infraco Works if permission to resume not granted by tie within 6 months	Project suspension or cancellation	1.00%		10000		102.97	135.24	135.24
7.3 Infraco	1011		Occurrence of any delay caused by Utilities Works, MUDFA Works, breach of Third Party Agreements, Unplanned City Events, New Utilities and/or any other event referred to as a Compensation Event	Delay and additional cost	40.00%		1000		400.00	525.34	525.34
7.3 Infraco	1012		Occurrence of any referable delay/costs caused by suspension by ties Representative		1.00%		1000		10.00	13.13	13.13
7.3 Infraco	1013		Indirect Losses sustained in by Third Parties claiming against tie or Infraco or because of third party agreements or land consents	Additional cost	1.00%		2000		20.00	26.27	26.27

Current Period End 13-Oct-07

Sim Run P90 1A+1B 53208.72 £k

Total Allocation
Risk Mean Sum
Phase 1A
40513.44 £k
49888.05

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