

9 Assurance Monitoring

9.1 Resources

The re-organisation of the Safety and Technical Assurance functions within the project has now been completed, with Turner & Townsend, Edinburgh Trams and CEC working closely to ensure that project assurance continues to be managed effectively and efficiently, particularly in relation to Section B Completion.

Edinburgh Trams will continue to report on Safety Assurance through the inclusion of the 'Deliver a Safe Tram' (DaST) section in their progress report; with Turner & Townsend providing an Assurance Monitoring function through the reporting of any issues identified internally and any issues that Edinburgh Trams highlight as significant in the DaST. A copy of the DaST has been included as an attachment to this report.

9.2 Safety Verification

Edinburgh Trams have reported no significant issues within the Safety Verification (SV) function this Period, with the Safety Verification System and Safety Assurance Plan documentation to be issued formally in the coming Period. There are no tram related Safety Verification issues.

The SV team have reported that there are now no further issues remaining open from the SV audit TSA/12/03 – Section 1C - Slips, Trips, Falls (2 Wheel Vehicles), following a demonstration of the Drainage Box cleaning on the 21st February 2013. A formal report will be issued to Infracore in due course.

9.3 Independent Competent Person (ICP) issues

The final Project Safety and Certification Committee (PSCC) meeting took place on 20th February 2013, with the meeting now being replaced by the ICP Liaison Meeting. The PSCC tracker will be updated and used to manage outstanding actions.

An ICP Liaison Meeting was held on the 20th February 2013, to discuss the South Gyle junction and the junction at South Saint Andrew's Street, with no significant issues being identified.

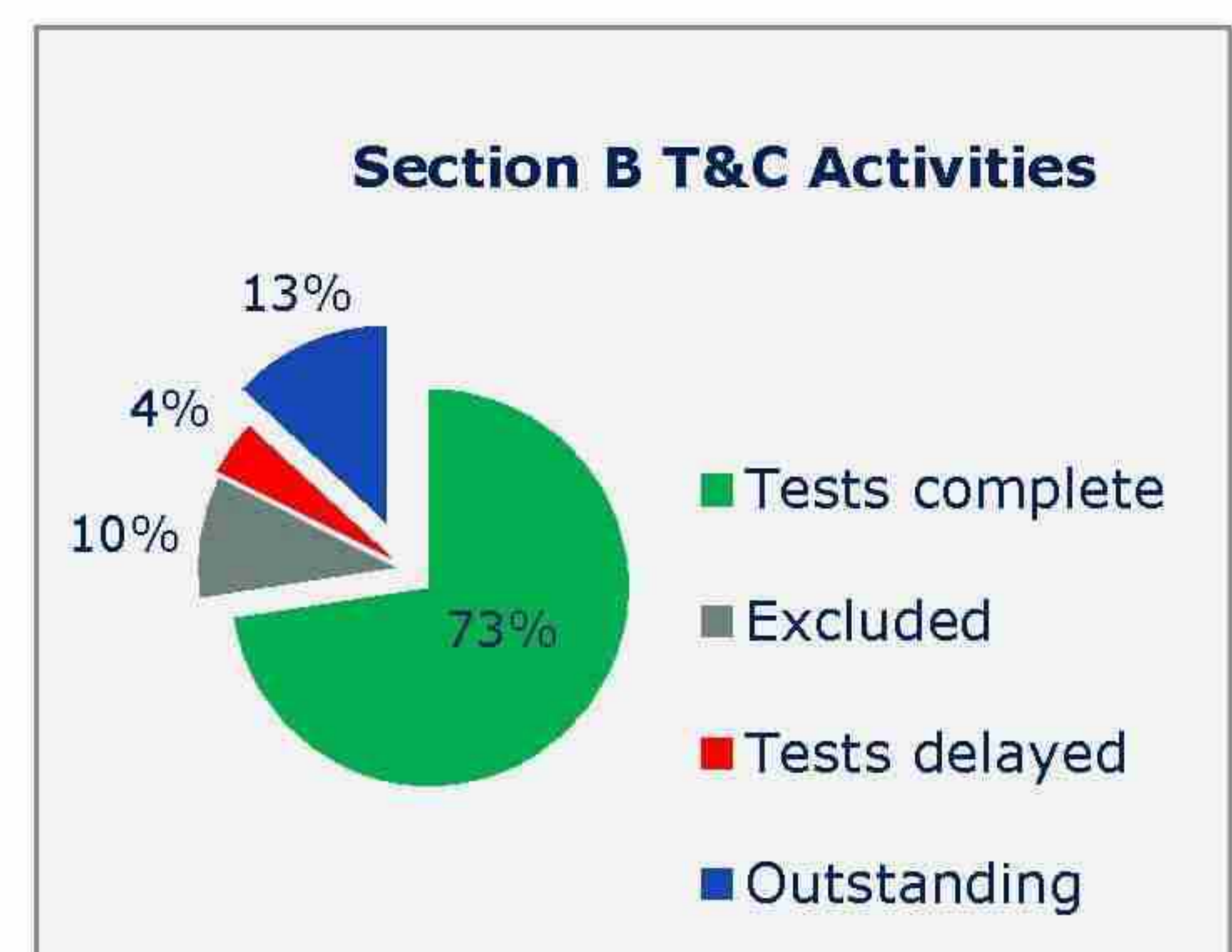
No new ICP correspondences were raised during the reporting Period.

9.4 Body of Evidence File

The Body of Evidence file has now been migrated to the new Sharepoint system, with evidence for Section B being uploaded as it is received.

9.5 Technical Assurance

Section B testing progressed on schedule to meet the Section B Completion date of 8th March 2013, with 66 out of 91 proposed tests completed at the time this report was written. Following acceptance of the Section B Exclusion List, a further



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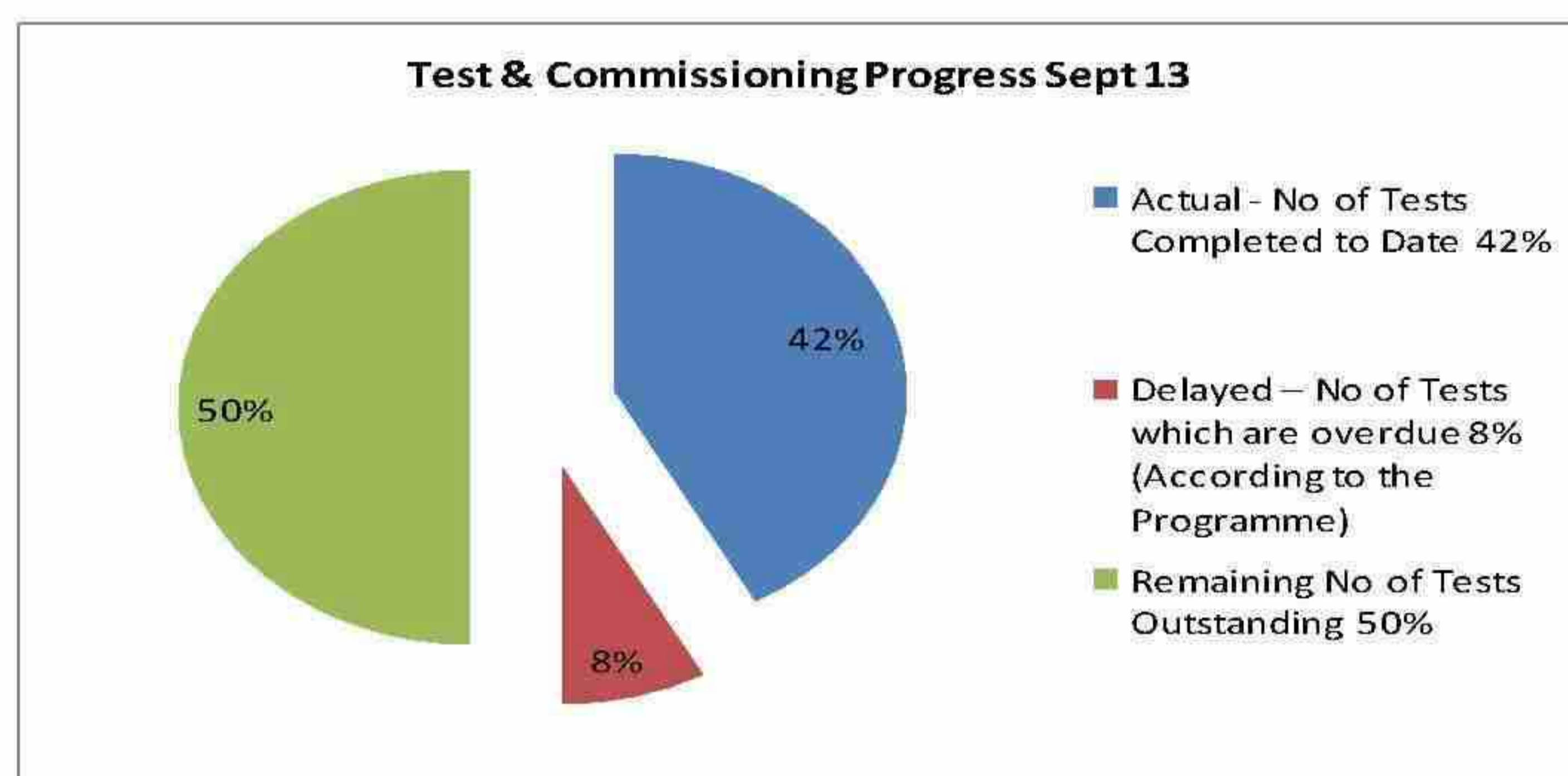
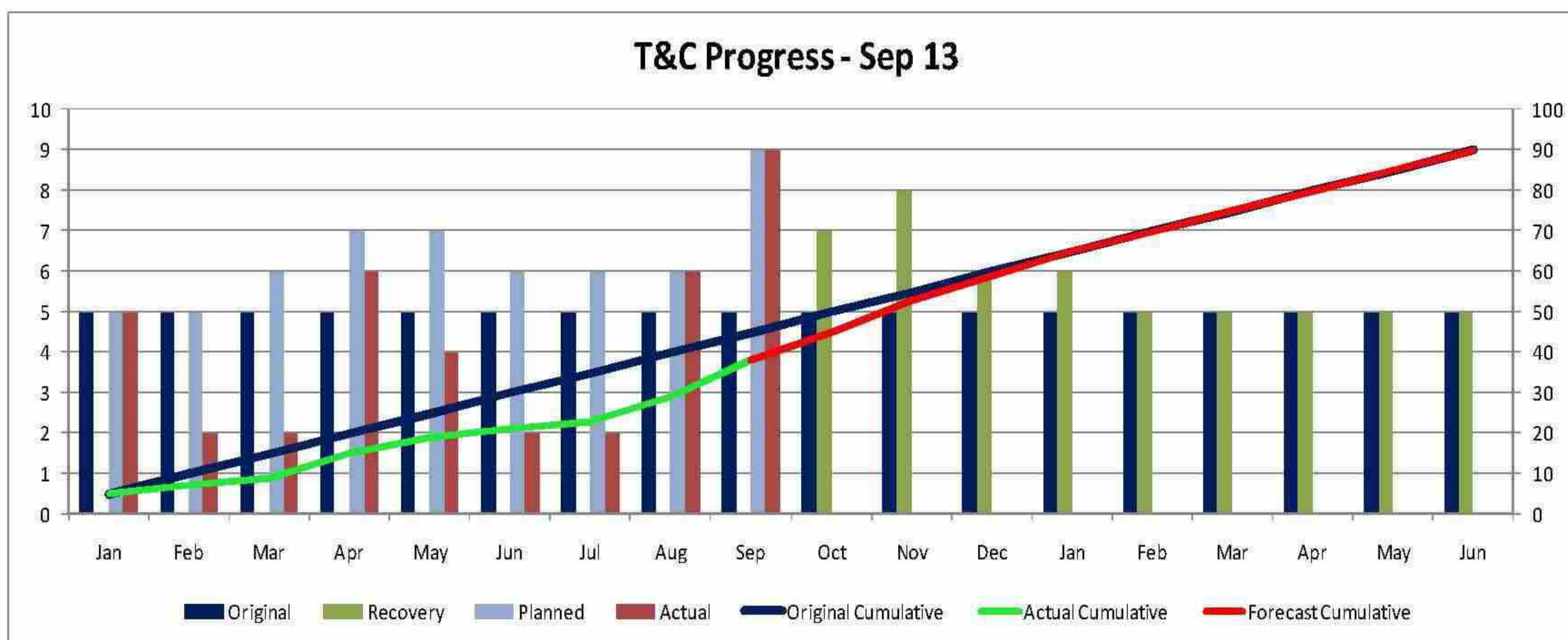
12 tests have been deemed as no longer required for Section B Completion.

Of the four tests delayed during the Period, three relate to an issue with the location of tramstop lighting time clock. This issue has been escalated to seek resolution as early as possible. The fourth test is related to stray current monitoring which will be completed post Section B Completion.

There are 12 tests scheduled to be completed this Period, however 6 of these relate to the radio system and were not undertaken prior Section B Completion. These remain on the list of activities as there is an aspiration to have them completed during the coming Period.

The TSS track engineer also confirmed in the Period there are no significant concerns with the Section B track work, allowing it to be accepted from Infraco under the Sectional Completion in March. Infraco agreed to provide the track maintenance document for Section B completion, to allow the TSS track engineer and the SV team to review how the construction and maintenance tolerances will be managed.

It is Turner & Townsend’s intention to develop a more comprehensive performance indicator for Section C testing, to ensure that any testing issues can be identified as early as possible and managed accordingly. The diagram below is the indicator that Turner & Townsend is proposing to use.

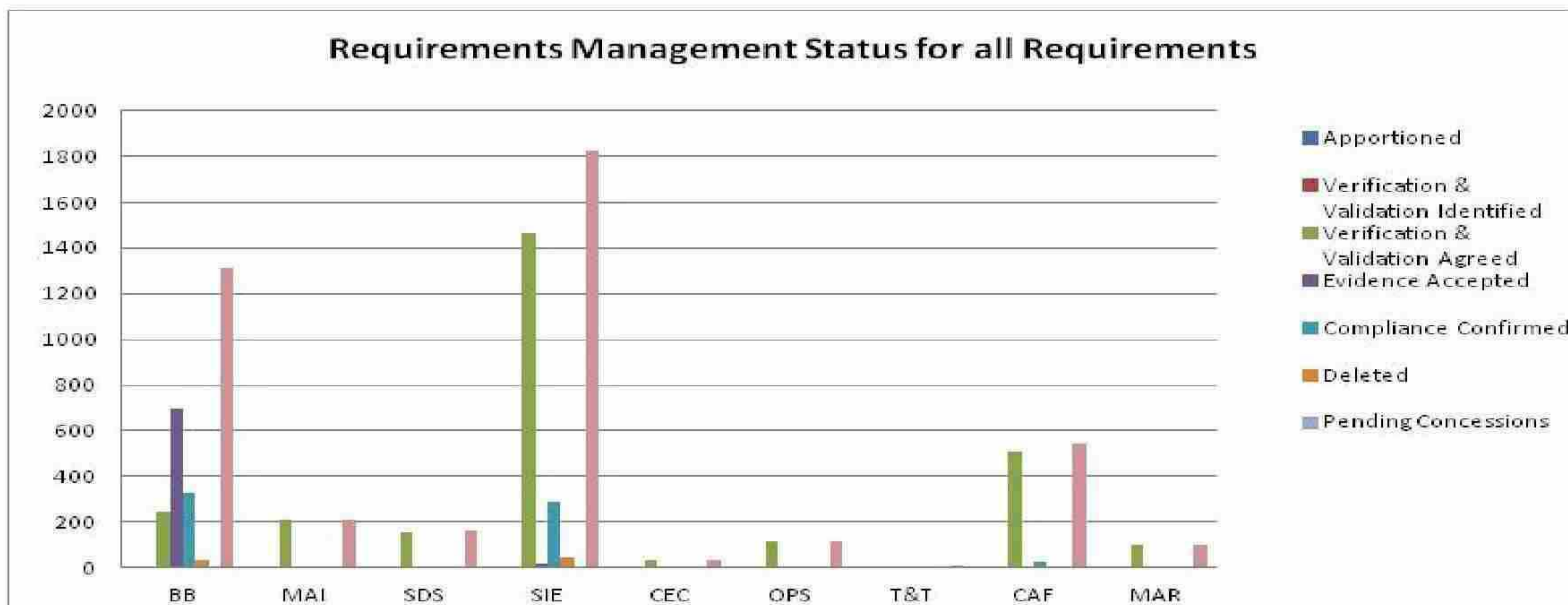


The intention is to chart overall progress against a baseline program ('original') while allowing monthly changes to the schedule to ensure missed tests can be recovered. 'Actual' progress will be charted against 'planned' tests for each Period, with any missed tests resulting in a change to the 'recovery' future program.

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Issues and opportunities will be identified by comparing the 'actual cumulative' against the 'original cumulative' lines, with the gap representing the number of tests behind (or in front). The 'forecast cumulative' line indicates how the program will be recovered.

9.6 Requirements Management



There has been limited progress in the validation of requirements associated with Section A this Period due to the focus on Section B Completion; with 45% (195 out of 435) of Section A requirements deemed 'compliance confirmed'. There are currently 658 (15%) of the total number of requirements now deemed 'compliance confirmed', an increase of 6% since the last reporting Period.

There is a significant increase expected in the number of requirements deemed 'compliance confirmed' in the next Period, with the Technical Service Supply team and the Tram Inspector now actively involved in reviewing Employer's Requirements and a Process Audit arranged for 14th March 2013.

9.7 Project Insurance

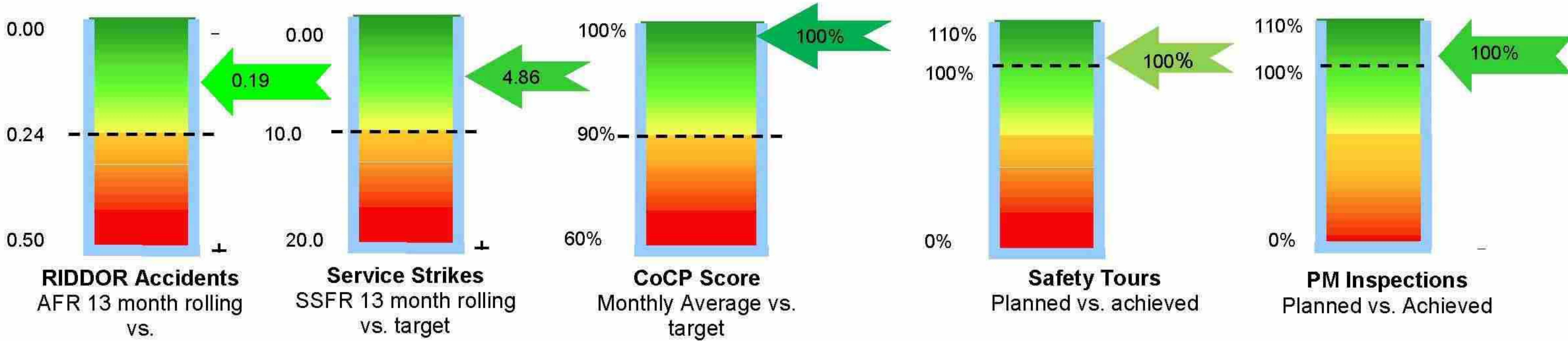
On 7th February 2013 Turner & Townsend facilitated a 'Risk Assessment Survey' carried out by HDI-Gerling on behalf of the OCIP insurers. While "impressed" by the overall condition of the project, the surveyor identified several Risk Improvement Measures which were recorded in the interim Risk Improvement Report, which has been passed on to Bilfinger and Siemens for comment and action where required.

Appendix 1 – Health, Safety & Environment and Consents Tracker

Project	12/13 - 12	Period	Hours	Time Related RIDDOR	Major RIDDOR	Other injuries	Near miss / unsafe condition	Service damage	Significant Incident	Environmental	RTA	MOP	AFR	SFR	EFR	
		Period	107,898	0	0	1	14	6	0	0	0	0	0	0.00	5.56	0.00
		YTD	1,468,108	3	0	13	61	68	1	36	5	18	0.20	4.63	2.45	
		13 period rolling	1,585,273	3	0	15	69	77	1	36	5	22	0.19	4.86	2.27	

Infraco	12/13 - 12	Period	Hours	>3 day RIDDOR	Major RIDDOR	Other injuries	Near miss / unsafe condition	Service damage	Significant Incident	Environmental	RTA	MOP	AFR	SFR	EFR	
		Period	80,198	0	0	1	9	0	0	0	0	0	0	0.00	0.00	0.00
		YTD	1,094,433	2	0	13	44	36	0	19	5	11	0.18	3.29	1.74	
		13 period rolling	1,174,598	2	0	15	51	39	0	19	5	15	0.17	3.32	1.62	

Other (Tram)	12/13 - 12	Period	Hours	>3 day RIDDOR	Major RIDDOR	Other injuries	Near miss / unsafe condition	Service damage	Significant Incident	Environmental	RTA	MOP	AFR	SFR	EFR	
		Period	15,700	0	0	0	5	3	0	0	0	0	0	0.00	19.11	0.00
		YTD	235,675	1	0	0	17	28	1	16	0	7	0.42	11.88	6.79	
		13 period rolling	260,675	1	0	0	18	34	1	16	0	7	0.38	13.04	6.14	



EXECUTIVE SUMMARY

There were 20 incidents since the last report (1 Injury, 13 Near Miss/Unsafe Conditions and 6 Service Damage [2 of which are Leith Utilities]). See Appendix A for details.

The rolling 13 Period AFR is at 0.19, better than the benchmark KPI of 0.24 for the project.

CoCP compliance was recorded at 100% during Period 12. See Appendix B for details.

100% of planned PM joint inspections have been carried out during Period 12.

There were no planned Safety tours in Period 12.

HS&E INSPECTIONS SUMMARY (a summary of significant inspection findings can be found in appendix B)

Project Running Totals	HS&E Tours (Directors)	HS&E PM Inspection
Number planned	0	5
Number achieved	0	5

HSQ&E KEY ACHIEVEMENTS

The rolling 13 Period AFR is at 0.19, better than the benchmark KPI of 0.24 for the project.

Key Issues – Points to Note

Joint monitoring of the leading indicators has continued to be undertaken between Turner & Townsend and the Principal Contractors, the results are included below. The leading indicators have identified that public safety and housekeeping are the area with the highest non-compliance. This correlates with the results of the ad-hoc inspection that was undertaken and reported below. In response to this Turner & Townsend will be targeting these indicators in discussion with the Principal Contractors, with a view to improving compliance in the next period.

A number of initiatives have been undertaken in the period by Bilfinger & Siemens, supported by Turner & Townsend to address the issues associated with the standard of risk assessment that were being produced. These included holding meetings to review incidents where the standard of risk assessment was identified as an underlying cause, Bilfinger & Siemens holding briefings and health and safety focus meetings.

ENVIRONMENTAL SUMMARY

List any significant environmental events, initiatives, breaches etc

An environmental inspection was carried out with McNicholas, 11th February 2013. No major issues were identified.

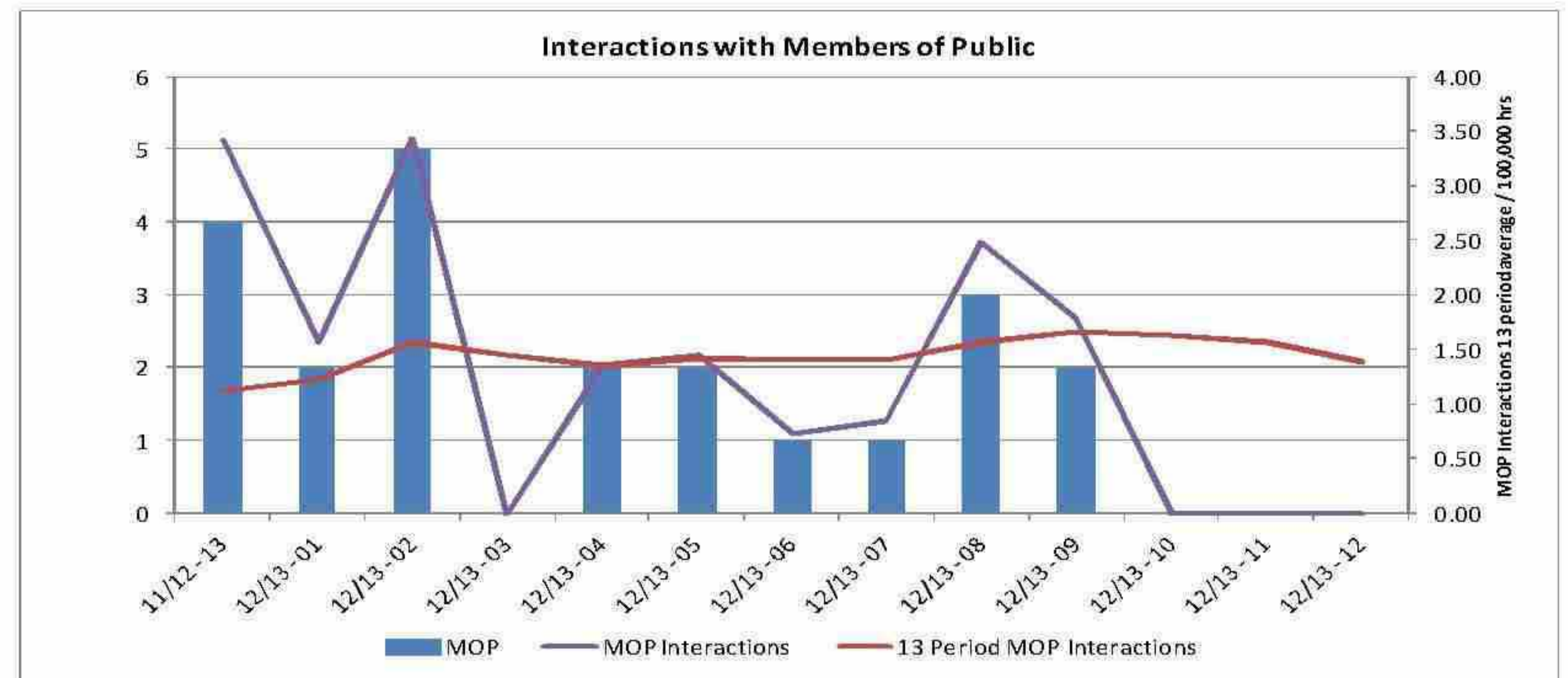
A meeting was held with John Lawson in order to progress the closure of the Post Excavation Works. John Lawson is to provide details of the compilation of the report required to progress this phase of works to closure.

No environmental incidents were recorded during the period.

Member of Public Interaction Summary

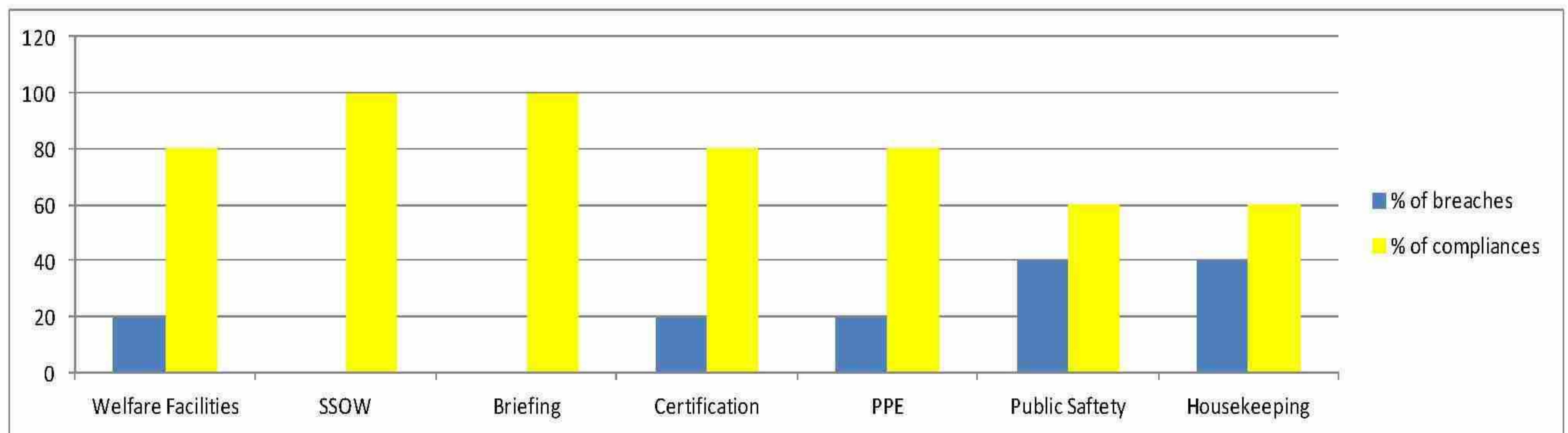
List any significant interactions with members of the public, including RTA's, alleged incidents

There were no incidents which involved members of the public during Period 12.



Leading Indicators

Include details of compliance against leading indicators



CDM Compliance

List any significant quality events, initiatives, breaches etc

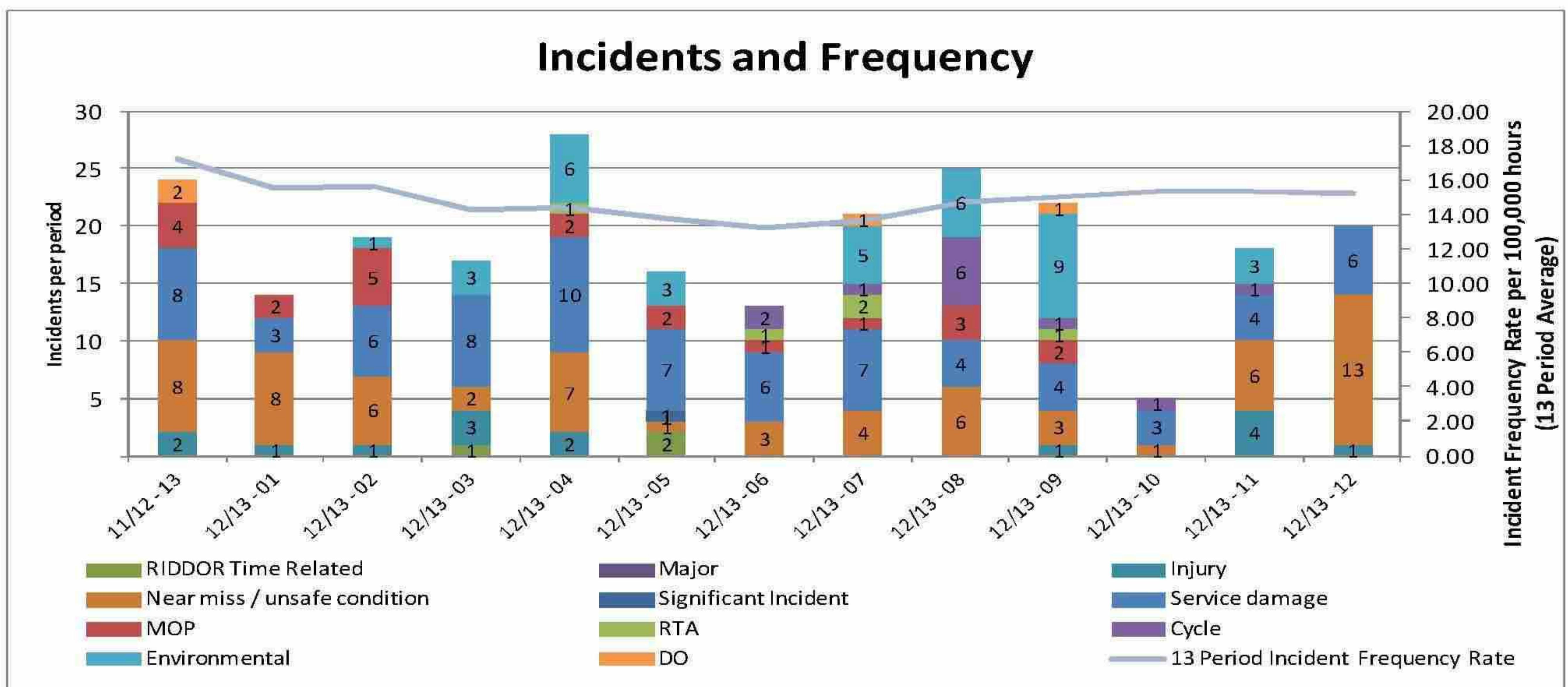
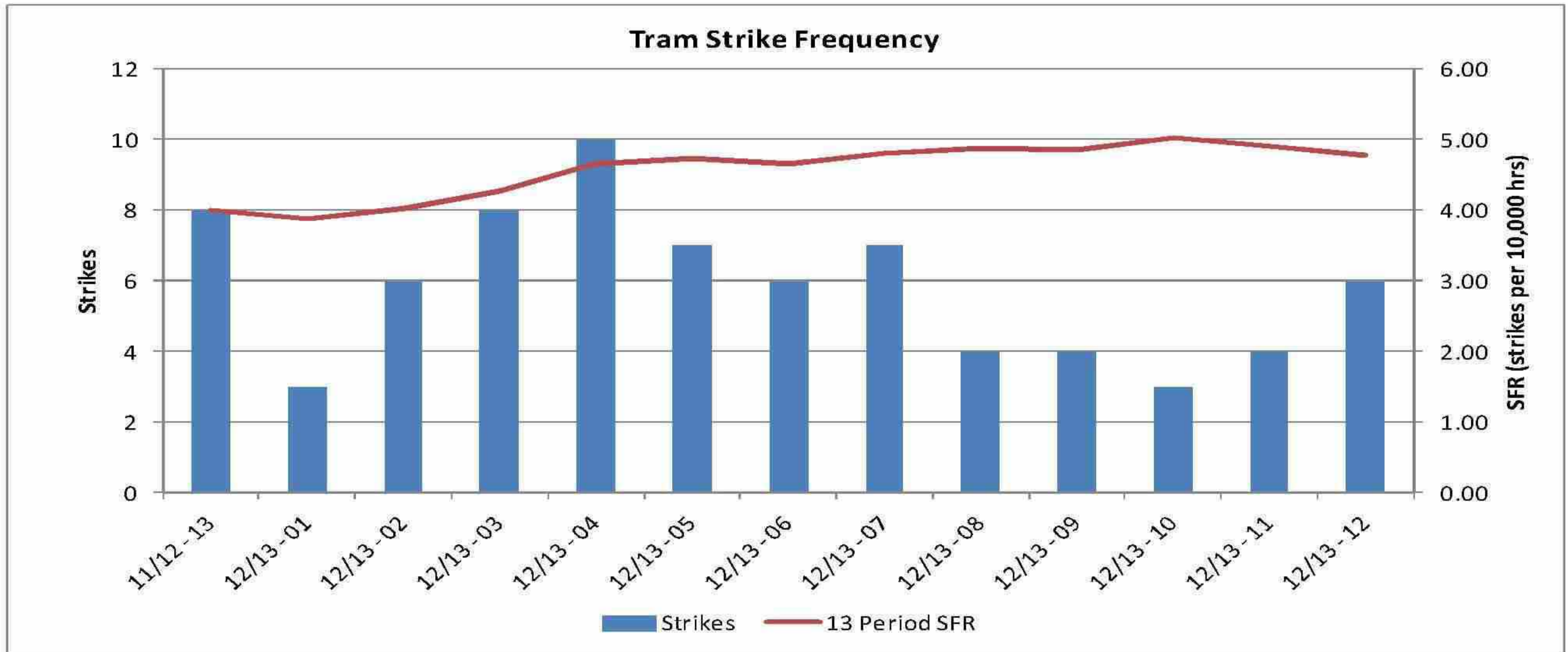
A meeting was held with the City of Edinburgh Council's Safety Assurance Manager and Bilfinger Siemens to discuss the requirements for documentation to be included within the Health and Safety File for Section B.

A meetings and discussions have been held with Scottish Water regarding the development of the Health and Safety File for the Scottish water utility diversion works. It is proposed to develop and issue a Health and Safety File that includes the information relevant to the utility diversion works and subsequently issue information that relates to the tram construction works.

Dialogue has been held with Edinburgh Trams regarding the stage in the project the enforcement authority will change from the Health and Safety Executive to the Office of Rail Regulation. A document has been prepared and has been issued to the Health and Safety Executive for their comment.

A meeting has been held with City of Edinburgh Council to review the arrangements for third parties to access the tram infrastructure to undertake works. The proposed arrangement is for Turner & Townsend to be the focal point for contact by third parties. On receipt of a request to undertake works Turner & Townsend will notify the organisation of the requirements and contact details of the asset controller (who can be Edinburgh Trams, City of Edinburgh Council or Bilfinger & Siemens).

GRAPHS



Project Report – Period 12

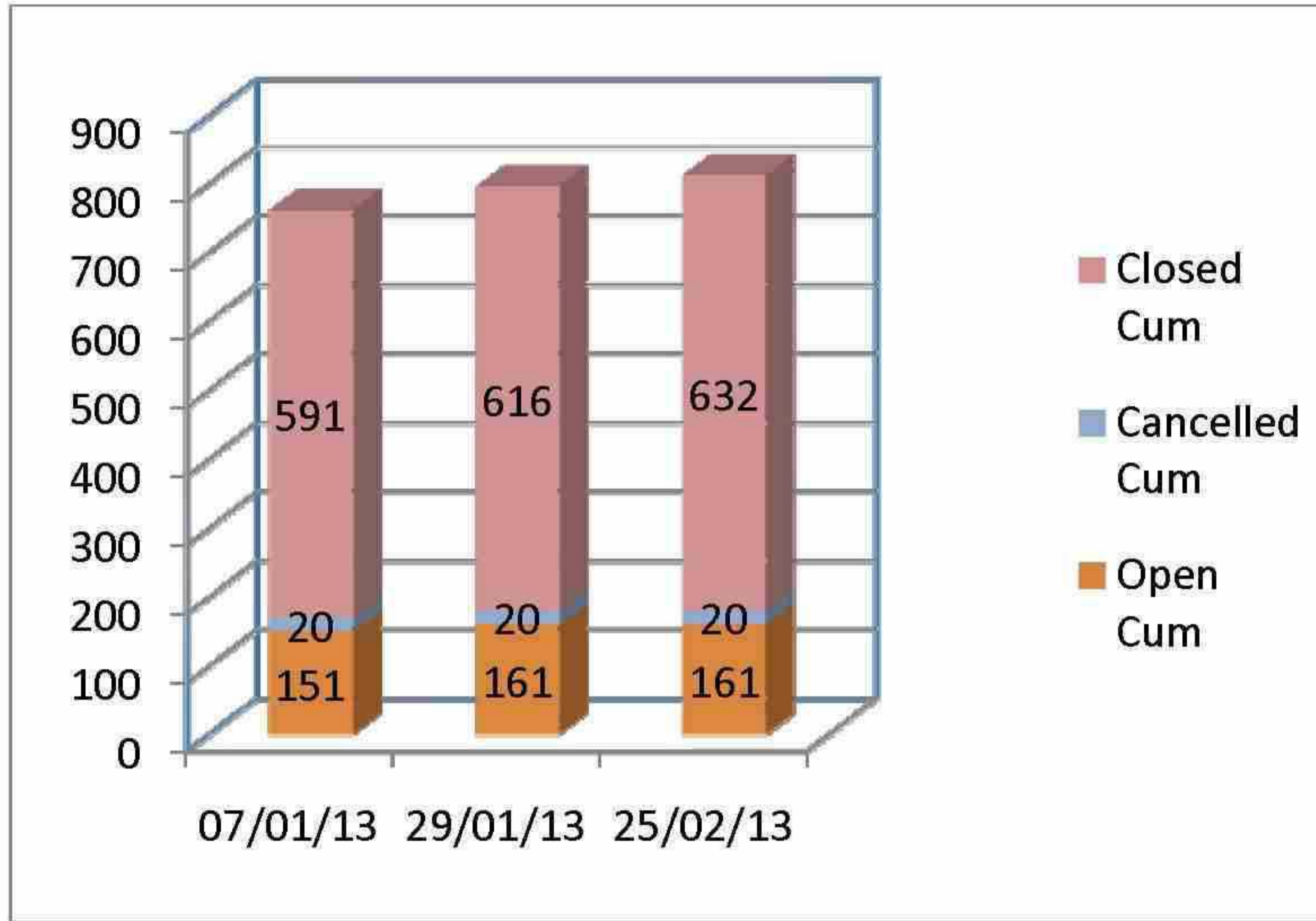
Non-Conformance Reports

Total number of Non Conformance Reports raised – 813.

Total number of Non Conformance Reports raised in period 12 – 16.

Total number of Non Conformance Reports closed in period 12 – 16.

Number of Non Conformance Reports greater than 6 months old – 39



APPENDIX A

There have been 20 incidents in total since the issue of the last DtTS.

Serious / significant incident

1

Non tram related

Date	Location	Detail	Contractor	Classification
04/02/13	Broughton Street	Scottish Water 125mm Watermain struck at an excavation at the junction of Broughton Street and York Place. The main was encased in Foam Concrete.	McNicholas	Service damage
05/02/13	Palmerston Place/West Maitland Street	A large white van travelled against the one way traffic flow, whilst passing the mass barriers it clipped one of the drums.	McNicholas	Near miss / unsafe condition
08/02/13	Carrickknowe	Concrete pump set up 22 meters from NWR railway. Request received from NWR representative to move pump back 3 meters	Crummock	Near miss / unsafe condition
13/02/13	Coates Cresecent	Fencing has blown over outside Royal Scottish Country Dancing Club and it was reported that a member of the public has fallen and injured her arm.	McNicholas	Near miss / unsafe condition
14/02/13	South Gyle Access Bridge	Operative walked into a reinforcement which wasn't capped. Operative sustained a scratch to left shin, first aid was administered on site.	Siemens	Injury
04/02/13	Palmerston Place/West Maitland Street.	BT cable buried in concrete damaged when carrying out excavation works.	McNicholas	Service damage
05/02/13	Palmerston Place/West Maitland Street.	SP service cable buried in concrete, damaged when carrying out excavation works.	McNicholas	Service damage
06/02/13	6 Torphichen Street	1" water service damaged during excavation works – Sylvia Karstad of Scottish Water was on site, SK contacted Ken Power of SW and received permission for McNicholas to self-repair.	McNicholas	Service damage
14/02/13	Ryries Bar, Haymarket	TM removed resulting in vehicles driving into site. Peter Widdowson of B&S notified	BBS	Near miss / unsafe condition
19/02/13	Balburnie Place	MOP driving a silver Ford Focus attempted a three point turn damaging heras fencing.	Grahams	Near miss / unsafe condition
21/02/13	Abercrombie Place / Dublin St	Lothian & Borders Police contacted CEC Care and Response Team traffic to report temporary traffic lights all on green at junction.	McNicholas	Near miss / unsafe condition
24/02/13	Ryan's Bar / Hope St	Lothian & Borders Police contacted CEC Care and Response Team to report barriers have been pushed over.	Bilfinger	Near miss / unsafe condition
23/02/13	Balgreen	Break into container over weekend 23/02/13 / 24/02/13. 2 Jackets, 2 pairs of boots and 1 digital camera	Land & Build	Near miss / unsafe condition
23/02/13	Balgreen	Damage to excavator (3 windows broken) over weekend 23/02/13 / 24/02/13	Expanded	Near miss / unsafe condition
25/02/13	Dalry, Haymarket	Smell of gas reported to SGN, reference no 50448036	McNicholas	Near miss / unsafe condition
27/02/13	Gogar Castle Road	Snagging works being undertaken on the Mini Test Track without permit to work.	BBS	Near miss / unsafe condition

Project Report – Period 12

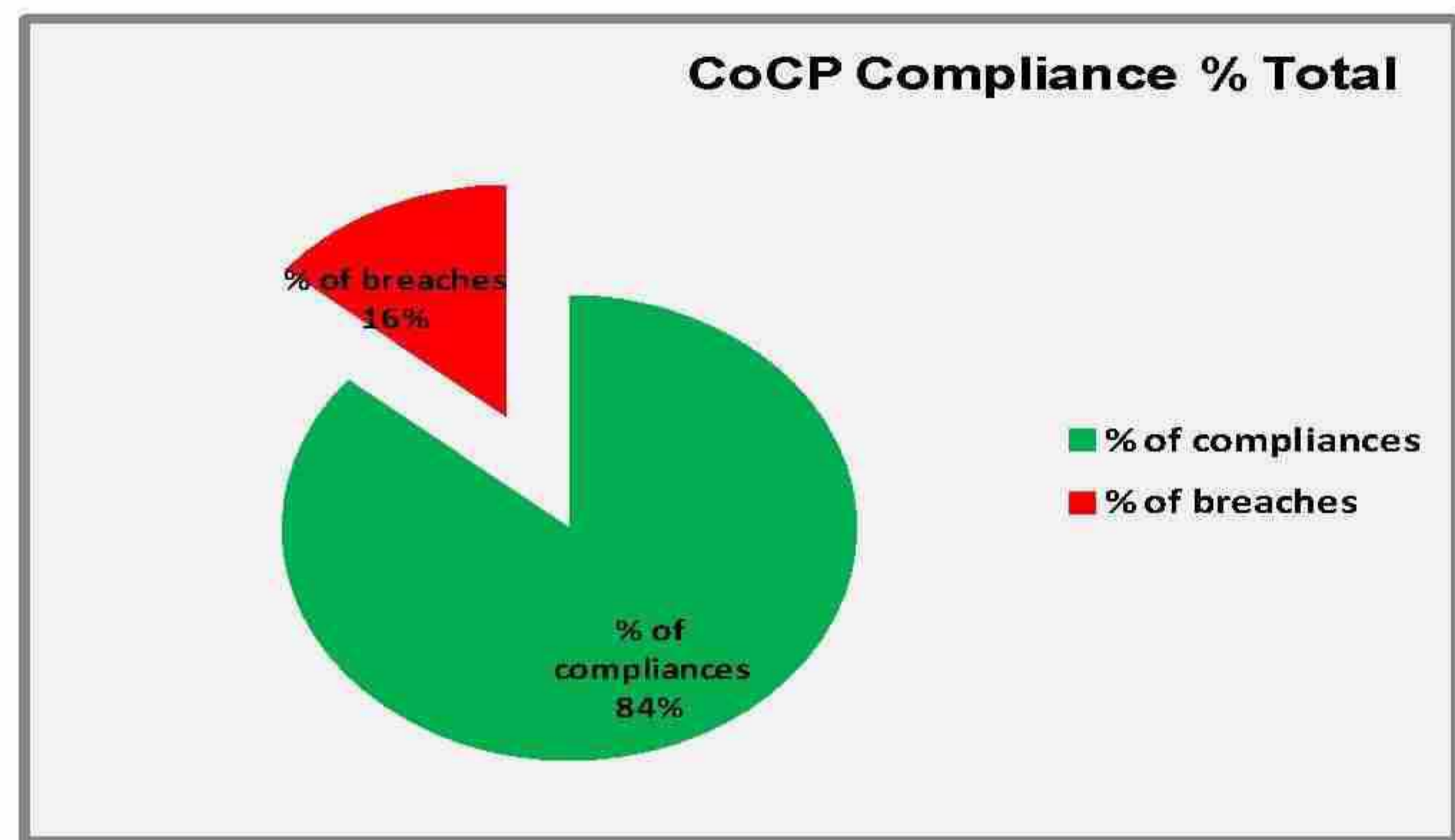
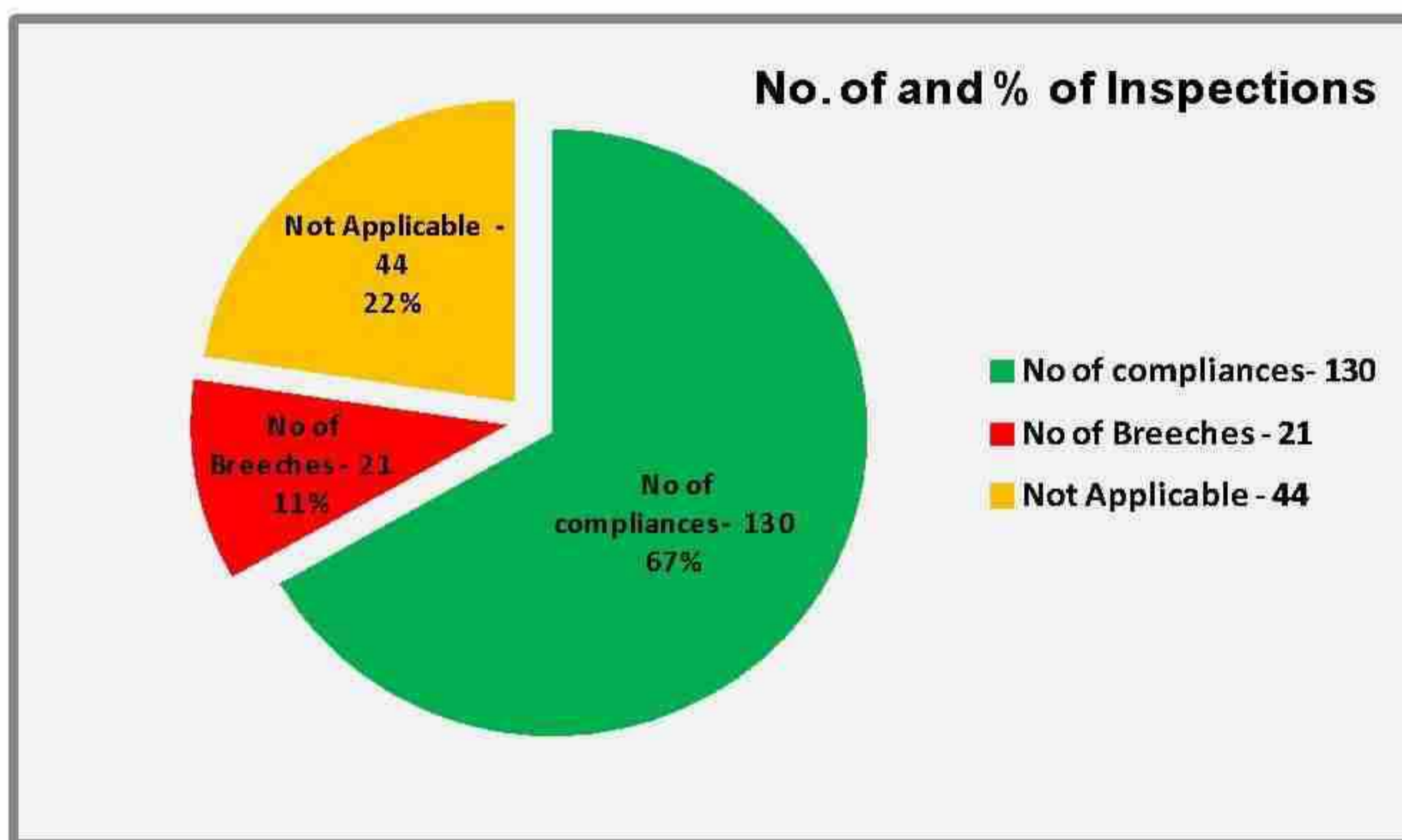
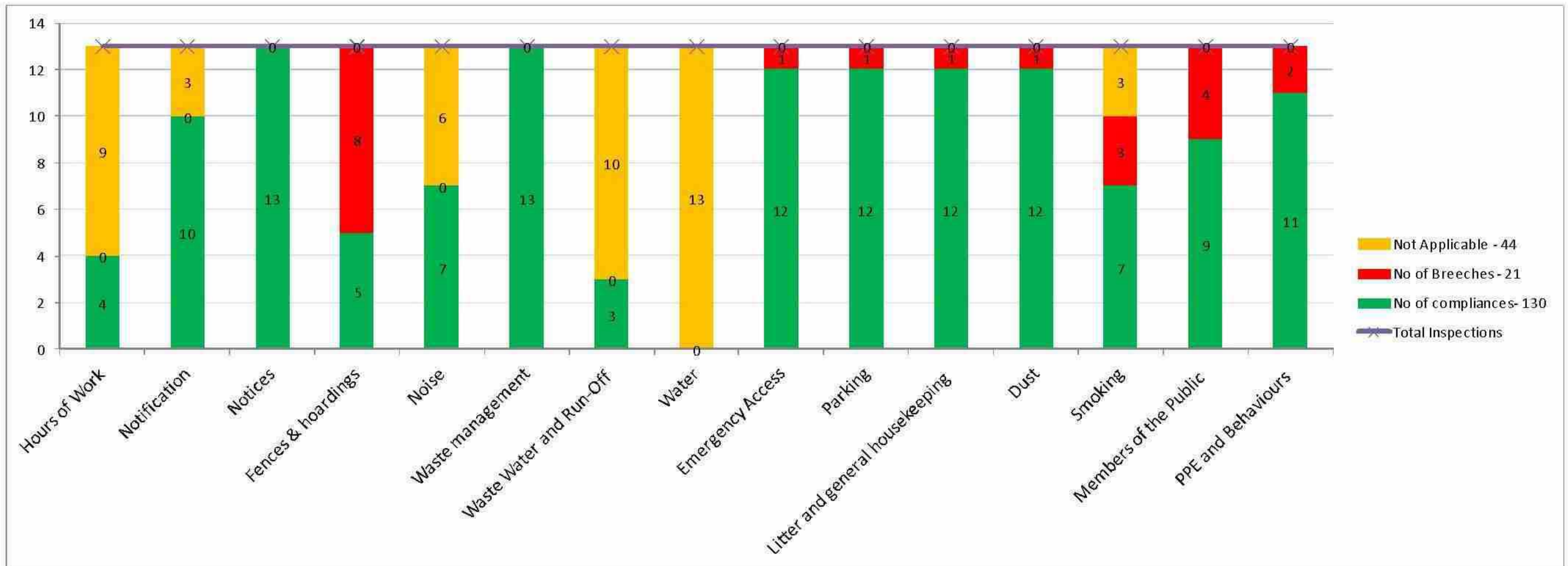
Date	Location	Detail	Contractor	Classification
27/02/13	Gogar Castle Road	Whilst undertaking snagging works on the operatives did not close out permit on completion of works on mini test track.	BBS	Near miss / unsafe condition
27/02/13	South Gyle Access Bridge	Operative climbed up to a high point on the retaining wall opposite a street lighting column and slid down the pole.	BBS	Near miss / unsafe condition
Leith Walk Legacy Works				
20/02/13	178 Leith Walk	Damage to four inch cast iron watermain at carrying out legacy works. SW advised.	McNicholas	Service damage
26/02/13	Leith Walk (Utilities)	Unidentified cable hit with shovel whilst hand digging outside 374, Leith Walk. Scottish Power contacted to attend site.	McNicholas	Near miss / unsafe condition

Project Report – Period 12

APPENDIX B – COCP INSPECTIONS

COCP Inspections / Issues Period 11

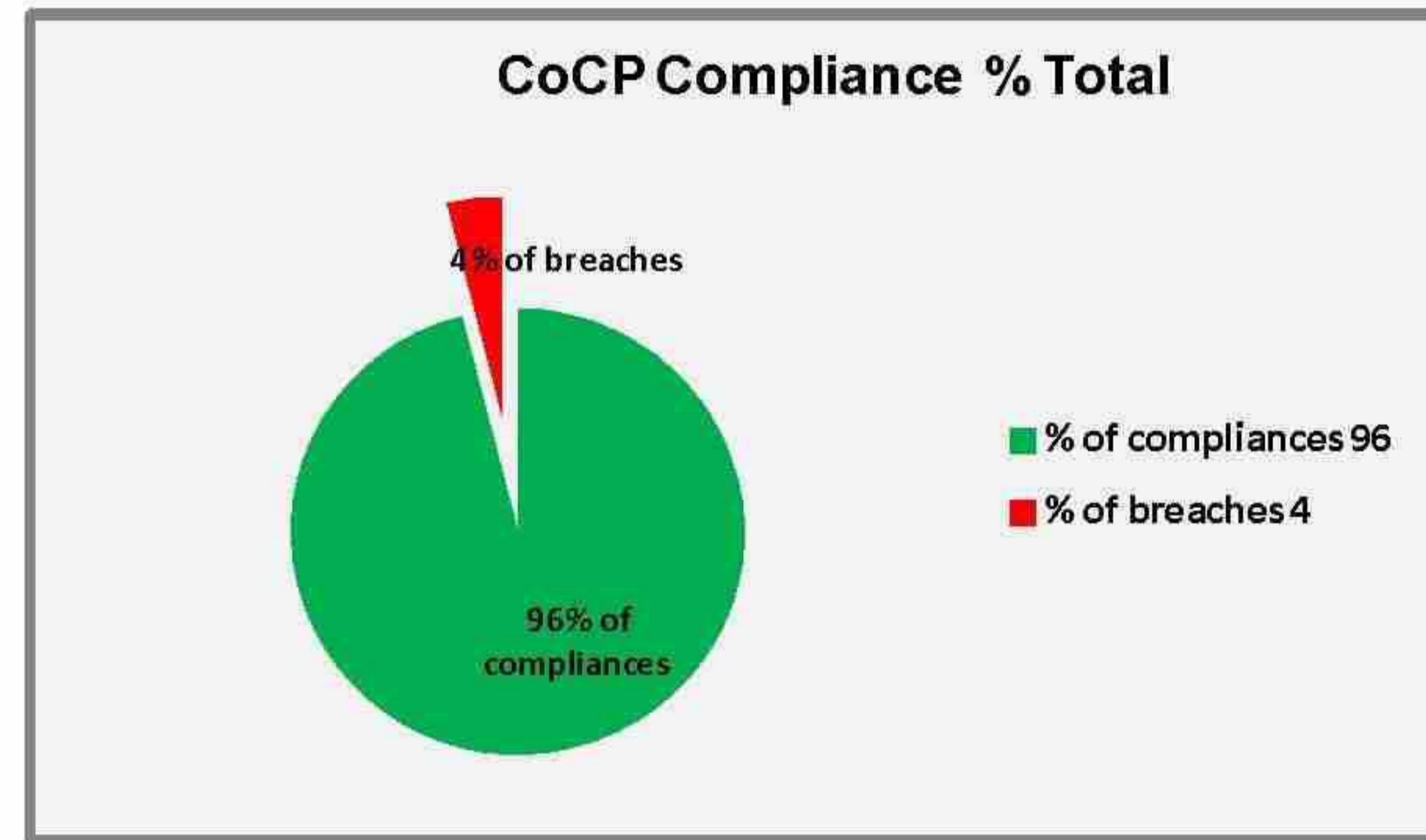
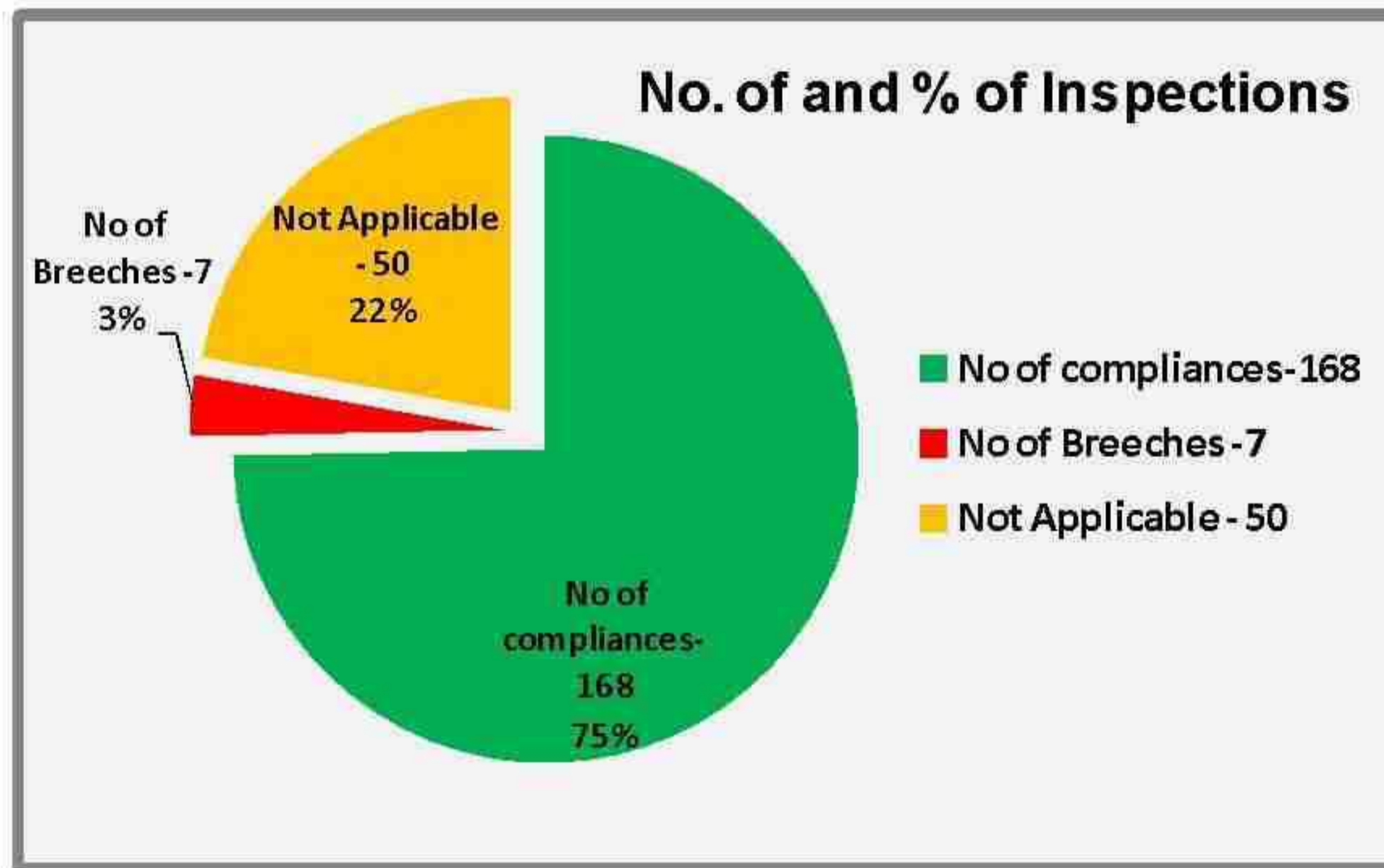
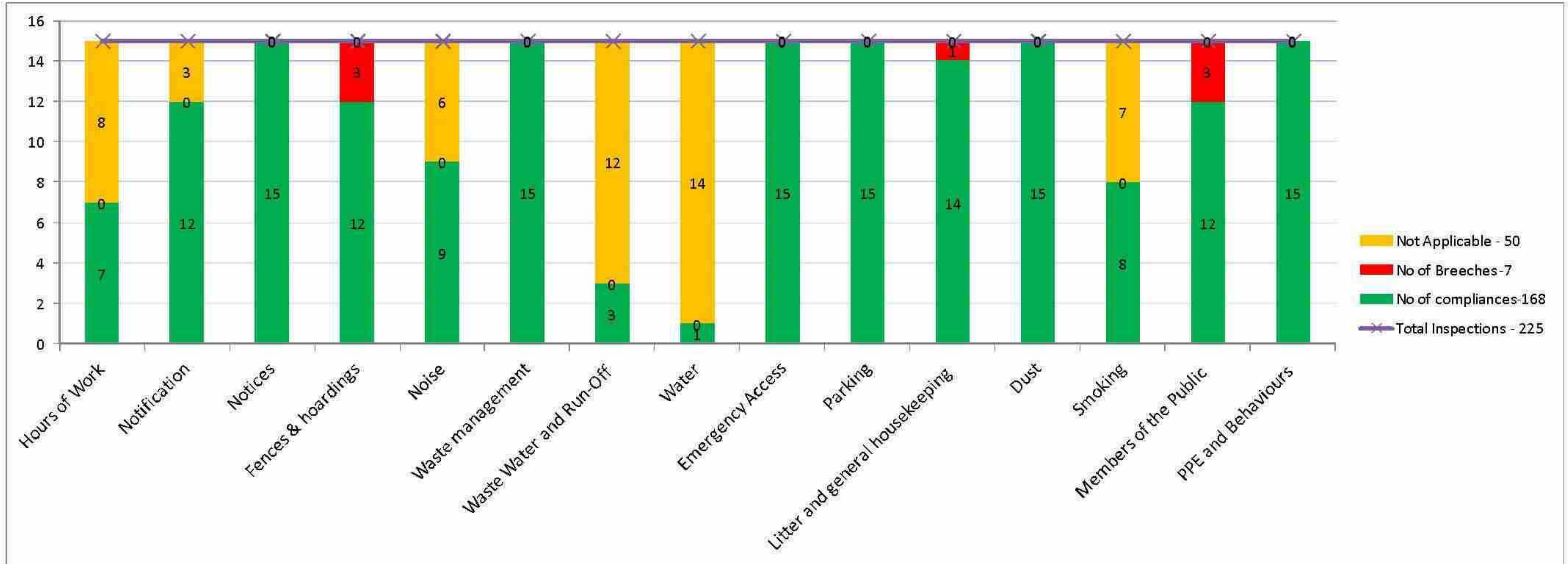
CoCP compliance was recorded at 84% During Period 11



<input type="radio"/> Q1. Hours of Work	<input type="radio"/> Q9. Emergency Access
<input type="radio"/> Q2. Notification	<input type="radio"/> Q10. Parking
<input type="radio"/> Q3. Notices	<input type="radio"/> Q11. Litter and general housekeeping
<input type="radio"/> Q4. Fencing and Hoarding	<input type="radio"/> Q12. Dust
<input type="radio"/> Q5. Noise	<input type="radio"/> Q13. Smoking
<input type="radio"/> Q6. Waste Management	<input type="radio"/> Q14. Members of the Public
<input type="radio"/> Q7. Waste Water and Run-Off	<input type="radio"/> Q15. PPE and Behaviours
<input type="radio"/> Q8. Water	

COCP Inspections / Issues Period 12

CoCP compliance was recorded at 96% During Period 12



<input type="radio"/> Q1. Hours of Work	<input type="radio"/> Q9. Emergency Access
<input type="radio"/> Q2. Notification	<input type="radio"/> Q10. Parking
<input type="radio"/> Q3. Notices	<input type="radio"/> Q11. Litter and general housekeeping
<input type="radio"/> Q4. Fencing and Hoarding	<input type="radio"/> Q12. Dust
<input type="radio"/> Q5. Noise	<input type="radio"/> Q13. Smoking
<input type="radio"/> Q6. Waste Management	<input type="radio"/> Q14. Members of the Public
<input type="radio"/> Q7. Waste Water and Run-Off	<input type="radio"/> Q15. PPE and Behaviours
<input type="radio"/> Q8. Water	

Project Report – Period 12

Summary of issues identified during Turner & Townsend CoCP inspections and action taken

Question No	Subject	Location	Contractor	Action taken or required to be taken by contractor	Date to rectify or rectified
4	Fencing & Hoarding	Clifton Terrace, Haymarket	Grahams	Additional sand bags to be put in place	01/03/2013
4	Fencing & Hoarding	West Maitland Street	Lagan/Class One	Obtain additional sand bags	01/03/2013
4	Fencing & Hoarding	Bankhead Drive	Crummock	Additional sand bags to be put in place	01/03/2013
11	Litter & General Housekeeping	Clifton Terrace, Haymarket	Grahams	Site clean up to be carried out	26/03/2013
14	Members of the Public	Clifton Terrace, Haymarket	Grahams	Fence moved to remove hazard from public area	Immediately (closed)
14	Members of the Public	Torphichen Street	Lagan/Class One	Undertake remedial work at Pedestrian Crossing	26/03/2013
14	Members of the Public	Murrayfield Tram Stop	Grahams	Additional screening erected	Immediately (closed)

Deliver a Safe Tram



Project Report – Period 12

1.0 Executive Summary

Executive Summary

- **Independent Competent Person** – Advice of Possible Non Compliance (ANC) 002 - Confirmation of ‘Duty Holder’ process to deliver Safety Verification remains open, this will be closed out before end of current period. Audit TSA/12/03 – Section 1C Slips, Trips, Falls (Two wheel vehicles) is now complete an updated report will be sent to B&S.
- **Requirements Management** –45% of requirements relating to Section A handover are now deemed ‘Compliance Confirmed’. The rise in the period is 2%. 15% of the total number of requirements are now deemed ‘compliance confirmed’ this is an increase of 6% since the last reporting period.
- **Evidence File** - The old evidence file has now been migrated to the new sharepoint system. The evidence file will be brought up to date over the next few months focusing on Section A and B material.
- **Safety Verification Scheme Audits** –Safety Verification audit TSA/12/03 – Section 1C Slips, Trips, Falls (Two Wheel Vehicles) demonstration of drainage box cleaning carried out 21st February 2013. This audit is now complete.
- **Tram** - No Tram issues with respect to Safety Verification
- **Infrastructure** – Testing and Commissioning of Section B continued with no issues with respect to Safety Verification or technical assurance. This Section has been handed over this period.

2.0 Safety Verification Scheme (SVS)

- Evidence File – The evidence file is now migrated to the new share point system. Evidence for Section B will be uploaded as it is received.
- Safety Verification Audit (SV) Audit TSA/12/03 – Section 1C - Slips, Trips, Falls (2 Wheel Vehicles). A demonstration of the Drainage Box cleaning took place on the the 21st February 2013, this will be closed out before end of current period A formal report will be issued to B&S in due course.
- SVS Audit TSA/12/01 – Outstanding findings to be progressed
- The proposed SV audits were table in a report and distributed to the SV team for confirmation that the required audits have been identified.
- The director of the TSS contract has visited Edinburgh in March to finalise the audit programme and support required. After this time the SV team will make the various parties aware of the audits to be performed.
- The SV team are now working in the Edinburgh Trams depot with Edinburgh Trams providing the administration framework on behalf of CEC. No issues were noted in this period with respect to the change in administration.
- The revised Safety Verification Scheme and Safety Assurance Plan is ready to be issued formally and will be done so next period. When this is done the Safety Assurance Manager will organize a meeting with the ORR and ask the HSE to attend through T&T.

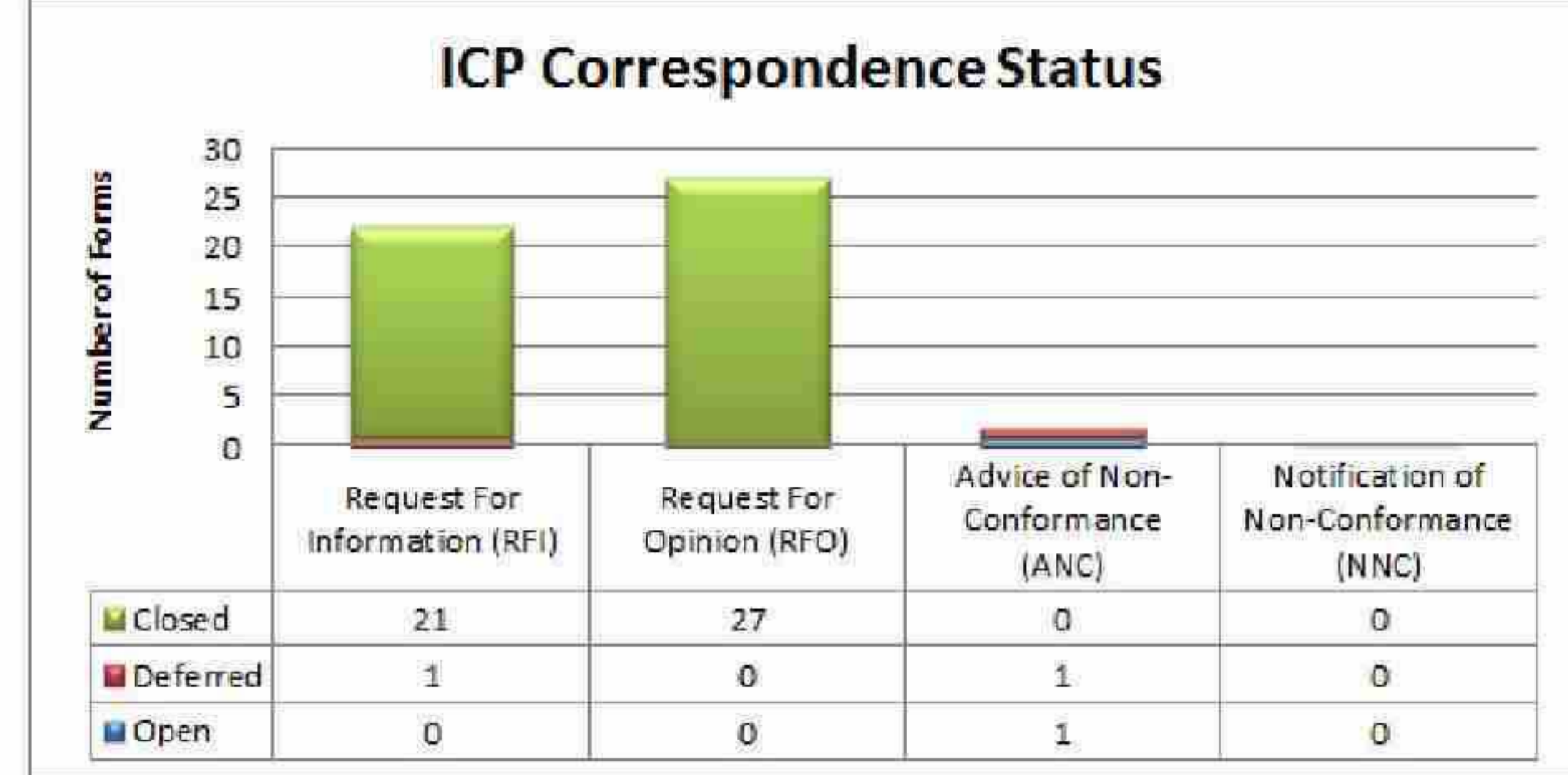
3.0 Independent Competent Person

ICP Issues

- The last PSCC meeting took place on the 20th February 2013. This meeting will be replaced by the ICP Liaison Meeting. The PSCC tracker will be updated next month and will capture any outstanding actions.
- An ICP liaison meeting was held on the 20th Febraury to discuss the South Gyle junction and the junction at South Saint Andrews street. No significant issues were identified however an SV report will be published to record the meeting.
- Advice of Possible Non Compliance (ANC) 002 – (Due to cancellation of Safety Verification (SV) audits SVS Audit TSA/12/03 and Infraco to support the current format) – the ICP has sent an updated report which will be formally issued to B&S. A response to the ANC will now be sent to the ICP in order to progress closure of the action.
- The ICP reviewed the CV for the proposed Siemens representative to independently review the Case for Safety and has raised no objections.
- No new ICP correspondance were raised during the reporting period.

ICP Correspondence	Open	Deferred	Closed	Total
Request For Information (RFI)	0	1	21	22
Request For Opinion (RFO)	0	0	27	27
Advice of Non-Conformance (ANC)	1	1	0	2
Notification of Non-Conformance (NNC)	0	0	0	0

- A review of the Section B hazard log was performed this period. Findings of this review will be included in the Safety Verification Report for Section B however there were no significant concerns raised during the workshop.
- It was agreed this period the remaining Cases for Safety will be reviewed by a Siemens representative who is independent to the project.



4.0 BBS Design Construction and Testing & Commissioning Safety Verification

Design

Electromagnetic Compatibility (EMC)

- B&S System Integration Test (SIT) Procedure - Overall Magnetic and Radiated Emissions (IO 1.0) has been reviewed and returned with review level A: No objection.
- B&S stated that results for Rail Conductance for Princes St do not meet the contract criteria of being five times better than standard. B&S will produce a rationale in support of a concession to this requirement. A follow up meeting was held week commencing 22nd October 2012. It is expected that the results for Princes Street will not reach the contract levels and so B&S are likely to seek a concession. It is not expected that the measured values will pose a significant risk for accelerated corrosion to buried metallic infrastructure; however the independent stray current expert will have to accept B&S argument. This is still ongoing, submission awaited from B&S. B&S have been asked for an update on this.
- B&S Correspondence ETN(BBS)CEC&TEE&ABC#060100 SIT Procedure - Immunisation Measurements (10 2.0) - A meeting was held with NWR to discuss the above submission. Key actions arising were:
 - NWR to familiarise themselves with the documents due to the significant time lapse since the matter was last discussed with them.
 - B&S are to provide a schedule including dates when the tests are required.

Trackform

- The TSS track engineer confirmed in the period there are no significant concerns with the Section B trackwork and so it could be accepted from B&S under the Sectional Completion in March.
- It has been agreed the City Centre track will be audited at the transition points to determine the treatment is correct. This audit is included in the 2013 Audit schedule.
- There has been ongoing discussions regarding the wheel rail interface and its management. It has been agreed with B&S that for Section B completion they will provide the track maintenance document. This will allow the SV team to review how the tolerances will be maintained.

Testing & Commissioning

- Edinburgh Trams are now coordinating the Testing and Commissioning, excluding trams
- There are no safety verification matters with respect to the trams.
- The Tram Inspector is currently reviewing the Requirements Management matrix and will revert with comments.

Infrastructure

- A status of the proposed tests is shown below. The four tests noted as outstanding this period have been discussed with B&S to gain resolution. Three of the tests refer to the tram stop lighting where there is an ongoing technical discussion with CEC and B&S with respect to the location of the time clock. This issue has been escalated to gain resolution for Section B completion. The remaining outstanding test is the stray current monitoring. It has been agreed at the Testing and Commissioning (27/2/13) meeting that this test

will proceed after Section B handover as it has been demonstrated there should be no stray current issues.

- There are 12 tests to be performed next period. Six of these relate to the tramstop equipment and will be complete for Section B handover. The remaining 6 are relevant to the radio system which is excluded from Section B however it has been agreed with B&S at the meeting noted above they will remain in the Section B Testing and Commissioning programme as there is an aspiration to have the permanent radio system in place during the next period.

No. TESTS TO COMPLETE	91
No. TESTS COMPLETE	66
No. TESTS OUTSTANDING THIS PERIOD	4
No. Test Excluded from Section B but will be required for Section C	6
No. Tests no longer required	3

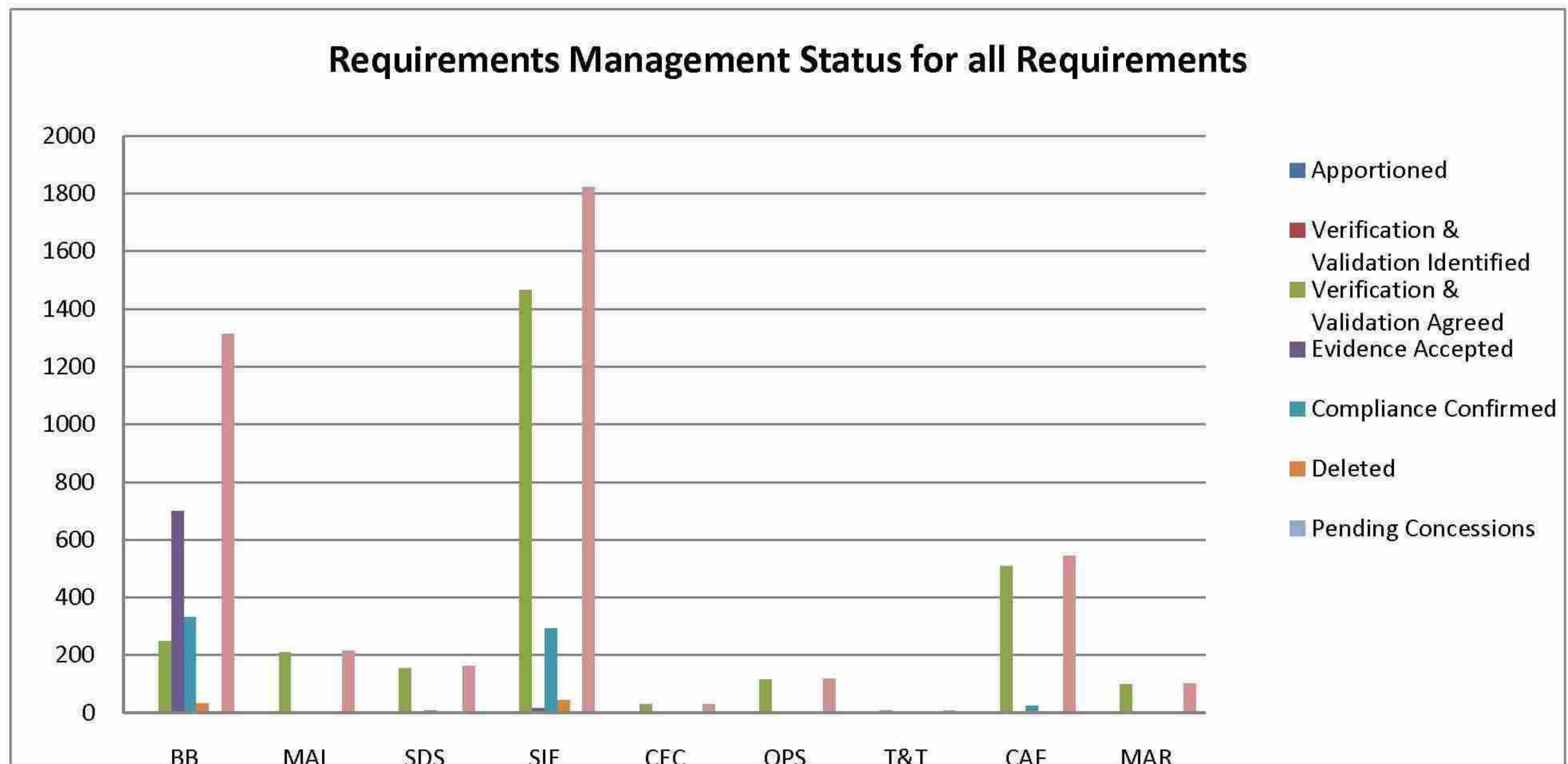
5.0 Metrics

- The metric programme was issued to Graeme Walker. An agreement was reached that Turner & Townsend will progress the metrics inspection until the last section covering requirements, at which time it will be passed to Edinburgh trams for completion.

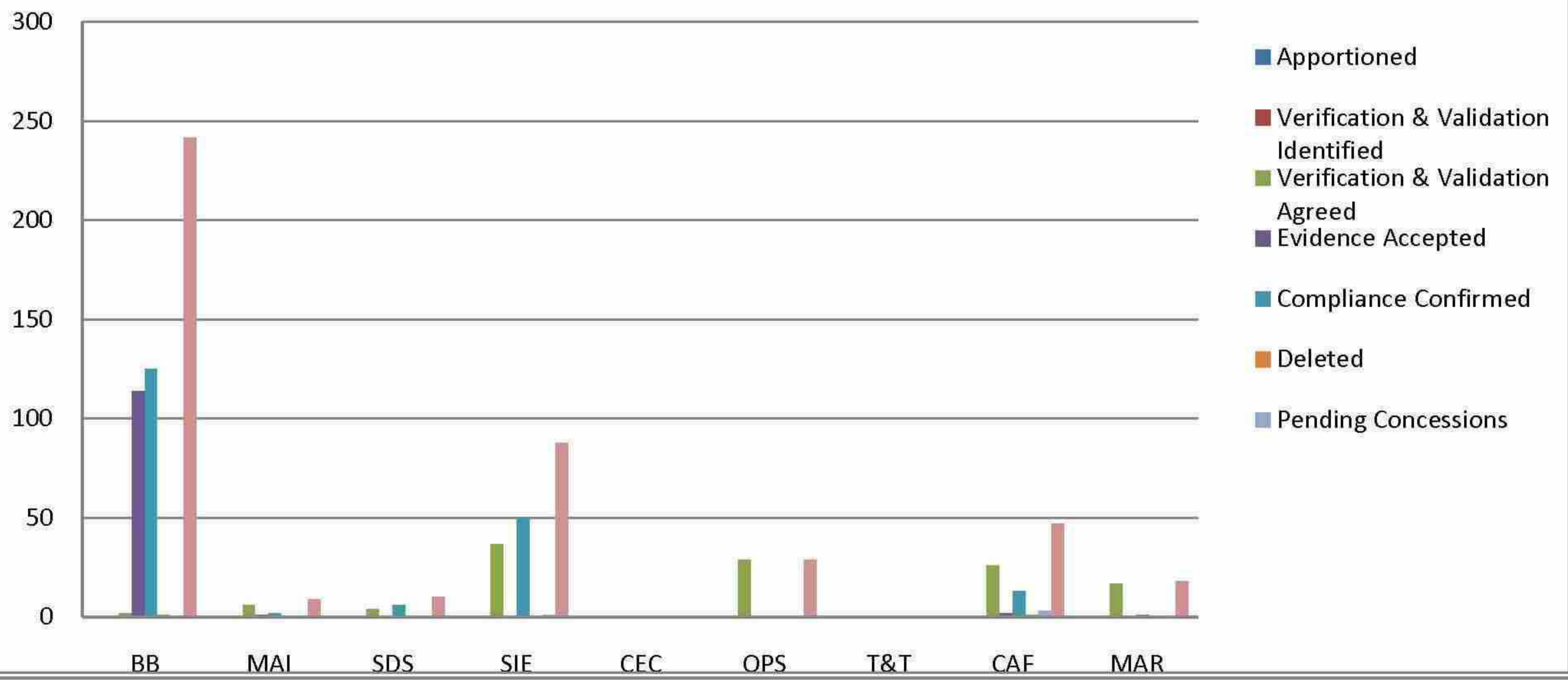
6.0 Requirements Management

Progress

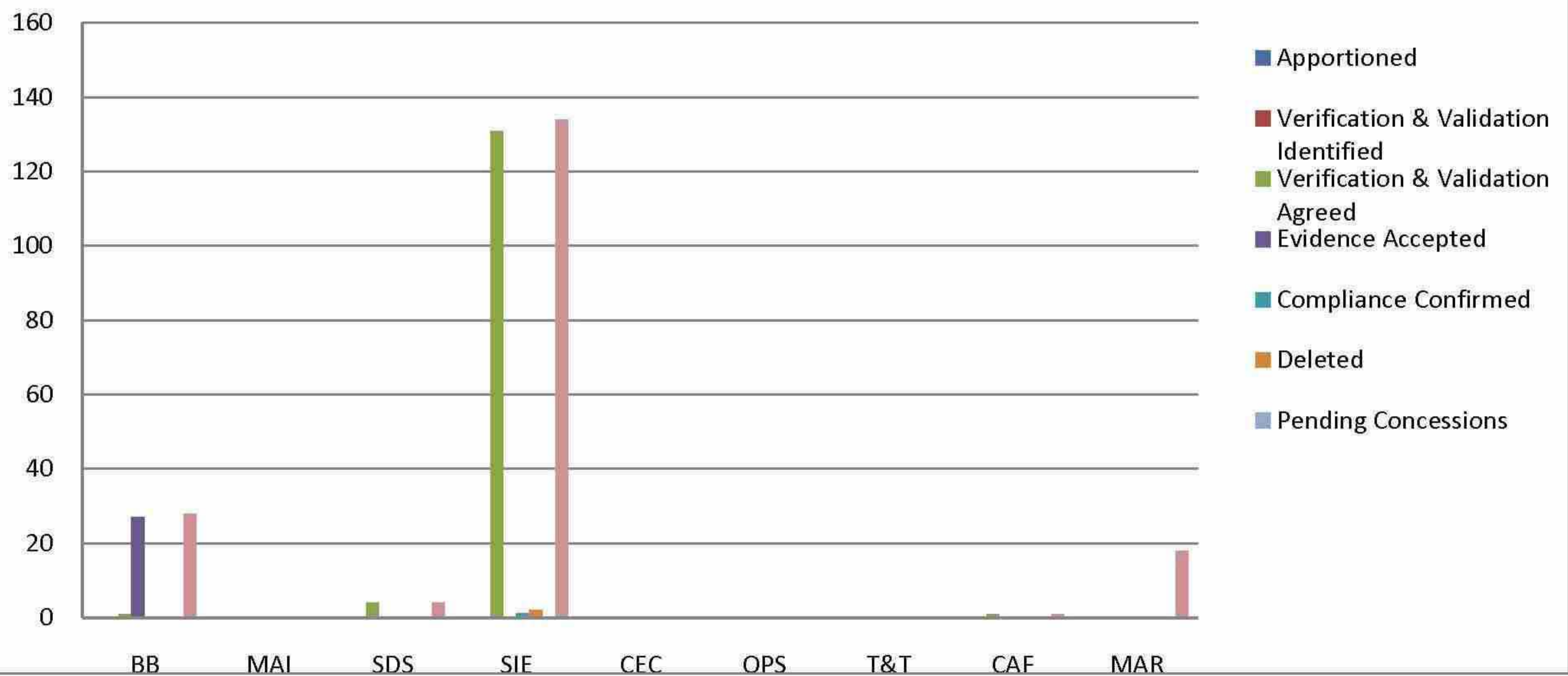
- Review of requirements is currently focusing on requirements associated with Section A handover. Currently 186 out of 435 Section A requirements are deemed 'compliance confirmed' – 45%, discussions are ongoing with B&S reviewing the remaining Section A requirements.
- In total 658 requirements are now deemed 'compliance confirmed, with a total of 15% of all requirements now compliance confirmed. TSS have now reviewed Chapter 30, 31 and 32 of the Employers Requirements. They are now reviewing chapters 18 and 23.
- A meeting was held on the 26th February with CAF and the Tram Inspector to review Chapter 24 of the Employers Requirements. As a result a number of requirements were deemed compliance confirmed and further information was submitted by CAF for review by the tram inspector.
- A walkround inspection of the depot has been arranged for the 14th March 2013 with CAF to review requirements that can be closed through 'Process Audit'.
- B&S are preparing a reporting mechanism for the Requirements Management process. This will be used next month should it be available to monitor progress.



Requirements Management Status for Section A Requirements



Requirements Management Status for Section B Requirements



Agreement/Document	Area of Interest	Items to be addressed in Document	Current Status	Current Activities Plan	Risks if not resolved	Action Owner	Action with	Target Date to Close Out
3rd Party Consents								
Network Rail - Asset Protection Agreement	Construction	This document governs the design approvals and permits to work consents along the Railway Corridor between Haymarket and Edinburgh Park	The existing APA period expired on 30 June 2011. It requested an extension as is permitted under the Agreement and NR have requested additional funding confirmation, and have indicated they may wish to review the obligations of this agreement. At present the revised APA has not been executed, but access to the site is available to BB.	Revised documentation now issued to NR for acceptance, NR have now responded with comments and revised fee forecast. Signed document now back with Network Rail.	Possible delay risk if NR refuse BB access to the site. To date the Contractor's WPPs have not consistently been submitted to the required standard expected of NR, so the risk remains that NR may seek to revise the APA terms to reflect an Outside Party Role, rather than a Third Party Role. This affords NR greater control over activities on or near the railway network.	Alasdair Sim	Network Rail	Jan-13
Substation Wayleaves - Haymarket	Construction	Substation lease agreement between CEC and leaseholder of NR owned land.	No physical blockers to the substation construction. Documents now under review by all parties.	CEC to enter into lease drawdown with NR and then sublease to SP. Wording now agreed with SPD.	Potential BBS design change and delay to construction if not resolved.	Alasdair Sim	Scottish Power	Jan-13
Substation Wayleaves - Cathedral Lane	Construction	Standard substation lease agreement	Final IFC's issued by BBS. CEC can now progress substation lease with SPD.	Draft lease agreement now with SPD.	Design delay risk if not resolved	Alasdair Sim	CEC	Jan-13
Network Rail - Bridge Agreement	Operations	Agreement to define responsibilities in relation to the Carrick Knowe and Edinburgh Park Bridges	This agreement is currently on hold. CEC have concerns in regard to an unlimited indemnities which are implied within the current drafting. CEC have considered progressing communication with ORR to seek advice in this regard. Need to re-engage in the process.	CEC to re-engage with NR, using the TS/NR Bridge Agreement template as a starting position. HBJ-GW have been appointed to provide advice.	LB cannot operate passenger services without an executed Bridge Agreement (Carrick Knowe and Edinburgh Park)	Alasdair Sim	CEC	Aim to move negotiations forward during 2012.
Network Rail - Operating Agreement	Operations	An agreement setting out key lines of communication and responsibilities between the tram operations and the national rail network	This agreement is currently on hold. CEC have concerns in regard to an unlimited indemnities which are implied within the current drafting. CEC have considered progressing communication with ORR to seek advice in this regard. Need to re-engage in the process.	Action on CEC to re-engage with NR.	LB cannot operate passenger services without an executed Operating Agreement	Alasdair Sim	Network Rail	Aim to move negotiations forward during Q1. 2013.
Network Rail - EMC and Immunisation approval			Testing and report to be issued on completion		LB cannot operate passenger services without an Network Rail Approval	Colin Kerr	BBS Michael Wilken	Mid 2013
Edinburgh Airport Ltd - EMC approval			Testing and report to be issued on completion		LB cannot operate passenger services without an EAL approval	Colin Kerr	BBS Michael Wilken	Mid 2013
Network Rail & First ScotRail Car Park Compensation Agreements	Compensation	Payment to indemnify FSR and NR against loss of car parking at Haymarket Station Car Park	Within available budget allowances. No of parking spaces affected is agreed with NR and FSR.	The matter cannot be completely closed out until BBS complete the works and the timeline over which compensation applies can be determined. The programme is now 18 months overdue in this area	No construction risk as this is a compensation matter.	Alasdair Sim	CEC	Unknown at this point. Construction programme not agreed/completed.
Network Rail - Servitudes	Land	Various servitude arrangements to be entered into between CEC and NR. These are all agreed and set out in the Framework Agreement	HBJ-GW appointed, work can get underway in registering these servitudes	HBJ-GW are ready to submit documents to NR - awaiting Robert Little to confirm NR legal Advisor	HBJ-GW have forwarded servitude documents to NR's legal advisor	Alasdair Sim	Network Rail	Mid 2013
Compensation - NIL	Land	Compensation as a result of CPO of land	Negotiations underway between the former landowner and CEC.	CEC have initiated the CRAD process in West Edinburgh	No project risk as this is a compensation matter.	Alasdair Sim	CEC	Unknown - depends on claimant
3 No. building fixings	Construction	Modified building fixings agreements for 76 Princes St, 78 Princes St and House of Fraser.	All three agreements have been modified with BBS consent. Currently with the relevant owners' advisors for final review and issue for signature.	Awaiting response from building owners, agreement imminent.	If not resolved, CEC will seek a Sheriff Court decision.			Jan-13
North Leith Storage Site Lease Extension	Construction	Storage area in Leith Docks for rail - site currently occupied by Siemens	Lease has expired, and CEC seeking extension to end 2013. CEC legal and owner's agent exchanging draft legal	drafting in progress	Little risk as site is already occupied, therefore tacit rights in place.	Alasdair Sim	CEC	Close out by mid Jan 2013.
Site Sharing Licence at Edinburgh Castle	Operations	This agreement is for a licence to permit the installation of radio equipment on Edinburgh Castle (required by Siemens)	CEC Legal and the Licensor exchanging drafting at present. No showstoppers envisaged.	CEC Legal discussing some drafting points with Bridge Systems.	Risk of delay to Siemens if not resolved.	Alasdair Sim	CEC	Close out by mid Jan 2013.
Section 21 Agreements - SW - Haymarket		Scottish Water approval	Review. been under take of all sewer crossing along the off street section of the route 2 required.	Draft wording for Edinburgh gateway with Scottish water, draft working for Haymarket with Network rail. Both hearing completion. Systemwide SW to provide a list for agreement.	Delay to formal approval from Scottish water	Alasdair Sim	SW/NR	Mid August 13.
Technical Informatives								
8 tram signage location	Design	Location drawings to be provided	comment 4886	Tramway Signage has now been agreed, with Clean copy sent to ICP for HMIR approval, informative closed December 2012. ORR approval awaited. Comments received from ORR, description required for each sign. Informative can now be closed.	Final agreement will not be obtained if not resolved.	Robin Goodwin	ICP	Closed
72 Earthing and Bonding details	Design	Full details of any earthing and bonding requirements that impact on CEC infrastructure need to be provided for review and approval	Comment 11244 to be closed Comment 11500 to be closed	Design with SDS, mock up of lamp column installation to be considered, attention should be given to Princes street interface. CEC have commented informative for E&B closed, Letter required from CEC to close out Lighting element. To close the design, the street lighting bollards should be connected early 2013. Informative to be closed, technical issues to be resolved on site.	Construction delay risk if not resolved	Robin Goodwin	BBS Michael Wilken	Closed
Other Approvals								
Notification of Development	Construction	Letter to be issued to third party	Notices required for New Ingliston	Notice of completion to be provided to CEC planning, by CEC following section B completion.	None	Andy Conway	CEC bob McCafferty	Apr-13
By Laws	Operations	System wide.	Document currently being drafted.	Bye laws to be agreed, and submitted to Council meeting in November 2012. Bye Laws agreed at CEC meeting now with M	operational running	Andy Conway	CEC bob McCafferty	Mar-13
Legal Agreements								
Program Software Escrow Agreement	Clause 102.16	Within 30 days of tie accepting the programs that InfraCo will provide under the InfraCo Contract, InfraCo must place the source code in escrow with the NCC Group of Manchester Technology (or	TO BE SIGNED WITHIN 30 DAYS OF TIE ACCEPTING THE INFRACO SOFTWARE - Siemens are to clarify these position	Siemens to provide details of agreement. by April 12. Draft due at the end of October 2012.		CEC, InfraCo and escrow provider.	Patrick Scully	Jul-14.
TSA Reliability Bond	On the certification of the twenty seventh Certificate of Tram Commissioning CAF must provide a reliability bond for 5% of the Aggregate Tram Price (approx. £2,789,081.65)	Clause 44.3 and part A of Schedule 10	tie/CEC	4th rider to be delivered to CEC before 20th November 2012, until date agreed at Marshall according to BBS programme review 15.05.13, rider to an ulterior date shall be agreed. Bond Now received until 15th May 2013	THIS BOND SHOULD BE PROVIDED ON THE ISSUE OF THE TWENTY SEVENTH CERTIFICATE OF TRAM COMMISSIONING	CEC, CAF and escrow provider.	Alejandro Urriza	May-13
TSA Tram Supplier Collateral Warranty	A collateral warranty to be granted by the Tram Supplier to tie, CEC, Transport Scotland, TEL and any other reasonable party at the request of the Client.	Clause 44.5	CAF, tie/CEC, Transport Scotland, TEL and any other parties receiving the collateral warranty	Contractual document. signed by CAF on may 2008	STATUS OF THE COLLATERAL WARRANTIES TO BE CONFIRMED BY CEC/T&T.	CEC, CAF and escrow provider.		Feb-13
TSA Escrow Agreement	Within 30 days of tie accepting software provided by CAF under the TSA, CAF must place the source code in escrow with the NCC Group of Manchester Technology (or another escrow agent), tie is required to enter into a standard escrow agreement for the escrow services. All costs will be met by tie	Clause 51.19.3 and Schedule 8	CAF, tie/CEC and NCC	Positive feedback from Actia and Kluge. Awaiting answer from Sepso. IFE F. Veley and soprano.	TO BE SIGNED WITHIN 30 DAYS OF TIE ACCEPTING SOFTWARE FROM CAF. SEE PREVIOUS NOTE ON THIS ISSUE RELATIVE TO THE INFRACO CONTRACT.	CEC, CAF and escrow provider.	Alejandro Urriza	Jul-14
TSA Sub-Contractor Direct Agreement	Specification (see the Tram Employer's Requirements) indicates that a Sub-Contractor Direct Agreement is required, the CAF must obtain a Sub-Contract Direct	Clause 69.8 and Schedule 18	Sub-Contractor, tie/CEC and CAF	CAF awaits an answer to e-mail dated 11 June 2012 with the proposal given by Kluge, in order to proceed with outstanding agreements (Kluge, Soprano, and IFE). Comments returned to CAF.	DEPENDENT ON SUB-CONTRACTING ARRANGEMENTS. T&T TO CONFIRM WHAT IS SPECIFIED IN THE TRAM EMPLOYER'S REQUIREMENTS.	CEC, CAF and escrow provider.	CAF	Feb-13
TMA Performance Bond	In the event that any part of the TMA is assigned, novated or otherwise transferred by the tie after the date of commencement of trial operation of the trams by Transdev (see Tram Maintenance Program)	Clause 46.1 and part 1 of Schedule 23	N/A	Not applicable, to be checked.	ONGOING OBLIGATION. DEPENDENT ON RELEVANT ASSIGNATION OCCURRING. TIE/CEC TO NOTE IN THE CONTEXT OF POTENTIAL FUTURE INVOLVEMENT OF THE OPERATOR.	CEC, CAF and escrow provider.	CEC	Feb-13
TMA Tram Maintainer Collateral Warranty	Collateral warranties to be granted at the tie's request by CAF in favour of CEC, Transport Scotland, TEL and any other party reasonably requested by the tie.	46.4 and part 2 of Schedule 23	CAF, tie/CEC, Transport Scotland, TEL and any other parties receiving the collateral warranty.	Contractual document. signed by CAF on may 2008.	STATUS OF THE COLLATERAL WARRANTIES TO BE CONFIRMED BY CEC/T&T.	CEC, CAF and escrow provider.	Alejandro Urriza	Jul-14
TMA Escrow Agreement	Within 30 days of tie accepting any programs produced by CAF under the TMA, CAF must place the source code in escrow with the NCC Group of Manchester	Clause 50.21 and Schedule 8 (of the Tram Supply Agreement)	CAF, tie/CEC and NCC	see TSA	TO BE SIGNED WITHIN 30 DAYS OF TIE ACCEPTING SOFTWARE FROM CAF. SEE PREVIOUS NOTE ON THIS ISSUE RELATIVE TO THE INFRACO CONTRACT.	CEC, CAF and escrow provider.	Alejandro Urriza	Jul-14
TMA Sub-Contract Direct Agreement	Where the Tram Maintenance Specification (see the Tram Employer's Requirements) indicates that a Sub-Contractor Direct Agreement is required, the CAF must	Clause 57.6 and Schedule 6	Sub-Contractor, tie/CEC and CAF	See TSA	DEPENDENT ON SUB-CONTRACTING ARRANGEMENTS. T&T TO CONFIRM WHAT IS SPECIFIED IN THE TRAM EMPLOYER'S REQUIREMENTS.	CEC, CAF and escrow provider.	Alejandro Urriza	Feb-13

Appendix 2 – Cost Report

Section 1 - Project Summary

	Budget Information			Committed			Forecast					Third Party Contributions		Variance		Actuals	
	A	B	C = A + B	D	E	F = D + E	G	H	I	J	K = F + G + H + I + J	L	M = K - L	N = M - C	O = M / C - 1	P	Q
	Original Budget	Budget Variation	Current Budget	Original Contract Value	Approved Contract Changes	Current Contract Value	Changes in Progress	Anticipated Change	Opportunities	Risk / Mitigated	Anticipated Final Cost	Estimated Contribution Value	Anticipated Final Project Cost	Budget Variance (Value)	Budget Variance (%)	COWD to Date	Outstanding Amount
Edinburgh Tram Programme	500,154	0	500,154	479,660	28,106	507,766	4,047	1,778	0	2,663	516,254	-8,060	508,194	8,040	2%	461,442	46,324
1 Infraco - Off Street	360,060	7,496	367,556	362,501	7,496	369,997	4,993	733	0	0	375,723	-6,067	369,656	2,100	1%	347,478	22,519
2 Infraco - On Street	38,817	3,216	42,033	47,384	3,216	50,600	-981	248	0	0	49,867	-1,693	48,174	6,141	15%	31,577	19,023
3 Infraco - Other	3,218	0	3,218	3,218	0	3,218	0	0	0	0	3,218	0	3,218	0	0%	678	2,540
2.1 York Place Direct Works	0	0	0		1,340	1,340		50			1,390		1,390	1,390		1,360	-20
4.1 Utilities (Post Mediation)	1,812	15,265	17,077	1,812	15,265	17,077	0	447	0	0	17,524	0	17,524	447	3%	16,742	335
4.2 Legacy Utilities (Revised Tram Route)	0	1,411	1,411	0	1,411	1,411	0	0	0	0	1,411	0	1,411	0	0%	1,383	28
4.3 Legacy Utilities (Leith Walk)	1,100	-627	473	1,100	-627	473	0	0	0	0	473	0	473	0	0%	198	275
5 Tram vehicles	62,400	5	62,405	63,645	5	63,650	35	300	0	0	63,985	-300	63,685	1,280	2%	62,026	1,624
6 Project Management (refer to CEC Report)		0	0			0					0		0	0			
7 Preparing for Operations (refer to CEC Report)		0	0			0					0		0	0			
8 Specified Risk Allowance	32,747	-26,766	5,981	0	0	0	0			2,663	2,663		2,663	-3,318	-55%	0	0

Comments:
Report excludes Enabling work packages reported under T19 and utilities reported under T18
Contributions include amounts relevant to reported budgets only. Any further contributions are reported by CEC.
Includes changes issued to 15/9/12

Risk:
No allowance included for ex-contract payments

Actions
Ongoing risk mitigation of major risks.
Realisation of opportunities associated with specification reductions (road surfacing) and time (York Place)

Edinburgh Trams
City of Edinburgh Council



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Infraco Cost Report Section 1 - Commercial Summary

	Budget Information			Committed			Forecast					Third Party Contributions		Variance		Actuals	
	A	B	C = A + B	D	E	F = D + E	G	H	I	J	K = F + G + H + I + J	L	M = K - L	N = M - C	O = M / C - 1	P	Q
	Original Budget	Budget Variation	Current Budget	Original Contract Value	Approved Contract Changes	Current Contract Value	Changes in Progress	Anticipated Change	Opportunities	Risk / Provision	Anticipated Final Cost	Estimated Contribution Value	Anticipated Final Project Cost	Budget Variance (Value)	Budget Variance (%)	COWD to Date	Outstanding Amount
Infraco Contract	402,095	10,712	412,807	413,103	10,712	423,815	4,012	981	0	0	428,808	-7,760	421,048	8,241	3.88%	379,733	44,082
Off Steet	360,060	7,496	367,556	362,501	7,496	369,997	4,993	733	0	0	375,723	-6,067	369,656	2,100	2.22%	347,478	22,519
00 Preliminaries and Other Items	150,408	6,847	157,255	150,409	6,847	157,256	4,813	0	0		162,069	0	162,069	4,814	3.06%	137,002	20,254
01 Newhaven Road to Haymarket	85,368	-3,136	82,232	87,738	-3,136	84,602	125	0	0		84,727	-318	84,409	2,177	3.03%	87,973	-3,371
02 Haymarket Corridor	8,692	107	8,799	8,692	107	8,799	0	0	0		8,799	-13	8,786	-13	0.00%	8,339	460
05 Roseburn Junction to Gogar	80,035	3,545	83,580	80,105	3,545	83,650	52	733	0		84,435	-4,631	79,804	-3,776	1.02%	79,507	4,143
06 Depot	19,979	345	20,324	19,979	345	20,324	3	0	0		20,327	0	20,327	3	0.01%	19,259	1,065
07 Gogar to Edinburgh Airport	15,578	-212	15,366	15,578	-212	15,366	0	0	0		15,366	-1,105	14,261	-1,105	0.00%	15,398	-32
On Street	38,817	3,216	42,033	47,384	3,216	50,600	-981	248	0	0	49,867	-1,693	48,174	6,141	18.64%	31,577	19,023
00 Preliminaries and Other Items	21,837	95	21,932	21,837	95	21,932	0	0	0		21,932	0	21,932	0	0.00%	12,499	9,433
01 Newhaven Road to Haymarket	16,980	3,121	20,101	25,547	3,121	28,668	-981	248	0		27,935	-1,693	26,242	6,141	38.97%	19,078	9,590
Other	3,218	0	3,218	3,218	0	3,218	0	0	0	0	3,218	0	3,218	0	0.00%	678	2,540
00 Maintenance & Mobilisation	2,205	0	2,205	2,205	0	2,205	0	0	0		2,205	0	2,205	0	0.00%	678	1,527
00 Spare Parts	1,013	0	1,013	1,013	0	1,013	0	0	0		1,013	0	1,013	0	0.00%	0	1,013

Comments:

Summary sheet values in £k. All other sheet values in £.
Opportunities include for time saving based on current QSRA.
Excludes £3.2m phase 1b payment (refer to budget T19.C)

Risk

Refer to Risk register for risks identified against infraco programme
All risk is held at programme level. This section of the cost report makes no allowance for risk.
Refer to the outputs of the QCRA/QSRA for further information on risk.

Actions

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Infraco Cost Report Section 2A - Approved Change - Clause 80

TNC No.	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
501	Hawthornevale Cycle Link - Change the design to widen the footway alongside the south side of Lindsay Road	20,021	20,021	0		01	01
502	Amend the design of Ocean Drive to reinstate the footpath to the north of Ocean Drive	10,231	10,231	0		01	01
503	OLE temporary portals at depot access bridge to allow finalisation without Edinburgh Gateway	67,646	67,646	0	Edinburgh Gateway funding	05	01
504	Review of the banned right turn into Blenheim Place as part of the design for Section 1C2 roads	46,247	46,247	0		01	01
505	York Place Terminal Point - Production of a feasibility report, initial feasibility design for option ii), run time modelling etc	228,653	228,653	0		01	01
506	Design for providing a new cycleway from the Mound to Princes Street	9,437	9,437	0		01	01
506.1	Design for providing a new cycleway from the Mound to Princes Street	1,669	1,669	0		01	01
507	Provide a clarification report and completion of the St. Andrew's Square Public Realm design	135,143	135,143	0	Included within contributions	01	01
508	Obtain EAL approval for the highways design drawings at Eastfield Avenue tram crossing	10,025	10,025	0		07	01
509	Design of Cathedral Lane Substation	233,596	233,596	0		01	01
511	Storm Water Connection from Gogar Lodge to the landowners new septic tank	5,750	5,750	0		05	01
512	Re-design of Ocean Terminal Bypass Road	53,685	53,685	0		01	01
513	Revised design to minimise utility diversions / conflicts - used for slit trenching and trial holes	156,870	156,870	0		01	02
514	Utility Mapping	92,756	92,756	0	Time chargeable costs. L&M Surveys and Class One. Complete	01	02
516	Additional Water main requirement at Depot and Mini Test Track	51,282	51,282	0		06	01
517	Additional BT Ducts at Depot and Mini Test Track	2,996	2,996	0		06	01
520	Valve chamber access and alteration works to 800mm water main at the Depot	105,326	105,326	0		06	01
524	Airport to Gyle - NIL Design Finalisation (also includes Construction)	-40,559	-40,559	0		07	01
525	Airport to Gyle - Site Access for Remedial Works	0	0	0	all costs associated with this change allocated to TNC 576	07	01
526	Airport to Gyle - Tram Delivery Temporary Works	6,878	6,878	0		07	01

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Infraco Cost Report Section 2A - Approved Change - Clause 80

TNC No.	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
529	Design Gogar Castle Access Road tram crossing and approaches	31,308	31,308	0		05	01
530	Amend the design of the Depot Road turning head as per RDC191. Option 2	30,458	30,458	0		06	01
531	Edinburgh Gateway - Advance Temporary Works design	9,349	9,349	0		05	01
534	SP Insurance Ducts - Install Insurance ducts at various locations	5,637	5,637	0		07	01
536	System Wide - Tramstop Cabinets - reduction in 10 years maintenance liability	0	0	0	No saving to contract	01	01
538	Depot - Tramwash Continuous Mode - Requirement for additional hand lances washers	0	0	0	Change rejected - included within contract	06	01
539	System Wide - Delay in signing - impact on commencement and completion - costs incurred at front end of programme	1,881,064	1,639,237	241,827	Amount relates to costs incurred by BBS due to delay in contract signing for early mobilisation. T&T have requested further evidence of these costs. However, BBS have refused to provide any further information.	00	04
540	Section 7 - Plot 304 - Omit Landscaping works	-201,120	-201,120	0		07	01
541	Princes Street - City Chamber - Annandale Street Communication Links. Usage of CEC available BT-Lines to avoid provision of direct FO link from Princes Street to City Chambers	180,000	180,000	0	Off and on street combined under Clause 80. Returned estimate £165,642.28. However, this excludes spares which need to be added	01	01
544	Extension to Edinburgh Park Office to accommodate CEC / Transport Scotland	159,900	159,900	0		00	01
546	Increased number of drainage boxes including installation	21,482	21,482	0		00	02
550	Shandwick Place OLE & Landscape Design Revision	0	0	0	Design costs to be grouped under tnc 562 (BBS PMC 045)	01	01
553	SDS to provide the services of Matt Fell until August 2012	153,000	153,000	0		00	02
555	Haymarket - OLE 196B design revision to avoid main sewer	0	0	0	Design costs to be grouped under tnc 562 (BBS PMC 045)	01	02
556	Track Work Materials York Place to Newhaven - Price Fixing for Rheda City C and D	0	0	0	Included in VE register	01	01
557	Haymarket 1 - OLE Base Relocations (Design mods)	0	0	0	Design costs to be grouped under tnc 562 (BBS PMC 045)	01	02
558	Site Wide - Provision of a CAD Technician	1,693	1,693	0		01	02

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Infraco Cost Report Section 2A - Approved Change - Clause 80

TNC No.	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
559	Detailed Design of York Place	56,438	56,438	0	tnc issued - awaiting BBS estimate	01	01
561	Omit all works at the Forth Ports area	-2,443,000	-2,443,000	0	Work deleted from scope.	01	01
562	On Street Generally - OLE Design Changes for On Street Section (PMC 045) - SIEMENS DESIGN WORKS	155,000	155,000	0	Includes original tnc 550, 555, 563	01	02
563	On Street - Amend pile caps from square / rectangular to circular	0	0	0	Design costs to be grouped under tnc 562 (BBS PMC 045)	01	02
565	Advanced design works for Edinburgh Gateway Minimum Option	2,599	2,599	0		05	01
565.1	Advanced design works for Edinburgh Gateway Minimum Option	3,350	3,350	0		05	01
566	On Street Generally - Ducting Design Changes Due to Utilities Conflicts	70,000	70,000	0		00	02
567	On Street Generally - Drainage Design Changes Due to Utilities Conflicts	155,000	155,000	0		00	02
568	On Street Generally - Trackform Design Changes Due to Utilities Conflicts	40,000	40,000	0		00	02
569	Additional Running Costs associated with the extension to the Edinburgh Park offices	79,200	79,200	0		00	01
571	Hope Street Junction Design	22,061	22,061	0		01	01
572	Cathedral Lane Substation - Retaining Wall Design	34,459	34,459	0		01	01
574	Haymarket Station - Delete viaduct cladding	-5,571	-5,571	0		02	01
576	Depot - Reinstatement to 250mm Water main Remedial Works	36,788	36,788	0		07	01
577	Haymarket Viaduct - Deletion of Sub Station Retaining Wall and Plinth	-4,608	-4,608	0		02	01
578	SI Provisional Sum Allowance	-57,984	-57,984	0		01	02
580	Cancellation of trackwork materials York Place to Newhaven	-1,100,000	-1,100,000	0	Change resulting from value engineering exercise	01	02
581	Omit Siemens work to Tower Place and Victoria Dock bridges	-100,000	-100,000	0	Change resulting from value engineering exercise	01	02
582	Delete proposed cladding installation costs on Roseburn Viaduct Structures	-308,004	-308,004	0	Change resulting from value engineering exercise	05	01
585	Descope of Service Vehicle	-21,565	-21,565	0		00	01

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TNC No.	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
586	St Andrew Square - tie in detail	15,228	15,228	0	Change resulting from value engineering exercise	01	01
587	Revise design for amendments to setts areas and specification	15,512	15,512	0	Subject to separate CEC budget	01	01
589	Descoping airport tramstop kiosk and canopy	-150,000	-150,000	0		07	01
591	Diversion of Scottish Power Cable at Haymarket Viaduct	19,842	19,842	0	NR contribution	05	01
593	Secondary Phase 1a - Cessation of Design Work North of York Place	0	0	0	Saving opportunity being investigated in relation to future ownership of design etc prior to finalising value.	01	01
594	Edinburgh Gateway slope option - design costs	0	0	0	Costs included in tNC 643	05	01
595	Haymarket Viaduct - Deletion of fitting out of Crew Relief Facility	-74,001	-74,001	0		05	01
597	Section 1D - Omit disconnection of Bus Tracker	-14,928	-14,928	0		01	01
601	Clarification on length of shelter to RBS tram stop (8m)	27,863	27,863	0		05	01
602	Omit purchase of poles for PIDs North of York Place	-23,740	-23,740	0		01	01
603	Bus Tracker Interface Specification	11,535	11,535	0	Cost based on option 2	01	01
605	Depot - Sub-Station Switching	81,250	81,250	0	Includes allowance up to Section B completion date (8/3/13)	06	03
607	Delete 110v sockets on On Street Tram Stops	-6,154	-6,154	0		01	01
608	Delete 110v sockets on Off Street Tram Stops	-36,851	-36,851	0		05	01
609	Traffic Management provision in section 1A	133,140	133,140	0		01	03
610	Edinburgh Gateway - Siemens Long Lead Items	0	0	0	Costs included in tNC 643	05	01
615	Haymarket Viaduct - design wall for blocking off void under the bridge deck as a result of the crew relief facility being omitted	1,900	1,900	0		05	01
616	Haymarket Viaduct - construct wall for blocking off void under the bridge deck as a result of the crew relief facility being omitted	10,798	10,798	0		05	01
617	Tram stops branding changes. Requirement for etched glass to be confirmed	0	0	0	Value TBC	05	01

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TNC No.	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
618	Gogar Depot 1800 mm Diameter Manhole - TQ736	6,176	6,176	0		06	01
619	Omit Track Welding Equipment	-14,420	-14,420	0		06	01
620	Airport Tram Stop Design	17,784	17,784	0		05	01
621	Amend the dates of the HV meter installation at substations	12,507	12,507	0		05	01
622	LV power for sub-station and Tramstop.	-1,000	-1,000	0	Power bills paid by CEC to be recovered from Infraco	05	01
623	Repair minor damage to Depot (Intercom, fence panel and broken slabs)	1,867	1,867	0		07	01
624	Compressed Air Supply to Depot Gantry Road and workshop	4,646	4,646	0		07	01
625	Engineering attendance on site at Cathedral Lane.	0	0	0	All costs captured against tNC 566	01	01
627	Delete pedestrian guardrail in the area outside St John's Church (Design)	0	0	0	No costs related to tNC	01	01
632	Resolve Depot Building water ingress	0	0	0	Assumed to be BBS liability	06	01
636	Twin Crossing at Lochside Avenue	37,152	37,152	0	Includes abortive cost of work carried out to date. Full forecast £140k as assumed work will no longer be carried out.	05	01
640	Unimog Insurance	-1,000	-1,000	0		00	01
643	Edinburgh Gateway Construction	3,416,010	3,416,010	0	Construction costs; excludes fees and OLE Poles (refer to tNC 594 & 610). Excludes any contingency which is reported separately by Transport Scotland	05	01
647	Design work to support VE on carriageway reconstruction & kerb realignment	50,000	50,000	0		01	01
648	Cabinet Position For Street Lighting - design	10,000	10,000	0	Provision of as-built drawings	01	01
649	Princes Street Blister - Design Works	0	0	0	No cost impact	01	01
652	Maintenance of The Depot Workshop Equipment	49,633	49,633	0		06	01
653	Provision of IFC Drawings in DWG CAD format	4,924	4,924	0		01	01

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TNC No.	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
655	Revise CCTV & PA coverage at Murrayfield tram stop	19,975	19,975	0		05	01
657	Drainage As Built Drawings - Princes Street	3,271	3,271	0		00	01
662	Eastfield Avenue Topographical Survey	2,587	2,587	0		07	01
663	Heras fencing at depot	6,424	6,424	0		06	01
664	Gogar Castle Access Road - Additional High Friction Surfacing	3,186	3,186	0	Requirements being investigated	07	01
666	Pedestrian gate next to the vehicle access gate at the ScotRail Depot.	4,906	4,906	0		05	01
667	Call off service to respond to Network Rail TQs and interface issues	20,000	20,000	0		05	01
668	De-scoping of Infraco works in York Place to be undertaken direct by Crummock.	-1,015,156	-1,015,156	0		01	01
669	SGN Remedial Works - backfill at New Ingliston Land	16,064	16,064	0		07	03
670	SDS Response to Road Safety Audit for Princes St	1,611	1,611	0		01	01
671	ScotRail car park security fence	10,000	10,000	0	Contribution from ScotRail to be reviewed	05	01
672	Amend drainage drawings to incorporate changes introduced through redesign process	21,000	21,000	0	Not to be provided by Infraco	06	01
673	Cancel order for OLE poles required for Secondary Phase 1a	-41,789	-41,789	0		01	01
674	Topographical survey at Eastfield avenue - DESIGN	0	0	0		07	01
675	Remove concrete around the water meter at the ScotRail Depot.	12,507	12,507	0		05	01
676	Design associated with work to Lord Bodo's Bar	0	0	0	BBS confirmed that the design work associated with this has been incorporated into PMC46 (tNC566). (25.1.201/SN/9826)	01	01
679	Works to prevent water stagnation at Depot (L8 Compliance)	0	0	0	Nil cost	06	01
683	Carry out trial holes to locate 125mm diameter pipe at Depot	3,348	3,348	0		06	01
684	Repair works to utility trough cover slabs damaged by tram deliveries	938	938	0	Potential opportunity to recharge to CAF contract	06	01

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TNC No.	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
685	Provide technical information on Lindsay Road works	7,090	7,681	-591		01	01
689	CAD resource and engineering support to revise drawings to show the layout required for Road Sign Bases, Street Light Columns, Traffic Signal Poles, Ducting and Chambers to avoid utilities	106,000	106,000	0		01	01
690	Remedial work to repair West Shunt line at Haymarket Depot	76,413	76,413	0		05	01
691	Cathedral Lane re-design	48,000	48,000	0		01	01
694	Traffic Light de-scope to West St Andrew St	-189,460	-189,460	0		01	01
695	Tanker Access Edinburgh Airport	1,445	2,500	-1,055		07	01
696	SGN as Built for New Ingliston Limited	3,414	3,414	0		07	01
701	Reinstatement works at the Airport	23,500	23,500	0		07	01
702	Eastfield Avenue Pedestrian Crossing	24,562	49,123	-24,562		07	01
703	Repair Switch Rail at Depot	831	831	0		06	01
704	Redesign of St Andrew Square - East	15,000	15,000	0		01	01
705	Re-design works due to NWR fence encroaching into the LoD	13,669	13,669	0		05	01
708	RailCom Software Interface	0	0	0	No cost impact	00	01
709	ScotRail Car park landscaping	0	0	0	No cost impact	05	01
711	Delete fence at Murrayfield tramstop and installation of fence at Royal Mail and ScotRail car park.	0	0	0	nil cost impact forecast - to be agreed with BBS	05	01
712	New fence and ramp at Murrayfield Wanderers FC	34,762	34,762	0		05	01
713	Haymarket - construction works outwith LOD	117,347	117,347	0		02	01
714	Edinburgh Park Central - Amend design to utilise CEC control panel	14,231	10,000	4,231		05	01
717	Cost Engineering in respect of the Programme (22 week saving)	4,306,540	4,037,382	269,159	Instructed by CEC. Refer to T&T letter dated 31/10/2012	00	01

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TNC No.	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
719	Clarification of requirements for installation of fare collection equipment	13,710	13,710	0		05	01
721	Installation of section isolators on the MTT.	23,519	23,519	0		07	01
723	Princes Street road safety audit for release of full Princes St plug	675	675	0		01	01
724	Murrayfield SW pipe - provide design calculations	3,266	0	3,266		05	01
725	Provision of DWG drainage drawings for handover to Scottish Water	1,280	1,280	0		05	01
726	Remove Murrayfield Thistle	-6,120	-6,120	0		05	01
731	Murrayfield SW pipe - provide CAD drawing to allow McNicholas to mark up the position on the sewer	120	120	0		05	01
737	Lower BT chambers at South Gyle to sit flush with ground level	-37,870	-37,870	0		05	01
742	South Gyle junction site survey	10,000	10,000	0		05	01
744	Carrickknowe golf course - additional drainage to alleviate flooding	10,000	10,000	0		05	01
746	Undertake imprinted prismo works at Murrayfield Tramstop.	0	0	0	No cost impact	05	01
748	Depot stabling area - additional power supply	0	0	0	No cost impact	06	01
750	Gogar Castle Access Road - Additional HFS and road safety signage	6,282	0	6,282		07	01
751	Gogarburn Hoarding - remove off site (hoarding originally installed by MUDFA)	2,500	0	2,500		07	01
752	Gogarburn Tramstop - New handrail to ramp	5,250	0	5,250		07	01
754	Additional earthing & bonding to demarcation fencing along Network Rail corridor	100,000	0	100,000	Refer to anticipated change for immunisation offset	05	01
755	Relocate signage at Gogarburn tram stop	1,200	0	1,200		07	01
Total		7,496,288	6,888,780	607,508			

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IC Ref No	Description	Agreed Amount	Previous Period	Change from Previous Period	Notes	Section Code
001	Independent Certifiers Schedule Part 45 Period End Change Order to 15/10/2011	8,593	8,593	0	Includes TNC 513, TNC 543, TNC 521	01
002	Independent Certifiers Schedule Part 45 Period End Change Order to 12/11/2011	102,135	102,135	0	Includes TNC513, TNC 521, TNC 528, TNC 535, TNC 543, TNC 547, TNC 548, TNC 549	01
003	Independent Certifiers Schedule Part 45 Period End Change Order to 10/12/2011	357,140	357,140	0	Includes TNC535, TNC543, TNC548, TNC549, TNC551	01
004	Independent Certifiers Schedule Part 45 Period End Change Order to 6/1/2012	158,870	158,870	0	Includes TNC535, TNC543	01
005	Independent Certifiers Schedule Part 45 Period End Change Order to 4/2/2012	332,812	332,812	0	Includes TNC535, 543, 551, 554, 596, 598	01
006	Independent Certifiers Schedule Part 45 Period End Change Order to 3/3/2012	244,645	244,645	0	Includes TNC543, 547, 554, 600, 604, 606	01
007	Independent Certifiers Schedule Part 45 Period End Change Order to 31/3/2012	209,363	209,363	0	Includes TNC 543, 547, 554, 600, 604, 606, 629, 630	01
008	Independent Certifiers Schedule Part 45 Period End Change Order to 28/4/2012	235,258	235,258	0	Includes TNC 543, 554, 590, 596, 600, 604, 606, 629, 630, 631	01
009	Independent Certifiers Schedule Part 45 Period End Change Order to 26/5/2012	-33,988	-33,988	0	Includes TNC 543, 547, 549, 554, 570, 584, 590, 596, 600, 604, 606, 629, 630, 635, 645	01
010	Independent Certifiers Schedule Part 45 Period End Change Order to 23/6/2012	286,757	286,757	0	Includes TNC 547, 549, 554, 596, 599, 600, 606, 613, 629, 630, 635, 637, 639, 645	01
011	Independent Certifiers Schedule Part 45 Period End Change Order to 21/7/2012	169,141	169,141	0	Includes TNC 543, 547, 554, 583, 600, 606, 629, 630, 635, 639, 645	01
012	Independent Certifiers Schedule Part 45 Period End Change Order to 18/8/2012	129,875	129,875	0	Includes TNC 547, 554, 600, 606, 639, 645, 698	01
013	Independent Certifiers Schedule Part 45 Period End Change Order to 15/9/2012	286,456	286,456	0	Includes tNC 554, 584, 596, 599, 600, 606, 639, 641, 645, 693	01
014	Independent Certifiers Schedule Part 45 Period End Change Order to 13/10/2012	111,120	111,120	0	Includes tNC 543, 554, 584, 596, 599, 600, 604, 606, 639, 641, 681, 693	01
015	Independent Certifiers Schedule Part 45 Period End Change Order to 10/11/2012	195,887	195,887	0	Includes tNC 543, 547, 554, 564, 583, 584, 599, 600, 606, 637, 639, 641, 665, 678, 680, 682, 687, 693	01
016	Independent Certifiers Schedule Part 45 Period End Change Order to 8/12/2012	269,773	269,773	0	Includes tNC 543, 554, 583, 584, 599, 606, 629, 639, 641, 665, 678, 682, 687, 693, 700, 735	01
017	Independent Certifiers Schedule Part 45 Period End Change Order to 5/1/13	152,336	0	152,336	Includes tNC 554, 583, 584, 606, 614, 639, 641, 660, 693, 699, 707, 728	01
Total		3,216,172	3,063,836	152,336		

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TNC No.	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
527	Ingliston - Reimbursement of Costs paid directly to SGN for the diversion of approximately 120m of 10" steel IP gas main to accommodate the new Edinburgh Tram at Ingliston	0	0	0	Saving from Infraco, not included during the period as cost not shown in utility budget	07	01
539.1	System Wide - Delay in signing - impact on commencement and completion - prolongation costs at end of programme	2,660,097	2,901,924	-241,827	Entitlement and certification governed by IC Opinion and CEC Instructions	00	04
625	Engineering attendance on site at Cathedral Lane.				All costs captured against tNC 566	01	01
628	Prepare MUDFA As Built drawings	125,000	125,000	0	Requirements to be confirmed	01	01
651	Defer Off Street Tramstop Shelter Installation and Fit-out	50,000	50,000	0		05	01
661	Blank off signage to Depot	0	10,000	-10,000	It is assumed that this will no longer be required	05	01
710	Gogar Depot - Repair areas of damaged flooring	3,000	3,000	0		06	01
717.1	Cost Engineering in respect of the Programme (22 week saving)	2,153,270	2,422,429	-269,159	Instructed by CEC. Refer to T&T letter dated 31/10/2012	00	01
720	Resolution of clash between security gate and trash compactor gate - ScotRail Depot	2,000	2,000	0		05	01
732	Roseburn Street road build up - descope	0	0	0		05	01
745	Remove buff coloured HFS from Carrick Knowe Bridge and Edinburgh Park Viaduct	0	-2,000	2,000	Nil cost	05	01
753	Additional retaining measures at Network Rail OLE stanchions	0	0	0	Refer to Anticipated change	05	01
Total		4,993,368	5,512,353	-518,986			

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Infraco Cost Report Section 3B - Change in Progress - Schedule 45

TNC No.	Description	In Progress	Certified	Total Forecast	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
513.1	Revised design to minimise utility diversions / conflicts - used for slit trenching and trial holes	0	17,210	17,210	17,210	0		01	02
521	Haymarket - Temporary Accommodation	0	1,543	1,543	1,543	0		01	02
522	Haymarket 1 - Road Reconstruction	0	0	0	0	0	Included in VE register	01	02
523	Haymarket 1 - Additional CBR / Plate Testing	0	0	0	0	0	Included within on street priority works (contract milestones)	01	02
528	Haymarket 1 - Slit trench excavation to validate utilities	0	6,565	6,565	6,565	0	Included within on street priority works (contract milestones)	01	02
532	Princes Street - Temporary traffic management design - WITHDRAWN	0	0	0	0	0	No costs	01	02
533	Princes Street - 500mm Water Main Diversion	0	0	0	0	0	Costs contained within 535	01	02
535	Princes Street - 500mm Water Main Diversion - rev 3 dwg	0	252,986	252,986	252,986	0		01	02
537	Haymarket 1 - Additional visit of Tar planer to facilitate slewing of BT ducts - WITHDRAWN	0	0	0	0	0	Withdrawn	01	02
543	Haymarket H1 - Utilities affecting the construction of OHLE foundations	173	272,070	272,244	272,070	173	Only covers section H1. H2 to YP included in item 7 of Anticipated Change.	01	02
545	Site Wide - Power to bus trackers affecting the ability to remove site clearance items	0	0	0	0	0	McNicholas to remove. Contra charge BBS; allowance included for BBS attendance	00	02
547	Haymarket H1 - Third Party (McNicholas) affecting ability to progress the works	0	12,022	12,022	12,022	0		00	02
548	Haymarket H1 - BT Fibre Optic Service requires diverting	0	83,053	83,053	83,053	0		00	02
549	Princes Street - Amend the design of the St. Johns Church OLE bases	0	32,642	32,642	32,642	0		01	02
551	Princes Street - 2011 Christmas Embargo - Temporary Surfacing of Track Infills	0	203,511	203,511	203,511	0		01	02
552	Princes Street - BT diversion @ junction of Princes Street and South St. David Street	0	0	0	0	0	Costs included within TNC 535	01	02
554	St Andrew Square & Shandwick Place - Traffic Management Requirements	12,586	282,209	294,795	282,645	12,150	Refer to Revised issue of TNC	01	02
560	St. Andrew Square - Omit work North South & West St Andrew Square and St David Street	-2,050,000	0	-2,050,000	-2,050,000	0	Includes all descope works	01	02
564	Worksite Modelling - (TM)	0	6,023	6,023	6,023	0		01	03

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TNC No.	Description	In Progress	Certified	Total Forecast	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
570	Omit the Removal of Trees in Shandwick Place	-9,066	3,299	-5,767	-5,767	0		01	02
579	Removal of embargo and revised traffic management	0	0	0	0	0	Change resulting from value engineering exercise	01	02
583	Ordering setts for on street works	-111,767	91,767	-20,000	-20,000	0	Saving based on spreadsheet issued to CEC (GE to AC 22/05/2012). Final value still to be agreed with BBS	01	02
584	Road Reconstruction specification	-353,767	133,767	-220,000	-365,520	145,520	Change resulting from value engineering exercise	01	02
588	Stafford St Return of Parking Spaces	0	0	0	0	0		01	02
590	New cycleway from The Mound into Princes Street	0	30,375	30,375	30,375	0		01	02
596	Section 1D - Costs associated with amended drainage design	0	-6,644	-6,644	-6,644	0		01	02
598	Section 1D - Incorporate geotextile liner into Clifton Terrace void in accordance with requirements from Archaeologist	0	1,760	1,760	1,760	0		01	02
599	Floating track slab	247,217	252,783	500,000	495,725	4,275	Bilfinger have agreed to deduct risk allowance and add actual scope only. Final detailed scope and price agreed with Siemens	01	01
600	Shandwick place - OLE bases affecting utilities (Piling)	-3,000	338,509	335,509	338,509	-3,000		01	02
604	St Andrew Sq - OLE bases affecting utilities (Piling)	0	43,429	43,429	43,429	0		01	02
606	York Place - Waverley Bridge - Works Delayed and disrupted as a result of works carried out by Third parties	23,607	364,536	388,143	380,107	8,035		01	02
611	Excavation of Track Slab to be carried out by McNicholas	-100,000	0	-100,000	-100,000	0	Refer to Anticipated change section for costs	01	01
612	Tram stops branding changes. Requirement for etched glass to be confirmed (cost excluded)	0	0	0	0	0	Value TBC	00	01
613	Temporary Bus Station at St Andrew Square/Waterloo Place - design	40,293	8,885	49,178	49,178	0		01	01
614	Rothsay Place Traffic Management Amendment	4,725	5,275	10,000	10,000	0		01	01
629	Utilities affecting Track Excavation at Shandwick Place (S1)	0	41,030	41,030	41,030	0		01	02
630	Utilities affecting Track Excavation at Shandwick Place (S2)	0	26,867	26,867	26,867	0		01	02
631	Third parties affecting progress at Shandwick Place (S2)	0	7,161	7,161	7,161	0		01	02

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TNC No.	Description	In Progress	Certified	Total Forecast	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
633	Ponding on Princes St at junctions of Frederick St/Castle St	0	0	0	0	0	Costs included in OSWE - allocated to other tNCs	01	01
634	Descope duct installation at Cathedral Lane	0	0	0	0	0	Part of York Place descope	01	01
635	Amend on street drainage scope	0	9,044	9,044	9,044	0		01	02
637	St Andrew Square Pedestrian Crossing	0	5,213	5,213	5,213	0		01	01
638	Remove pedestrian guardrail outside St John's Church	5,000	0	5,000	5,000	0		01	01
639	York Place - Traffic Management Design	52,722	178,278	231,000	230,920	80		01	01
641	Cathedral Lane substation - scope change to suit Henderson Global requirements. Excludes demolition.	579,117	45,883	625,000	625,000	0	This allowance is for the extra over cost included in the contract for construction of the new tram substation. It includes allowances for the revised substation and associated retaining wall.	01	01
642	York Place temporary Tram Stop	944,000	0	944,000	944,000	0	Excludes design work (see tNC 505) and sheet piling work to strengthen basement (included in risk allowance).	01	01
644	Finials for On Street Poles	0	22,880	22,880	22,880	0		01	01
645	Princes Street Outstanding Works	0	238,136	238,136	238,136	0		01	01
646	Cabinet Position For Street Lighting	20,000	0	20,000	20,000	0	Relates to locations only - assume no additional work	01	01
650	Princes Street Blister	0	0	0	0	0	Costs covered elsewhere in OSWE	01	01
654	De-scope coloured high friction surfacing at Princes / Sth St David Street Jctn	0	0	0	0	0	Savings contained in tNC 560	01	01
656	Defer On Street Tramstop Shelter Installation and Fit-out	10,000	0	10,000	10,000	0		01	01
658	Clarification of scope to Shandwick Place Wall	0	0	0	0	0	Work to be descope from BBS. No adjustment as work will be carried out by others.	01	01
659	Road signage at Junction of Manor Place / Melville Street	2,000	0	2,000	2,000	0		01	01
660	Princes Street Traffic Management	5,920	4,080	10,000	10,080	-80		01	01
665	Removal of Princes Street "plug"	0	4,840	4,840	4,840	0	Current requirements to be established	01	02

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Infraco Cost Report Section 3B - Change in Progress - Schedule 45

TNC No.	Description	In Progress	Certified	Total Forecast	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
677	Install 20mph roundels on Lansdowne Crescent	1,500	0	1,500	1,500	0		01	01
678	Temporary traffic management design at York Place to keep bus station access open	2,698	14,185	16,883	14,185	2,698		01	01
680	Coates Crescent - Bus running single lane	8,105	1,895	10,000	10,000	0	Feasibility study	01	01
681	Hoarding design for York Place	0	0	0	0	0		01	01
682	Desclope work associated with street lighting, road signage & traffic signals	-505,873	5,873	-500,000	-497,898	-2,102	Previously included in anticipated change section	01	01
686	Alter kerbs next to CEC Connection Manhole	1,000	0	1,000	1,000	0		01	01
687	Relaxation of specification Appendix 11/1 to allow new in lieu of recovered whin kerbs	42,999	49,501	92,500	60,705	31,795		01	01
688	Desclope footways outside Atholl & Coates Crescent	0	0	0	0	0	Included in forecast for road reconstruction saving	01	01
692	Installation of additional traffic management measures around St. James Centre car park	15,000	0	15,000	15,000	0		01	01
693	Footway and kerbing reinstatement in Shandwick Place	0	26,531	26,531	26,614	-83		01	01
697	Remedials to Clifton Terrace kerb and footway	10,000	0	10,000	10,000	0		01	01
698	Removal of Contaminated Material in SP4	0	61,619	61,619	61,619	0		01	01
699	Pedestrian walkway from Haymarket Station	1,395	3,605	5,000	5,000	0		01	01
700	Hope Street Junction Works	22,500	7,521	30,021	30,021	0		01	01
707	Traffic Management adjacent Apple store (Princes St)	7,951	2,049	10,000	10,000	0		01	01
716	On Street Building Fixings	0	0	0	0	0	Schedule E Exclusion form the contract	01	02
718	De-Scope High Friction Surfacing on Waverley Bridge	-5,654	0	-5,654	-5,654	0		01	01
722	De-scope bus shelters, bus trackers and associated power supplies	-20,000	0	-20,000	-20,000	0		01	01
728	Pedestrian management requirements over Christmas shutdown	4,656	13,729	18,385	16,637	1,748		01	01
729	Princes St/South St Andrew St - Traffic Light Alterations	40,000	0	40,000	40,000	0		01	01

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Infraco Cost Report Section 3B - Change in Progress - Schedule 45

TNC No.	Description	In Progress	Certified	Total Forecast	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
730	De-scope tram duct crossing at Haymarket	-5,000	0	-5,000	-5,000	0		01	01
733	Palmerston Place/West Maitland St/Torphichen Pl - Tactile Paving	5,000	0	5,000	0	5,000		01	01
734	West Maitland Street / Manor Place traffic signals	4,000	0	4,000	4,000	0		01	01
735	Additional walls required at Queensferry Street/Hope St Junction	41,321	8,679	50,000	48,679	1,321		01	01
736	Road Markings for Bus Stops and Loading Bays on Shandwick Place	2,500	0	2,500	2,500	0		01	01
738	Descope Site Clearance Items	0	0	0	0	0		01	01
739	Dublin St Steps - clarification of scope	0	0	0	0	0	Refer to anticipated change section for cost allowance associated with amended scope	01	01
740	Haymarket Island - amend levels	5,000	0	5,000	5,000	0		01	01
741	Street Lighting poles - clarification of scope	15,000	0	15,000	15,000	0	Assumes that CEC will credit project for unused light columns	01	01
747	Princes St. tram stop remedials	5,000	0	5,000	0	5,000		01	01
749	De-scope of footway works outside Haymarket Station	-5,000	0	-5,000	0	-5,000		01	01
756	Walkways at Shandwick Place for next two international rugby matches	5,000	0	5,000	0	5,000		01	01
Total		-981,142	3,216,172	2,235,030	2,022,499	212,531			

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Infraco Cost Report Section 4 - Anticipated Change

Ref No	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
4	Pricing Assumptions - 6.4.2.6 Dublin Street	70,000	70,000	0	Excludes piling if required. Includes allowance for works to adjacent properties.	01	02
6	Track Lowering - bridging trackform over utilities in St Andrew Square	75,000	75,000	0	Requirement for 30m section in St Andrews Square. Costs included in OSW Estimate	01	02
14	Roseburn Delta - non DDA footpath	30,000	30,000	0	No design required. Temporary footpath alignment to be agreed on site. Potential modifications to surface water drainage resulting from revised earthworks and Scottish Water approvals.	05	01
24	Remove drainage from Infraco scope	-80,000	-80,000	0	Section 1D now included in tNC 68. Remaining allowance for section 1C to be finalised	01	01
28	Opportunity to reduce cost associated with the temporary tram stop at York Place	-150,000	-150,000	0	Design optimisation - still to be realised	01	01
30	Schedule Part E, Item 8. Trackside Signage	37,320	37,320	0	Includes allowance for additional signage requirements identified during the testing and commissioning	01	01
32	Schedule Part E, Item 11. Unsuitable building fixings Section 1A	118,258	118,258	0	Initial verbal quote received from Siemens indicating that cost will be within this total	01	01
33	Schedule Part E, Item 12. SDS Lighting Design update impacts OLE combined poles	62,200	62,200	0	Current requirements to be established	01	01
42	Re ballast shunt line	75,000	75,000	0		05	01
45	TVM Installation - Off Street	125,000	125,000	0	Includes allowance for additional TVM's from contract requirements, relocating power and comms supplies as required to accommodate design and provision of bases.	05	01
46	TVM Installation - On Street	30,000	30,000	0	Includes allowance for additional TVM's from contract requirements, relocating power and comms supplies as required to accommodate design and provision of bases.	01	01
48	Additional track drainage boxes in St Andrew Square as per BS PMC 231	10,000	10,000	0	Notified on BBS letter ref 060288 dated 13/11/12	01	02

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Infraco Cost Report Section 4 - Anticipated Change

Ref No	Description	Forecast Amount	Previous Period	Change from Previous Period	Notes	Section Code	Change Code
49	Rescoping of work included in York Place Crummock contract	75,000	75,000	0	This is likely to include excavation of road outside of area excavated by Crummock and any fill required to make up levels not carried out as part of the Crummock contract	01	01
51	Russell Road Retaining Wall	327,500	0	327,500	Work required to resolve proximity to Network Rail asset. Subject to discussions on liability between CEC / Bilfingers / Network Rail. IC agreed £50k on account payment to Bilfinger at period ending 2/2/13 application.	05	01
52	Additional retaining measures at Network Rail OLE stanchions	175,000		175,000	Work required to resolve proximity to Network Rail asset. Subject to discussions on liability between CEC / Bilfingers / Network Rail.	05	01
Total		980,278	477,778	502,500			

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Infraco Cost Report Section 5 - Opportunities

Ref No	Description	Approved Changes	Changes in Progress	Anticipated Changes	Contributions	Secured	To be secured	Total Opportunity	Value per CS report Jan 2012	Notes
01	Remove embargoes and revised TM	0	0	0	0	0		0	-6,460,000	Subject to completion of sections in advance of contract dates. Initial opportunity based on 22 week time saving assumed in the Rev 4C programme. Current master programme indicates 4 week saving as a result of York Place
02	Edinburgh Gateway	0	0	0	-3,416,010	-3,416,010	0	-3,416,010	0	Awaiting instruction from Transport Scotland
03	St Andrew Square Public Realm (separate CEC budget)	0	-20,000	0	-1,025,600	-1,045,600	0	-1,045,600	-1,000,000	Funded by separate CEC budget (added to contributions register)
04	De-scope public realm at St Andrew Sq	0	-2,050,000	0	0	-2,050,000	0	-2,050,000	-700,000	Instructed
05	Contributions 3rd Party Agreements	0	0	0	-3,000,783	-3,000,783	0	-3,000,783	-2,500,000	Refer to contributions register
06	De-scope works at Forth Ports	-2,443,000	0	0	0	-2,443,000	0	-2,443,000	-2,450,000	Instructed
07	Omit Airport Tram Kiosk and Canopy	-150,000	0	0	0	-150,000	0	-150,000	-150,000	Approved, replacement materials t.b.c
08	Temporary tram stop at York Place	0	0	-150,000	0	-150,000		-150,000	-150,000	Design optimisation
09	Redeployment of Trams	0	0	0	0	0	0	0	-5,000,000	Included in CEC budget code
10	Cancel track York Place to Newhaven	-1,100,000	0	0	0	-1,100,000	0	-1,100,000	-1,100,000	Instructed
11	Omit Siemens works at Tower Place	-100,000	0	0	0	-100,000	0	-100,000	-100,000	Instructed
12	Turner & Townsend / CEC resources	0	0	0	0	0	0	0	0	Ongoing
13	Shared recovery vehicle	0	0	0	0	0	0	0	0	Not taken forward
14	Road re-construction depth	0	-220,000	0	0	-220,000	0	-220,000	-700,000	Principles instructed, saving subject to site conditions
15	Design freeze north of York Place	0	0	0	0	0	0	0	-250,000	Infraco design costs expended
16	Reduced requirement for storage	0	0	0	0	0	0	0	-1,000,000	Included in CEC budget code
17	Lay off TM at Forth Ports/Leith Walk	0	0	0	0	0	0	0	-180,000	TM not included in Infraco budget provision
18	Roseburn Viaduct Cladding	-308,004	0	0	0	-308,004	0	-308,004	-300,000	Instructed