

Other Responses

Where:

“Urgent” equates to a service effecting failure or a safety related failure.

“Typical” equates to non-service effecting failures.

All Service levels are subject to availability of staff (see section 4.1.9)

Company Request Type	Required acknowledgement time	Required 'Activity Completion' target response time	Notes
Emergency Request Telephone or e-mail (an advanced informal copy to be followed up with a formal TQ)	No later than [redacted] business minutes (A non automated response to confirm that 1) the work has been received, 2) it has been assigned 3) an estimated date for completion (if known at that time)	a) Completion [redacted] b) Preliminary report of findings no later than [redacted] days c) status reports e-mailed to the Company once a [redacted]	In case escalation is necessary, three (x3) contact telephone numbers for a total of three escalation levels through to Contractor director level shall be required
Urgent Request	No later than [redacted] business hours	a) Completion [redacted] b) Preliminary report of findings no later than [redacted] days c) Status reports e-mailed to the Company every [redacted] business days until completion	
Urgent Request - CR	No later than [redacted] business hours	a) Completion [redacted] b) Preliminary report of findings no later than [redacted] days c) Status reports e-mailed to the Company every [redacted] business days until completion	
Typical Request - Telephone or e-mail	No later than [redacted] business days	a) Preliminary report of findings no later than [redacted] days b) Contractor to investigate and aim to respond by e-mail within [redacted] business weeks	
Typical Request - TQ	No later than [redacted] business days	Contractor aims to respond fully within [redacted] business weeks	
Typical Request - CR	No later than [redacted] business days	Completion date to be agreed case by case between the Contractor and the Company	

SCHEDULE 3F

THE SPECIFICATION – VICTORIA LINE CONTROL CENTRE

1.0 REQUIREMENTS

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Appendix 1

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FIGURE 4 – BLOCK SCHEMATIC OF VICTORIA LINE ACTON TRAINING RIG FACILITY

Appendix 2

Subsystems of the ATS and (BUCF)

Appendix 3

Subsystems of the TSS

Appendix 4

TQ's responses

1.0 Requirements – Victoria Line Services

The Requirements specific to the provision of Victoria Line Services are as set out in the Specification Section 4.1. Insofar as it applies to the provision of the Victoria Line Services. For the avoidance of doubt Section 4.1 as stated in the specification continues to apply to the Central Line Services.

1.1 Overriding Requirement

- 1.1.1 The Contractor is to provide Victoria Line Services to support the overall maintenance, functionality, performance and reliability of the software that controls and operates the Signalling Control Centre HW equipment covered in Appendices 1,2,3,4 hereto such that they remain compliant as specified and called up in “Section 2 Standards”.
- 1.1.2 The Contractor shall make available software and assurance engineering support to perform Victoria Line Services.
- 1.1.3 The Contractor will make available a project manager or commercial manager to attend meetings and manage the Victoria Line Services on their behalf.
- 1.1.4 The Contractor shall provide the Victoria Line Services during normal office hours only unless otherwise agreed on a case by case basis, where normal office hours means between 8am and 4:30pm Monday to Friday excluding bank holidays and the Contractor’s Xmas shut down period. If support is required outside normal office hours then this may be provided subject to prior agreement of a further variation detailing the terms applicable thereto.
- 1.1.5 The Contractor will manage absence to minimize the occasions where resources are unable to provide urgent support.
- 1.1.6 The Contractor is to support the Company in the training of the Engineers, in accordance with Company priorities, during the Victoria Line Signalling Control Centre Software Support Period. In order that logs can be interpreted and better understood, further enabling software to be improved and developed.
- 1.1.7 Software Change Requests to the Victoria Line Signalling Control Centre Software and its associated Simulators are to be written and designed as agreed between the Company and the Contractor. These changes may be for corrective purposes improvements and/or enhancements.
- 1.1.8 System Logs - Analysis of SW and system logs of the Victoria Line Signalling Control Centre Software and its associated Simulators, when requested, for the purpose of investigating associated system failures including the provision of ad hoc advice via telephone or email to nominated persons.
- 1.1.9 Following analysis, and where a specific problem has been identified, the Contractor shall provide the Company with a formal recommended remedial solution to resolve the problem.
- 1.1.10 The Contractor is to support the Company in the coaching / training of the Company’s Maintenance Engineers.

1.2 Maintenance Philosophy

1.2.1 Corrective Maintenance

This covers the rectification of faults for software related issues.

It also covers the analysis of any Victoria Line Signalling Control Centre Software data logs to clarify causes of any other Victoria Line railway associated fault, when appropriate or possible.

1.2.2 System Maintenance Support

On occasions there may be a requirement to provide advice and support and modify or enhance the Victoria Line Signalling Control Centre Software. The Contractor may be requested to write and design any software changes. The Contractor shall provide advice and support on SW compatibility with new hardware (HW).

- 1.2.2.1 The Contractor may be requested to give advice on SW compatibility with any hardware that is proposed for use, and how this will interface with any software changes to the Victoria Line Signalling Control Centre Software.
- 1.2.2.2 If the Contractor identifies during the normal work of this Contract, an improvement to the Victoria Line Signalling Control Centre Software, the Contractor should notify the Contract Manager and await further instruction.
- 1.2.2.3 The Contractor may be requested from time to time to visit in person any of the Company's locations as detailed in this scope to install/ reinstall software. As such the Contractor will provide all the Equipment and resources to do so, subject to the provision of a suitable variation order.

1.3 Emergency Remedial Maintenance

- 1.3.1 In the event of an emergency situation arising, the Company shall nominate two to three contact persons from within C&I Group, dependent upon circumstances to liaise with the Contractor for the issue.
- 1.3.2 Upon receipt the Contractor will 1) review the data, 2) confirm if they can comply with it, 3) confirm the date by which time they will complete the task.
- 1.3.3 Once the initial contact has been made any follow up calls made between the Company and the Contractor may be made direct between the Contractors advisor and the nominated relevant person, but shall be formalised in writing by email and copied to the nominated Company Contract Manager and the Contractors Project Manager so that a record of all communications may be retained.
- 1.3.4 It will be the Contract Manager or their designated deputy's responsibility to advise of the urgency of the request. Subject to this advice the Contractor will use all reasonable endeavours (under the terms of this contract) to redirect staff to undertake analysis of the data logs in accordance with the Company's requirements.
- 1.3.5 It will remain the responsibility of the Company to ensure that for each instance all relevant logs are made available to the Contractor in order that a full analysis can be undertaken.
- 1.3.6 In the event that emergency log analysis is requested, all other outstanding works orders shall be frozen by the Contractor until such time as the emergency analysis has been completed to the satisfaction of the Company.

1.4 Resources

- 1.4.1 Prior to the commencement of this Contract the Contractor shall provide resources that meet the standards called for Details of each labour resource, is to be detailed by issuing CV's and training records.
- 1.4.2 The Contractor shall provide a rolling programme detailing the planned future works which the Contractors engineers will be undertaking as part of this contract which shall be agreed with Company.

1.5 Responses

- a) Response to advice request and activity reporting shall be agreed, such that work done and Contractor performance can be analysed.

- b) Response timescales for any Software Change Requests for the system, raised by the Contractor, will be processed by order of priority or urgency as agreed with the Company.
- c) However, for SW Change Request that have been identified as an urgent situation, the Company will reprioritise the work such that the urgent work takes priority and aim to complete within one month maximum, provided the complexity of the modification allows for such a time scale to be achieved or to a time scale mutually agreed.
- d) Response Timescales for System Log Queries or Advice on Railway Incidents will take highest priority, or as instructed by the Company - Upon being issued with the appropriate logs,
- e) A written acknowledgment of the request with a preliminary report of the findings shall be sent within a maximum of 2 working days.
- f) A written result of the request shall be sent within a maximum of 5 working days for routine enquires.
- g) However, for emergency enquires/ situations (i.e. those of a safety or with a significant impact on system performance), the Company will require an immediate acknowledgement of the request and analysis work should begin immediately.
- h) Initial immediate phone advice, where appropriate, should be provided to the Company's Engineers. A written result of the emergency request should be completed within 24 hours.

Technical Queries – Response Level

The Contractor shall provide written responses to TQ's as shown in Appendix 4.

1.5.1 Other Responses

A list of Contractor response time requirements for 'acknowledgement and follow up' response by telephone or by e-mail is shown in Appendix 4.

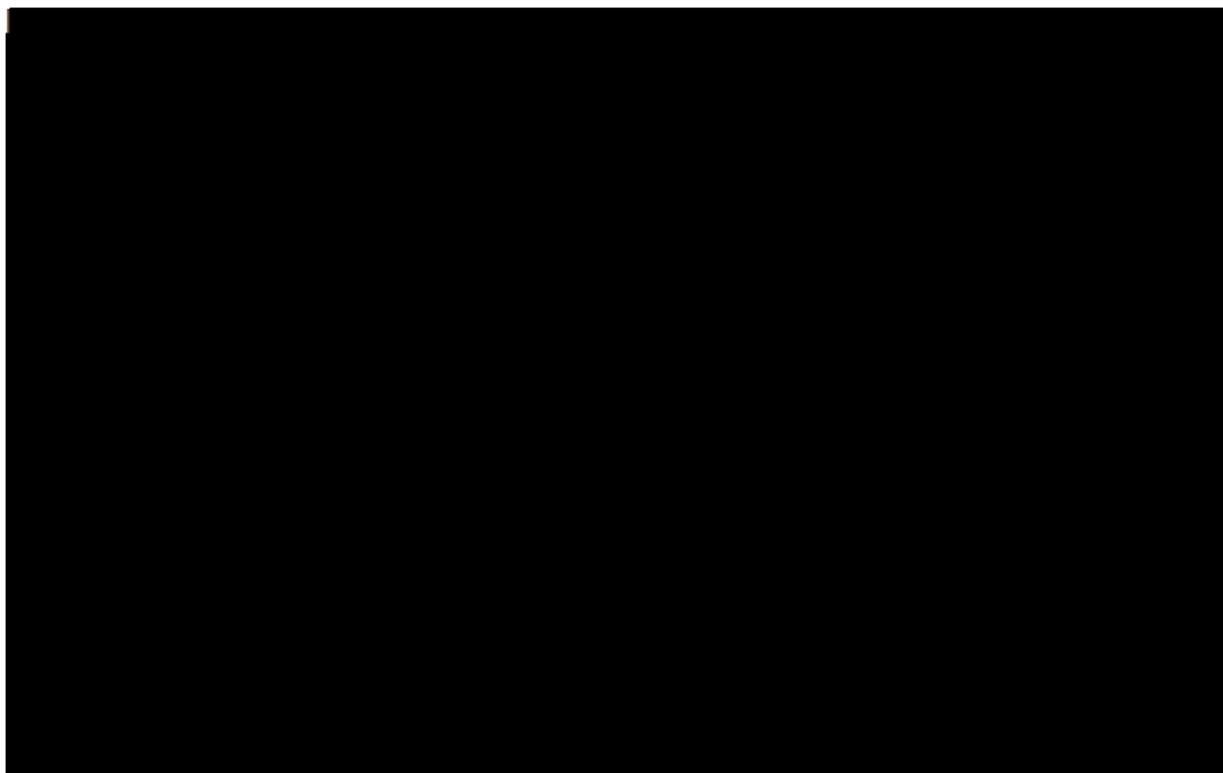
On the Contractor being issued with appropriate logs the Contractor shall meet the timeliness and reporting requirements as shown in Appendix 4.

1.5.2 Acknowledgements

Once work has been issued to the Contractor the Company requires an Acknowledgment. This will follow on from the Contractor being issued with appropriate logs. The Contractor shall meet the timeliness and reporting requirements as detailed in Appendix 4:

1.6 Process

The process by which the software updates will be managed between the parties is as follows



Victoria Line Software Change and Implementation Process

1.7 Documentation Clause

Reporting Faults or System Enquiries

- 1.7.1 For software and system log queries or advice calls for any railway incidents involving the Signal Control System, an email shall be raised by the Company in order to detail the actions to be taken and record the start and end date of the works.
- 1.7.2 Any relevant logs shall be sent to the Contractor's Project Manager and a designated SW Engineer. This will be by email or Siemen's Drop Box account.
- 1.7.3 Within two working days of receiving log analysis queries or advice calls, the Contractor shall complete a written preliminary report and return to the Company's Contract Manager or designated deputy or Engineer. This will be by email and/or fax. The Contractor is to assume that log analysis takes the highest priority unless otherwise advised by the Company.
- 1.7.4 A copy of the final report shall be submitted by the Contractor's Project Manager to the Company's Contract Manager or designated deputy or Engineer with an aim of five working days maximum, unless otherwise advised.
- 1.7.5 **Software Change Requests History** - An updated list of the history of all Change Requests, date raised, reason, priority, planned start, planned end dates and implementation date shall be kept up to date and issued to the Company when requested.
- 1.7.6 **Software Change Requests Procedure** - Any Software Change Requests for the system, raised by the Company, or by any third party must first meet the Company's Contract Manager's approval.
- 1.7.7 **Software Configuration Record** - It is required that the current software system configuration is kept up to date at all times. Any changes made must be reported to both the Company's Contract Manager and the Contractor's Project Manager.

- 1.7.8 The Contractor will provide to the Company copies of updated controlled documents
- 1.7.9 When the Contractor issues a software upgrade pack the Contractor shall be responsible for ensuring the documentation supplied is compliant with the format of the current Company change control procedures,
- 1.7.10 When the Contractor performs a delivery of software update/s; the Contractor shall prepare a documentation set to accompany the software media as specified in the table below unless specified otherwise by the Company in writing.
- 1.7.11 Documentation supplied with each mod pack is as follows (note not all documents supplied by the Contractor have official names and hence may not all be listed here)
- 1.7.12 Documentation will be supplied by the Contractor. The method of delivery is to be decided at a later date.

Contractors Document Name	Title of document (if any)	Notes
[REDACTED]	VLU SCS Modification Pack SCSxxx (title) (PDF document)	(VLU Specific) Overview of change and conclusions, details of change requests and test logs, configuration statements, regression test requirements, installation checklists and instructions, list of attached documents, roll back proposals, impact statements, FAT reports, site test specs, SIL compliance statement, independent assessment report, compliance submission, safety assurance, checks and approvals and glossary.
[REDACTED]	Untitled (PDF documents)	Copy of each CR addressed within the update.
[REDACTED]	Untitled (PDF document)	Untitled, contains test report and test conformance record.
[REDACTED]	Engineering Development Release Record (Word document)	Details release of Victoria Line Asset Replacement [REDACTED]

	Test Definition Record (Word document)	Details test records, test definitions, test logs, data tests, regression tests and test notes.
Attachments 1 and 2	Untitled (zip. Files)	Untitled, contains a collection of the relevant information which support the changes, to include, but not limited to, TQ'S, CR's, Technical specs and extracts from Contractor's technical manuals

1.8 Business Continuity

The company will retain it's own backup however to avoid interruption of Services, the Contractor shall also safeguard all deliverables which are associated with these services and has an obligation to hold at a remote location, separate from the Contractor's main site, a backup of all software, documentation and media etc that it relies upon to perform the Services.

1.8 Reports

1.9.1 The Contractor shall provide the following information in accordance with the Company's Contract Manager's accepted procedures and arrangements, at quarterly intervals:

- a) An up to date list of Change Requests with their current progress and status, reported on a monthly basis.
- b) A full asset list of the software proposed to be installed on all Victoria Line Signal Control System, Total Simulator System and Acton Training Rigs

1.9.2 The Company shall provide the following information as and when the need arises:

- a) The Company will inform the Contractor's Project Manager if the Company change/roll back the SW as this may affect the Software Configuration Record.
- b) A full and up to date asset list of the software on all Victoria Line Signal Control Systems, including SCS, TSS and Acton Training Rig.

1.9.3 The Contractor shall provide written responses to the control and Information TQ's raised by the Company to include at a minimum the information as detailed in the Section entitled Responses.

1.10 Safety Cases

1.10.1. The Contractor SCS Product Safety Case [redacted] and system level VLU Generic Application Safety Case - Asset Replacement [redacted] cover the current VLU passenger service operation with the SCS Baseline B2.2.2 software.

- 1.10.2 The Contractor SCS Product Safety Case [REDACTED] and system level VLU Generic Application Safety Case - Asset Replacement [REDACTED] will both be updated as necessary by the Contractor for the changes required for the execution of this Contract
- 1.10.3 Following completion of the above safety case updates, it will then be the Company’s responsibility to perform the necessary impact assessment and required updates to the Company’s VLU contractual safety case as a result of any SCS software changes that are made as a result of the SCS software maintenance contract. This will need to fully consider the necessary software SIL requirements and CENELEC BS EN50128 compliance as the VLU SCS CCO software is SIL 1 and the ACO software is SIL 2.

2. Technical Queries

- 2.0 The Contractor will provide as part of the Contract charges a service which provides formal technical responses to technical queries that the Company may have from time to time.
- 2.1 The Company will complete form “*Procedure Manual Section 1 – General TECHNICAL QUERY Form No. CLF-FOR-GEN-005*” and submit this to the Contractors nominated representative
- The Contractor will receive the request via email from the Company
 - The Contractor will investigate the query raised by the Company
 - The Contractor will formally respond to the query within 4 weeks from its issue date unless otherwise requested by the Company
- 2.2 Following analysis, and where a specific problem has been identified, the Contractor shall aim to identify in the first instance, if correct to do so, a 'procedural or otherwise workaround' which shall aim to remedy in the short term issue while a full longer term software change, if required, is being progressed.

Technical Query Meetings

The Company and the Contractor will hold where they are open, monthly technical meetings reviewing all the existing and new technical queries raised by the Company.

The following will apply:

Meeting Title	Monthly Technical Meeting
Meeting Location	Osborne House
Meeting Duration	Max 2 hours
Meeting Frequency	Once per calendar month
Contractor Attendees	Where applicable 1 x Commercial 1 x Technical
Travel Costs	Included in overall contract price
Sustenance Costs (where applicable)	To be provided by the Company as and when applicable
Typical Agenda	7. Review of outstanding TQ’s and actions to close out 8. Review of new TQ’s and actions to close out 9. Prioritisation of TQ’s 10. Review and Agreement of implementation plan 11. AOB 12. Next Meeting Date

2.3 Equipment Modification

- 2.3.1 Media Costs

Where the Contractor provides for on site installation of the SW with their own employees, and as such brings the SW to site on media, CD's, disks, dat tapes, floppy disks etc. the Company will pay a reasonable cost for these to the Contractor. The Contractor will submit their claim via the process defined in Schedule 4A

- 2.3.2 The Company may wish to modify the system and/or Equipment to a new standard for operational reasons or to overcome recurring defects and improve reliability or overcome obsolescence.
- 2.3.3 Such modifications may be significant and hence will be treated as outside the core scope of this contract and for which the Contractor will provide quotations to implement. Such modifications may require:
- Additional resource to that specified in the contract, or
 - Extension to the specified timescales or
 - the contract variation procedure may be utilised.
- 2.3.4 Should the Contractor be authorised to proceed with such works, these changes shall be managed and executed in accordance with the current Company Change Control process
- 2.3.5 **Media Packs**
The Contractor may be from time to time requested to supply an installation or media pack for installation or re installation which would typically be a SW update pack/s, these will include the SW, the supporting documentation and the media and anything that may be reasonably inferred from the same

2.4 Test Equipment

- 2.4.1 The Contractor will maintain a SCS Validation rig at the current operational software configuration for the purposes of factory verification and testing prior to release.
- 2.4.2 The Contractor, when submitting or making available SW updates to the Company is not always able to comprehensively test using the Contractor's SCS and so will advise to the Company, for each SW update the following two test states:
- Full Factory Acceptance tests
 - For FAT confirmation that the SW has been fully tested to the test plan and tested via the Contractor's SCS .
 - Limited Factory Acceptance tests
 - In these circumstances the Contractor will advise, per submission:
 1. What area of tests has not been completed
 2. What the risks are to the Company
 3. What mitigation it recommends the Company should take in these circumstances
- 2.4.3 For the purpose of design to improve system reliability and functionality, the Contractor shall acknowledge that the EOL may have temporary changes made by the Contractor to software or hardware.

2.5 Training

Victoria Line Software support training will be supplied by the Contractor in the two following ways:

- 2.5.1 **Formal Training**
The Company require the Contractor to provide at its request formal training of its personnel. These are defined in Schedule 11.

Victoria Line Software Support – Training Requirements

Any additional or variant of the formal training above and not identified herein will be specifically requested by the Company or the Contractor whom upon its request will review and will cost up the

requested training by way for a formal quotation to the Company. Upon receipt of that, should the Company wish to proceed it will formally commit to that by way of a variation.

2.5.2 Informal Training

As part of the regular contract review or technical meetings between the Contractor and Company the Contractor will provide as part of the costs of this Contract “on the job training”. This will not be classed as formal training but will cover such day to day advice, hints and tips as may be necessary to assist the Company to remedy small faults or to pass general knowledge and information about the system to resolve issues and provide better understanding outside of the formal training that Company may encounter.

This would be provided by one or, both of the two Engineers that the Contractor will be providing under this Contractor.

2.6 Escalation

The Contractor shall provide three (x3) contact telephone numbers for a total of three escalation levels through to Contractor director level.

The Contractor may directly contact the SSM staff at OSH by telephone; the Contractor shall ensure that no instructions are given to the SSM over the telephone to perform unless:

- a) Those instructions have previously been sent to the SSM by e-mail,
- b) Prior agreement has been obtained from the Company to allow the Contractor to instruct the SSM directly without e-mail on this specific occasion

APPENDIX 1

**FIGURE 1
BLOCK SCHEMATIC OF SIGNALLING CONTROL SYSTEM**

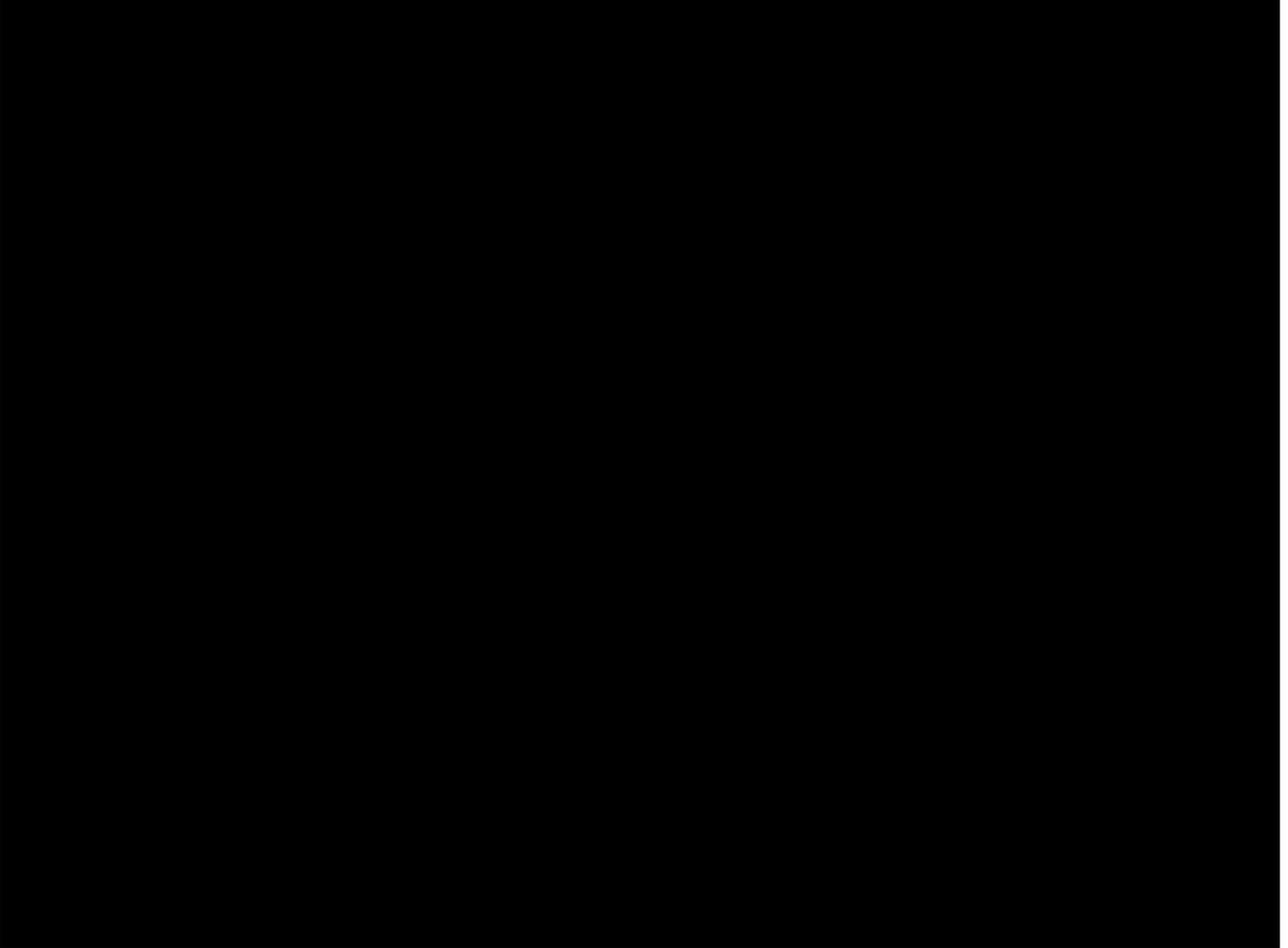


FIGURE 2
BLOCK SCHEMATIC OF BACK-UP SIGNALLING CONTROL SYSTEM

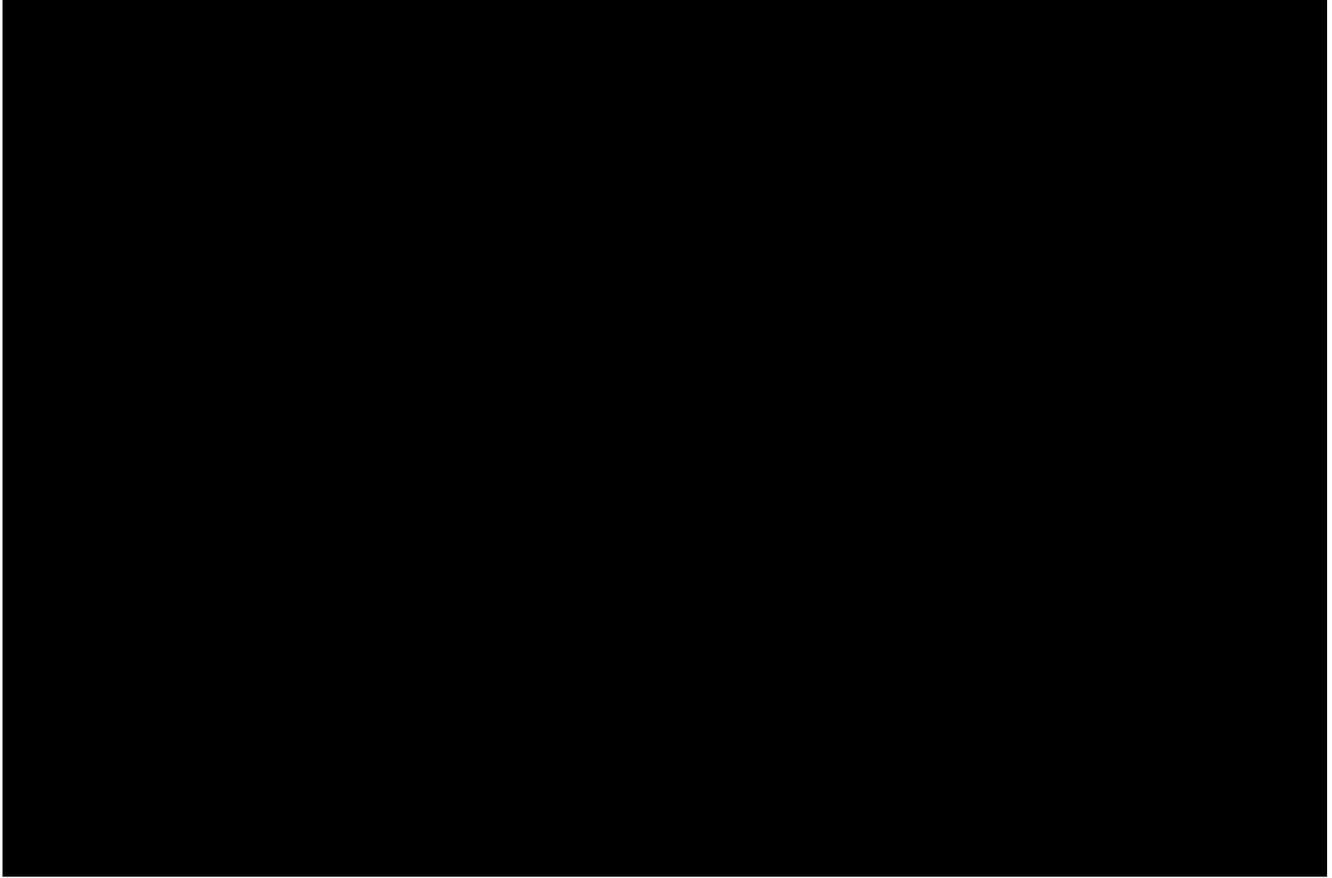


FIGURE 3
BLOCK SCHEMATIC OF VICTORIA LINE TOTAL SIMULATOR SYSTEM

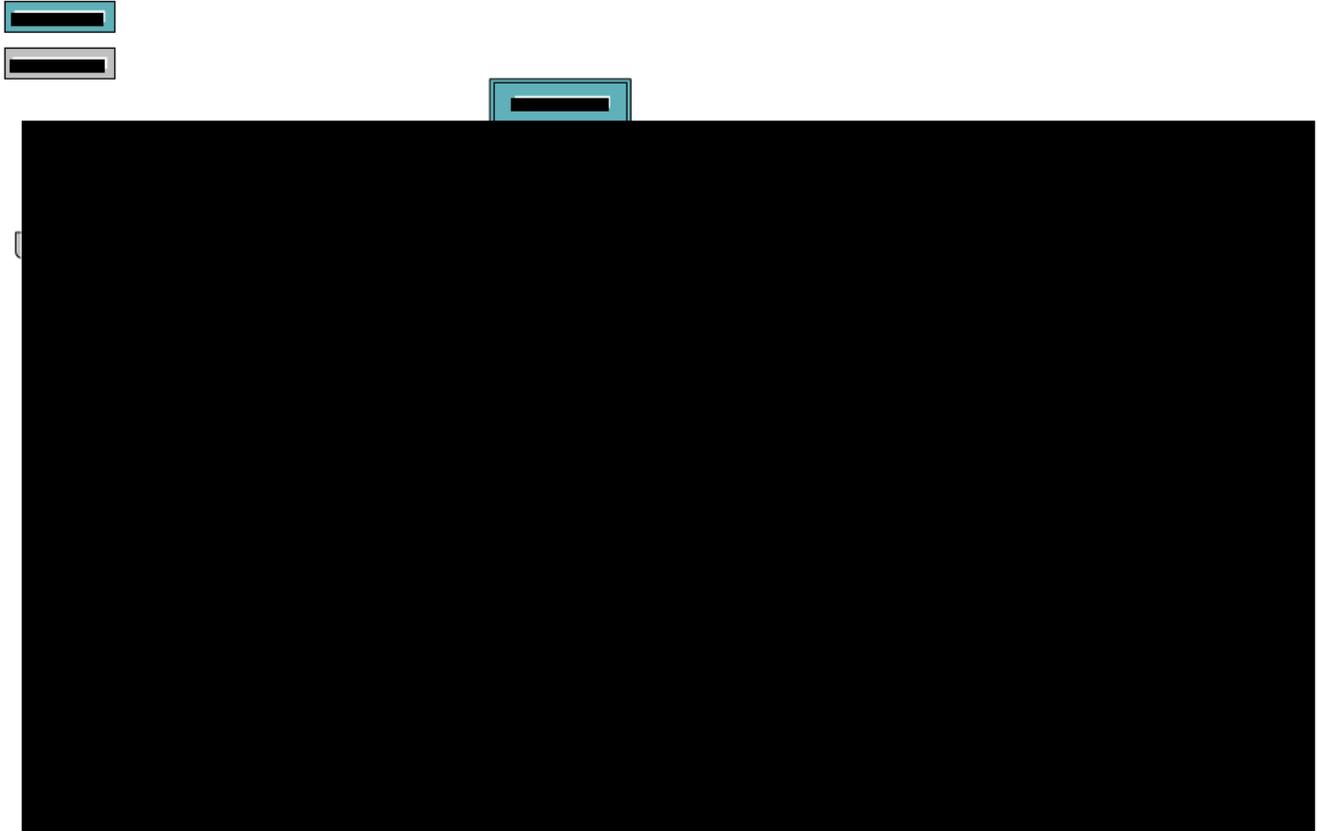
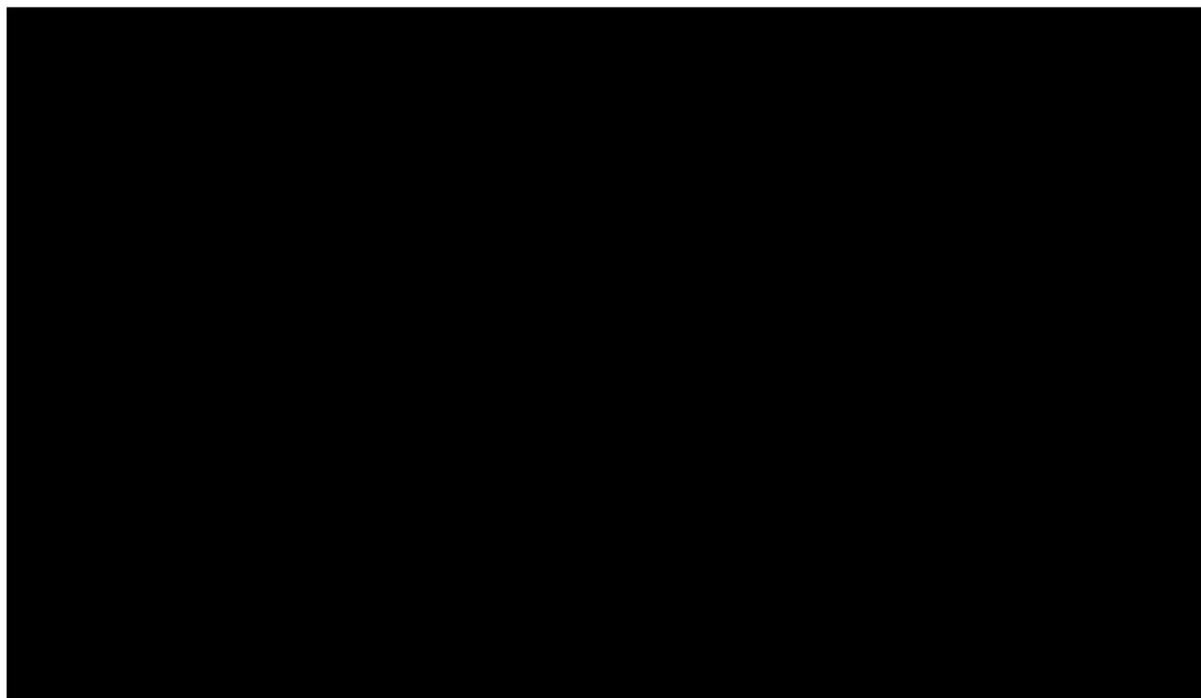


FIGURE 4
BLOCK SCHEMATIC OF VICTORIA LINE ACTON TRAINING RIG FACILITY



APPENDIX 2

THE SUBSYSTEMS OF THE ATS (AND BUCF) IN THE SCOPE ARE AS FOLLOWS:

- 1 [REDACTED]
- 2 [REDACTED]
- 3 [REDACTED]
- 4 [REDACTED]
- 5 [REDACTED]
- 6 [REDACTED]
- 7 [REDACTED]
- 8 [REDACTED]
- 9 [REDACTED]

APPENDIX 3

The subsystems of the TSS in the scope are as follows:

1. [Redacted]
2. [Redacted]
3. [Redacted]
4. [Redacted]
5. [Redacted]

The subsystems of the Acton Training Rig are as follows:

1. [Redacted]
2. [Redacted]
3. [Redacted]
4. [Redacted]

APPENDIX 4

Written responses to TQ's

Technical Query Form - Victoria Line Automatic Train Supervision System

Area	Requirement
Unique Technical Query No.	A unique and incremental identifier, to be managed by the Company.
TQ for attention of details	The full name, address, post code, telephone number of the Contractor's representative who shall formally receive the TQ on behalf of the Contractor
Please reply to details	The full name, address, post code, telephone number of the Company representative who shall formally receive the TQ response on behalf of the Contractor
Originator's details	The name of the originator of the query.
Date the TQ is raised	The date that the TQ was submitted for sending to the Contractor.
Equipment Involved	Typically shall read 'Victoria Line ATS (Automatic Train Supervision) System, unless a query is raised regarding a related project, including EIDS.
Title	A short title by which the query may easily be identified.
Query Detail	The Company shall aim to provide a background section and then to provide a query which aims to be specific and concise.
For further information contact details (two required)	Two (x2) names to be provided who are likely to be able to provide further background regarding the query, if required.
Timescale request to Contractor	Shall be marked 'URGENT' or 'NON-URGENT' and shall include a reminder of the expected timescale for the response of the Contractor, in accordance with any current Software Support Contract requirements.
Authorising Signature	The Company representative who is responsible for formally issuing the TQ to the contractor shall provide a signature.
Date of Authorising Signature	The date that the Company representative who may formally issue the TQ to the Contractor provided the signature.
Electronic Format	TQ responses sent electronically to the Contractor shall be in PDF format.

Response to Technical Query Form - Victoria Line Automatic Train Supervision System

Area	Requirement
The Technical Query No.	A cross reference to the TQ form on which the query is documented.
Date TQ was Raised	That date which does appear on the TQ form on which the query is documented.
Date this response was sent	The date that the TQ response was submitted for sending to the Company
Subject	That title which does appear on the TQ form on which the query is documented.
Summary text of the query raised	A short summary of the understanding of the query raised shall be provided.
Response textual description	The formal and as detailed as necessary response to the query raised.
Further Action	The next steps leading on from this query response, if any, which are recommended by the Contractor.
Authorising Signature	
Date of Authorising Signature	The date that the Contractor representative issues the TQ response to The Company
Electronic Format	TQ responses sent electronically shall be in PDF format.

Other Responses

Where:

“Urgent” equates to a service effecting failure or a safety related failure.

“Typical” equates to non-service effecting failures

All Service levels are subject to availability of staff (see section 4.1.9)

Company Request Type	Required acknowledgement time	Required 'Activity Completion' target response time	Notes
Emergency Request Telephone or e-mail (an advanced informal copy to be followed up with a formal TQ)	No later than [redacted] business [redacted]	a) Completion [redacted] b) Preliminary report of findings no later than [redacted] c) status reports e-mailed to the Company [redacted]	In case escalation is necessary, three (x3) contact telephone numbers for a total of three escalation levels through to Contractor director level shall be required
Urgent Request	No later than [redacted] business [redacted]	a) Completion [redacted] b) Preliminary report of findings no later than [redacted] c) Status reports e-mailed to the Company every [redacted] until completion	
Urgent Request - CR	No later than [redacted] [redacted]	a) Completion [redacted] b) Preliminary report of findings no later than [redacted] c) Status reports e-mailed to the Company every [redacted] until completion	
Typical Request - Telephone or e-mail	No later than [redacted] [redacted]	a) Preliminary report of findings no later than [redacted] b) Contractor to investigate and aim to respond by e-mail within [redacted]	
Typical Request - TQ	No later than [redacted] [redacted]	Contractor aims to respond fully within [redacted]	
Typical Request - CR	No later than [redacted] [redacted]	Completion date to be agreed case by case between the Contractor and the Company	

SCHEDULE 4

PRICES

1. The Prices are fixed from the Start Date for one year (“Year 1”).
2. Prices for the years subsequent to Year 1 of the Contract shall be subject to the contract price adjustment (CPA) calculation in paragraph 7 below.
3. The total Prices for Year 1 for the service as described in Schedules 3A, 3B, 3C, 3D, 3E and 3F are in the amount of [REDACTED] which shall be paid in equal amounts per Accounting Period over 13 periods. The initial invoice will be submitted at the end of the first Accounting Period and all subsequent invoices at the end of each Accounting Period thereafter. Prices will therefore be in the amount of [REDACTED] per Accounting Period

Year 2 fixed lump sum will be [REDACTED] plus (CPA)
 Year 3 fixed lump sum will be Year 2 fixed lump sum plus (CPA)
 Year 4 fixed lump sum will be Year 3 fixed lump sum plus (CPA)
 Year 5 fixed lump sum will be Year 4 fixed lump sum plus (CPA)

The fixed lump sum is:
 Fixed for the services provided
 Inclusive of overhead and profit
 Subject to contract price adjustment as described
 Exclusive of VAT

Table 1: Schedule of Pay as You Go Services Rates for Year 1

Grades of staff	Type of staff	Hourly rates
M1	Senior Management	[REDACTED]
M3	Middle Management	[REDACTED]
D1	Senior Executive Engineer	[REDACTED]
D2	Senior Engineer	[REDACTED]
D3	Executive Engineer	[REDACTED]
D4	Engineer	[REDACTED]

4. The rates shall be the total cost for the defined class of labour and shall be deemed to be inclusive of all profit, office prices, supervision, use of all tools, plant and attendance, time keeping costs, employers statutory insurance and graduated pension contributions, contributions towards holidays and pay, consumable stores, payment made by the employer in terms of payment by results.

The rates shown are:
 Applicable for Year 1 and shall be subject to the annual contract price adjustment (CPA) for subsequent years.
 Applicable for all work undertaken on an emerging cost basis
 Inclusive of overhead and profit
 Exclusive of VAT

5. Contract Price Adjustment

The Prices for Year 1 set out in paragraph 3 above (the “**Year 1 Prices**”) shall be adjusted by the percentage change in the 2010 BEAMA Electrical Engineering Labour Index in respect of each anniversary of the Start Date in accordance with the following formula:

$$R \times \%BEAMA + R = Nr$$

Where:

R= the Year 1 Prices.

%BEAMA = the increase/decrease in the 2010 BEAMA Electrical Engineering Labour Cost Cost Index between contract start date and annual anniversary as published by ‘BEAMA’ at each successive anniversary.

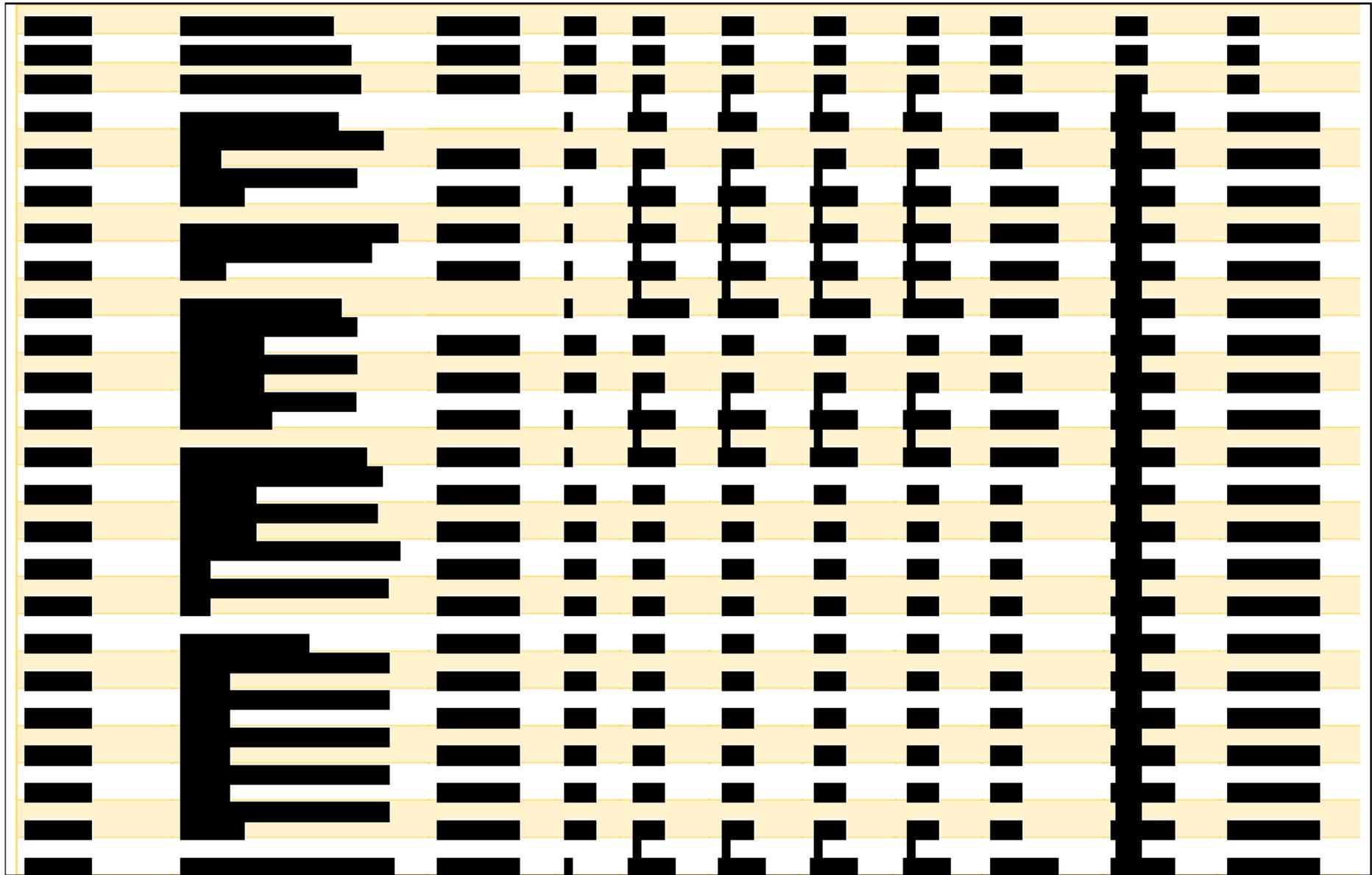
Nr = New Prices to be applied until the next anniversary of the Start Date of the Contract

6. Equipment Price List

Refer to Appendix 1 for Equipment Prices. The Equipment prices listed are valid from 23rd August 2020 for a period of 12 months. The Company and Contractor will review the Equipment Price List two months before expiry and a new schedule of Equipment Prices will be agreed.

Where ‘Price on Application’ is quoted for any item, the Contractor shall in response to a Request for Equipment and Services undertake sufficient investigation to provide a price for that Equipment (if possible). The Company acknowledges this work may entail a delay to the time for provision of such Offer for Equipment and Services and the item shall remain subject to ‘Price on Application’ thereafter.

The image shows a large table with 20 columns and 20 rows. The table is mostly redacted with black bars. The redaction is most prominent in the first column, which is almost entirely blacked out. The second column contains some text, but it is also partially redacted. The remaining columns (3-20) contain various data points, some of which are redacted. The table has a yellow background with horizontal white lines separating the rows.



The image shows a large table with 20 columns and 20 rows. The content is almost entirely redacted with black bars. The redaction is most prominent in the first two columns, where the text is completely obscured. In the remaining columns, the redaction is less dense, often leaving small gaps or partial words visible. The table is set against a background of alternating light yellow and white horizontal stripes.

