



Maintenance of General Mechanical Equipment for a period of 5 Years at George Airport

**A contract between Airports Company South Africa SOC Limited
Reg. No 1993/004149/30 VAT no 4930138393**

**and
Reg. No. ... Vat no.**

Contract Number

The Contract

Part C1: Agreement and Contract Data

C1.1	Form of Offer and Acceptance
C1.2	Contract Data
C1.4	Insurance Schedule

Part C2: Pricing data

C2.1	Pricing Instructions
C2.2	Price List (including the Activity Schedule)

Part C3: Service information

C3	Service Information
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Part C4: Site information

C4	Site Information
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C1.1 Form of Offer and Acceptance

Offer

The employer, identified in the acceptance signature block, wishes to enter into a contract for the

MAINTENANCE OF GENERAL MECHANICAL EQUIPMENT AT GEORGE AIRPORT FOR A PERIOD OF 5 YEARS AT GEORGE AIRPORT

The contractor, identified in the offer signature block, has examined this document and addenda hereto as listed in the schedules, and by submitting this offer has accepted the conditions thereof.

By the representative of the contractor, deemed to be duly authorised, signing this part of this form of offer and acceptance, the contractor offers to perform all the obligations and liabilities of the Contractor under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the Conditions of Contract identified in the Contract Data.

The offered total of the Prices exclusive of VAT is **R**

Value Added Tax @ 15% is **R**

The total offered amount due inclusive of VAT is **R**

(in words)

(The above amount should be calculated as per the guide provided in the Pricing Data [Subtotal H]. In the event of any conflict between the amount above and the Pricing Data [Subtotal D], the latter shall prevail.)

for the Contractor

Signature Date

Name Capacity

(Name and
address of
organisation)

.....

Name and
signature

of witness Signature

This offer may be accepted by the employer by signing the acceptance part of this form of offer and acceptance and returning one copy of this document to the Tenderer before the end of the period of



validity stated in the tender data, whereupon the Tenderer becomes the party named as the contractor in the conditions of contract identified in the contract data.

Acceptance

By signing this part of this form of offer and acceptance, the employer identified below accepts the contractor's offer. In consideration thereof, the employer shall pay the contractor the amount due in accordance with the conditions of contract identified in the contract data. Acceptance of the contractor's offer shall form an agreement between the employer and the contractor upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.

The terms of the contract, are contained in:

- Part C1: Agreements and contract data, (which includes this agreement)
- Part C2: Pricing data and Price List
- Part C3: Service information.
- Part C4: Site information
and schedules, drawings and documents or parts thereof where so indicated.

Deviations from and amendments to the documents listed in the tender data and any addenda thereto as listed in the tender schedules as well as any changes to the terms of the offer agreed by the Tenderer and the employer during this process of offer and acceptance, are contained in the schedule of deviations attached to and forming part of this agreement. No amendments to or deviations from said documents are valid unless contained in this schedule.

The contractor shall within two weeks after receiving a completed copy of this agreement, including the schedule of deviations (if any), contact the employer's agent (whose details are given in the contract data) to arrange the delivery of any bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the contract data. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the date when the Tenderer receives one fully completed original copy of this document, including the schedule of deviations (if any). Unless the Tenderer (now contractor) within five working days of the date of such receipt notifies the employer in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the parties.

for the Employer

Signature Date

Name Capacity

Name and address of organisation

Airports Company South Africa SOC Limited,



George Airport
Old Mossel Bay Road
George
6530

Name of
witness Signature

Date

Schedule of Deviations

1 Subject

Details

.....

.....

.....

2 Subject

Details

.....

.....

.....

3 Subject

Details

.....

.....

.....

By the duly authorised representatives signing this agreement, the employer and the contractor agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the tender data and addenda thereto as listed in the tender schedules, as well as any confirmation, clarification or changes to the terms of the offer agreed by the Tenderer and the employer during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the Tenderer of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this agreement.



	<u>For the Employer</u>	<u>For the Contractor</u>
Signature (s)	_____	_____
Name (s)	_____	_____
Capacity	_____	_____
Name and Address	Airports Company South Africa SOC Limited, George Airport Old Mossel Bay Road George 6530	
	_____	_____
	<i>(Insert name and address of organization)</i>	<i>(Insert name and address of organization)</i>
Name & Signature of witness	_____	_____
Date	_____	_____

C1.2 Contract Data

Precedence in interpretation of the contract:

In the event of any ambiguity, inconsistency or conflict between the General Conditions of Contract, Special Conditions, Pricing Data, Service information, or other, the order of precedence shall be as follows:

- Firstly, the Service information (C3) and Annexes thereto shall prevail;
- Secondly the Contract Data (C1.2) and Conditions of Contract;
- Thirdly the General Conditions of Contract;
- Fourthly the Pricing data;
- Lastly any schedules, drawings and other documents included with this agreement.

General Conditions of Contract

The General Conditions of Contract comprise the NEC3 Term Service Contract, April 2013, published by the NEC, and the following “Particular Conditions”, which include amendments and additions to such General Conditions.

The following Particular Conditions amplify the General Conditions of Contract and highlight areas in that document that require specific attention.

Wherein in the contract it is stated no contract data is required accordingly the *conditions of contract* remain unaltered as per NEC3 Term Service Contract, April 2013.

Applicable Standards and Procedures

- [SANS 1545 \(Parts 1-5\)](#): For lifts and goods hoists, covering design and safety requirements.
- [SANS 687](#): Inspection and testing of non-fixed load-lifting attachments.
- **Occupational Health and Safety Act (Act 85 of 1993)**: The overarching legislation for workplace safety.
- **Driven Machinery Regulations (DMR)**: Specifically **Regulation 18**, which mandates design, construction, and maintenance standards for lifting machines.
- **National Code of Practice (NCOP) 2024**: Governs the training and certification of lifting machine operators.
- **SANS18893** Safety principles for **mobile elevating work platforms** (MEWPs)
- **SANS 1545** Safety standards for electric and hydraulic lift
- **SANS 2972** Inspection of lifting tackle
- [SANS 1263-1: Safety Glazing](#): Provides performance criteria for glazing materials under human impact



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- [SANS 613: Mechanical Performance of Fenestration](#): Governs the mechanical performance of doors regarding wind action (deflection and structural strength), water penetration, and air infiltration
- **National Building Regulations and Building Standards Act, 1977 (Act No. 103 of 1977)**: The overarching legislation that mandates the application of building standards across South Africa

PROCUREMENT

Preferential procurement procedures Requirements

The *contractor* will respect OEM warranties to ACSA always when procuring spare parts, products, or 3rd party services. It will be the *contractor's* sole responsibility to ensure that OEM warranty requirements are adhered to always.

Where *contractor* use or quote on spare parts of a lower quality than recommended by the OEM, or parts not recommended by the OEM, this shall be clearly indicated to the Service Manager on the quotation. This also implies that the *contractor* must build relationships with the various key OEM's.

The *contractor* must adhere to all airport requirements regarding fire, health and safety when procuring replacement parts.

No casual labour (i.e., "off the street" labour) may be employed by the Contractor unless pre-arranged with ACSA. Whenever this is required, the *contractor* shall come to a suitable arrangement with ACSA regarding sourcing and screening of such individuals.

Subcontracting

No part of this Contract may be subcontracted unless with written approval from ACSA. ACSA shall be under no obligation to grant such approval. Should any part of this Contract be subcontracted, the *contractor* will be responsible for all Works (or failure to affect the Works) as if it was done so by the Contractor.

MANAGEMENT

Management of the works

Particular / generic specifications

All work shall conform to all relevant SANS standards, OHS ACT regulations and all other legislation that might be relevant to this Contract and the execution thereof.

All work shall be carried out in accordance with prevailing industry norms and best practice and will always comply with OEM requirements.

C1.2a - Data provided by the Employer

Clause	Statement	Data
1	General	
	The <i>conditions of contract</i> are the core clauses and the clauses for main Option:	A: Priced contract with price list
	dispute resolution Option:	W1: Dispute resolution procedure
	and secondary Options:	
		X17: Low Service damages
		X18: Limitation of liability (as amended in Option Z)
		X19: Task Order
		X20: Key Performance Indicators
		Z: Additional conditions of contract
	of the NEC3 Term Service Contract (April 2013)	
10.1	The <i>Employer</i> is:	Airports Company South Africa SOC Limited Reg. No 1993/004149/30 VAT no 4930138393
	Address	George Airport Old Mossel Bay Road George 6530
	Tel No.	+27 44 876 9310
10.1	The <i>Service Manager</i> is:	Marclen Stallenberg
	Address	George Airport Old Mossel Bay Road George 6530
	Tel No.	+27 44 876 9310
	e-mail	Marclen.stallenberg@airports.co.za

11.2(1)	The <i>Accepted Plan</i> is	Section C3 of this document, including Annexes thereto as submitted by the <i>Contractor</i> and accepted by the <i>Service Manager</i>
11.2(2)	The <i>Affected Property</i> is	George Airport
11.2(13)	The <i>service</i> is	The maintenance of general mechanical equipment's, as more fully set out in section C3 <i>Service Information</i> .
11.2(14)	The following matters will be included in the Risk Register	Access to site Delay in supply of material and or equipment Progress of works against the program Working on heights Working on moving machinery Non-compliance to applicable method statements, company policies and procedures Maintenance activities negatively impacting normal airport operations. Also refer to site HIRA which outlines the general hazards.
11.2(15)	The <i>Service Information</i> is in	the section titled <i>Service Information</i> included as section C3 of this document.
12.2	The <i>law of the contract</i> is the law of	the Republic of South Africa
13.1	The <i>language of this contract</i> is	English
13.3	The <i>period for reply</i> is	5 working days
21.1	The period within which the Contractor provides the Contractor's Plan	5 calendar days from Contract Date
2	The Contractor's main responsibilities	detailed in Part C3 (Service Information)
3	Time	
30.1	The <i>starting date</i> is	Upon signature of the contract by the Employer
30.2	The <i>Service Period</i> is	60 months from the <i>starting date</i>
4	Testing and Defects	No data is required for this section of the <i>conditions of contract</i>
5	Payment	
50.1	The <i>assessment interval</i> is on the	on the 15 th day of each successive month
51.1	The <i>currency of this contract</i> is the	South African Rand (ZAR)



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51.2	The period within which payments are made is	30 days
51.4	The <i>interest rate</i> is	The prime lending rate of the Nedbank Bank, as determined from time to time.
6	Compensation events	No data is required for this section of the <i>conditions of contract</i> .
7	Title	No data is required for this section of the <i>conditions of contract</i> .
8	Risks and insurance	
83.1	The <i>Employer</i> provides these insurances from the Insurance Table	(i) Insurance against loss of or damage to the <i>services</i>, Plant and Materials comprising Contract Works Insurance, SASRIA Special Risks Insurance and Marine & Air Cargo insurance; and (ii) Insurance (Public Liability Insurance) against liability for loss or damage to property (except the <i>services</i>, Plant and Materials and Equipment) and liability for bodily injury to or death of a person (not an employee of the <i>Contractor</i>) caused by activity in connection with the contract. Note: The terms and other matters applicable to these insurances provided by the Employer (and to insurances generally) are detailed in the insurance schedule attached as section C1.4 to the <i>contract</i> ("the Insurance Schedule").
83.1	The <i>Contractor</i> provides these additional insurances	The terms and other matters applicable to this insurance provided by the Employer are detailed in section C1.4 to the <i>contract</i> .
83.2	The minimum amounts of cover or minimum limits of indemnity required for the insurance table	Refer to section C1.4.
9	Termination	there is no Contract Data required for this section of the <i>conditions of contract</i> .
10	Data for main Option clause	
A	Priced contract with price list	refer to section C2.1 and C2.2.
11	Data for Option W1	
W1.1	The <i>Adjudicator</i> is	The person appointed jointly by the parties from the list of adjudicators contained below



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Name	Location	Contact details (phone & e mail)
Adv. Ghandi Badela	Gauteng	+27 11 282 3700 ghandi@badela.co.za
Mr. Errol Tate Pr. Eng.	Durban	+27 11 262 4001 Errol.tate@mweb.co.za
Adv. Saleem Ebrahim	Gauteng	+27 11 535-1800 salimebrahim@mweb.co.za
Mr. Sebe Msutwana Pr. Eng.	Gauteng	+27 11 442 8555 sebe@civilprojects.co.za
Mr. Sam Amod	Gauteng	sam@samamod.com
Adv. Sias Ryneke SC	Gauteng	083 653 2281 reyneke@duma.nokwe.co.za
Mr. Emeka Ogbugo (Quantity Surveyor)	Pretoria	+27 12 349 2027 emeka@gosiame.co.za

W1.2(3)	The <i>Adjudicator nominating body</i> is:	The current Chairman of Johannesburg Advocate's Bar Council
W1.4(2)	The <i>tribunal</i> is:	Arbitration
W1.4(5)	The <i>arbitration procedure</i> is	The arbitration procedure is set out in The Rules for the Conduct of Arbitrations 2013 Edition, 7th Edition, published by The Association of Arbitrators, (Southern Africa)

The place where arbitration is to be held is **Johannesburg, South Africa.**

The person or organization who will choose an arbitrator **The Arbitrator is the person selected by the Parties as and when a dispute arises in terms of the relevant Z Clause, from the Panel of Arbitrators provided under the relevant Z clause if the arbitration procedure does not state who selects an arbitrator. The Arbitrator nominating body is the Chairman of the Johannesburg Advocates Bar Council.**



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Option A The Contractor prepares forecasts of the final total of the Prices for the whole of the *Services* at intervals no longer than 4 weeks.

12 Data for secondary Option

X17	Low service damages	If the Contractor produces substandard work the Employer can: Insist the Contractor corrects the Defects to provide the quality specified in the service information. Recover the cost of having it corrected by other people if the Contractor fails to correct the Defect within the specified time or Accept the Defect and a quotation from the Contractor for reduced Prices in return for a change to the service information. Refer to table in the Service Level Agreement in Annexure B as part of C3 - For low service damages information
X18	Limitation of liability	
X18.1	The <i>Contractor's</i> liability to the <i>Employer</i> for indirect or consequential loss is limited to:	Nil - Neither Party is liable to the other for any consequential or indirect loss, including but not limited to loss of profit, loss of income or loss of revenue
X18.2	For any one event, the <i>Contractor's</i> liability to the <i>Employer</i> for loss of or damage to the <i>Employer's</i> property is limited to:	The Total costs incurred and/or damages suffered to the Employer's Property
X18.3	The <i>Contractor's</i> total liability to the Employer for defects due to his design which are not listed on the Defects Certificate is limited to:	The Total costs incurred and/or damages suffered to the Employer's Property



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X18.4	The <i>Contractor's</i> total liability to the <i>Employer</i> for all matters arising under or in connection with this contract, other than excluded matters, is limited to:	The Contractor's total direct liability to the Employer for all matters arising under or in connection with this contract, other than the excluded matters, is limited to The Total costs incurred and/or damages suffered to the Employer's Property and applies in contract, tort or delict and otherwise to the extent allowed under the law of the contract. The excluded matters are amounts payable by the Contractor as stated in this contract for: - Loss of or damage to the Employer's property, - Defects liability, - Insurance liability to the extent of the Contractor's risks - death of or injury to a person; infringement of an intellectual property right
X19	Task Order	Task Order shall be issued in line with the Employers Supply Chain Management Policies and governing regulations.
X20	Key Performance Indicators	Refer to table in the Service Level Agreement in Annexure B as part of C3 - for Key Performance Indicators

Z(A): The Additional conditions of contract are: Z1-Z19

Amendments to the Core Clauses	
Z1	Interpretation of the law
Z1.1	Add to core clause 12.3: Any extension, concession, waiver or relaxation of any action stated in this contract by the Parties, the <i>Service Manager</i>, the <i>Supervisor</i>, or the <i>Adjudicator</i> does not constitute a waiver of rights and does not give rise to an estoppel unless the Parties agree otherwise and confirm such agreement in writing.
Z2	Providing the Service:
Z2.1	Delete core clause 20.1 and replace with the following: The <i>Contractor</i> provides the Service in accordance with the Service Information and warrants that the results of the Service, when complete, shall be fit for their intended purpose.
Z5	Termination
Z5.1	Add the following to core clause 91.1, at the second main bullet, fifth sub-bullet point, after the words "assets or": "business rescue proceedings are initiated, or steps are taken to initiate business rescue proceedings".
Amendment to the Secondary Option Clauses	



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Z7	Limitation of liability:
	Insert the following new clause as Option X18.6:
Z7.1	The <i>Employer's</i> liability to the <i>Contractor</i> for the <i>Contractor's</i> indirect or consequential loss is limited to R0.00
Z7.2	Notwithstanding any other clause in this contract, any proceeds received from any insurances or any proceeds which would have been received from any insurances but for the conduct of the <i>Contractor</i> shall be excluded from the calculation of the limitations of liability listed in the contract
	Additional Z Clauses
Z8	Cession, delegation and assignment
Z8.1	The <i>Contractor</i> shall not cede, delegate or assign any of its rights or obligations to any person without the written consent of the <i>Employer</i> , which consent shall not be unreasonably withheld. This clause shall be binding on the liquidator/business rescue practitioner /trustee (whether provisional or not) of the <i>Contractor</i>
Z8.2	The <i>Employer</i> may cede and delegate its rights and obligations under this contract to any person or entity
Z9	Joint and several liabilities
Z9.1	If the <i>Contractor</i> constitutes a joint venture, consortium or other unincorporated grouping of two or more persons, these persons are deemed to be jointly and severally liable to the <i>Employer</i> for the performance of the Contract.
Z9.2	The <i>Contractor</i> shall, within 1 week of the Contract Date, notify the <i>Service Manager</i> and the <i>Employer</i> of the key person who has the authority to bind the <i>Contractor</i> on their behalf.
Z9.3	The <i>Contractor</i> does not materially alter the composition of the joint venture, consortium or other unincorporated grouping of two or more persons without prior written consent of the <i>Employer</i> .
Z10	Ethics
Z10.1	The <i>Contractor</i> undertakes:
Z10.1.1	not to give any offer, payment, consideration, or benefit of any kind, which constitutes or could be construed as an illegal or corrupt practice, either directly or indirectly, as an inducement or reward for the award or in execution of this contract;
Z10.1.2	to comply with all laws, regulations or policies relating to the prevention and combating of bribery, corruption and money laundering to which it or the <i>Employer</i> is subject, including but not limited to the Prevention and Combating of Corrupt Activities Act, 12 of 2004.
Z10.2	The <i>Contractor's</i> breach of this clause constitutes grounds for terminating the <i>Contractor's</i> obligation to Provide the Works or taking any other action as appropriate against the <i>Contractor</i> (including civil or criminal action). However, lawful inducements and rewards shall not constitute grounds for termination.



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- Z10.3** If the *Contractor* is found guilty by a competent court, administrative or regulatory body of participating in illegal or corrupt practices, including but not limited to the making of offers (directly or indirectly), payments, gifts, gratuity, commission or benefits of any kind, which are in any way whatsoever in connection with the contract with the *Employer*, the *Employer* shall be entitled to terminate the contract in accordance with the procedures stated in core clause 92.2. the amount due on termination is A1.

Z11 Confidentiality

- Z11.1** All information obtained in terms of this contract or arising from the implementation of this contract shall be treated as confidential by the *Contractor* and shall not be used or divulged or published to any person not being a party to this contract, without the prior written consent of the *Service Manager* or the *Employer*, which consent shall not be unreasonably withheld.
- Z11.2** If the *Contractor* is uncertain about whether any such information is confidential, it is to be regarded as such until otherwise notified by the *Service Manager*.
- Z11.3** This undertaking shall not apply to –
- Z11.3.1** Information disclosed to the employees of the *Contractor* for the purposes of the implementation of this agreement. The *Contractor* undertakes to procure that its employees are aware of the confidential nature of the information so disclosed and that they comply with the provisions of this clause;
- Z11.3.2** Information which the *Contractor* is required by law to disclose, provided that the *Contractor* notifies the *Employer* prior to disclosure so as to enable the *Employer* to take the appropriate action to protect such information. The *Contractor* may disclose such information only to the extent required by law and shall use reasonable efforts to obtain assurances that confidential treatment will be afforded to the information so disclosed;
- Z11.3.3** Information which at the time of disclosure or thereafter, without default on the part of the *Contractor*, enters the public domain or to information which was already in the possession of the *Contractor* at the time of disclosure (evidenced by written records in existence at that time);
- Z11.4** The taking of images (whether photographs, video footage or otherwise) of the *works* or any portion thereof, in the course of Providing the Works and after Completion, requires the prior written consent of the *Service Manager*. All rights in and to all such images vests exclusively in the *Employer*
- Z11.5** The *Contractor* ensures that all his Subcontractors abide by the undertakings in this clause.

Z12 Employer's Step-in rights

- Z12.1** If the *Contractor* defaults by failing to comply with his obligations and fails to remedy such default within 2 weeks of the notification of the default by the *Service Manager*, the *Employer*, without prejudice to his other rights, powers and remedies under the contract, may remedy the default either himself or procure a third party (including any subcontractor or supplier of the *Contractor*) to do so on his behalf. The reasonable costs of such remedial works shall be borne by the *Contractor*



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- Z12.2** The *Contractor* co-operates with the *Employer* and facilitates and permits the use of all required information, materials and other matter (including but not limited to documents and all other drawings, CAD materials, data, software, models, plans, designs, programs, diagrams, evaluations, materials, specifications, schedules, reports, calculations, manuals or other documents or recorded information (electronic or otherwise) which have been or are at any time prepared by or on behalf of the *Contractor* under the contract or otherwise for and/or in connection with the *works*) and generally does all things required by the *Service Manager* to achieve this end.

Z13 Liens and Encumbrances

- Z13.1** The *Contractor* keeps the Equipment used to Provide the Services free of all liens and other encumbrances at all times. The *Contractor*, vis-a-vis the *Employer*, waives all and any liens which he may from time to time have, or become entitled to over such Equipment and any part thereof and procures that his Subcontractors similarly, vis-a-vis the *Employer*, waive all liens they may have or become entitled to over such Equipment from time to time

Z14 Intellectual Property

- Z14.1** Intellectual Property ("IP") rights means all rights in and to any patent, design, copyright, trade mark, trade name, trade secret or other intellectual or industrial property right relating to the Works.
- Z14.2** IP rights remain vested in the originator and shall not be used for any reason whatsoever other than carrying out the *works*.
- Z14.3** The *Contractor* gives the *Employer* an irrevocable, transferrable, non-exclusive, royalty free licence to use and copy all IP related to the *works* for the purposes of constructing, repairing, demolishing, operating and maintaining the works
- Z14.4** The written approval of the *Contractor* is to be obtained before the *Contractor's* IP made available to any third party which approval will not be unreasonably withheld or delayed. Prior to making any *Contractor's* IP available to any third party the *Employer* shall obtain a written confidentiality undertaking from any such third party on terms no less onerous than the terms the *Employer* would use to protect its IP
- Z14.5** The *Contractor* shall indemnify and hold the *Employer* harmless against and from any claim alleging an infringement of IP rights ("**the claim**"), which arises out of or in relation to:
- Z14.5.1** the *Contractor's* design, manufacture, construction or execution of the Works
 - Z14.5.2** the use of the *Contractor's* Equipment, or
 - Z14.5.3** the proper use of the Works.
- Z14.6** The *Employer* shall, at the request and cost of the *Contractor*, assist in contesting the claim and the *Contractor* may (at its cost) conduct negotiations for the settlement of the claim, and any litigation or arbitration which may arise from it.

Z15 Dispute resolution:

- Z15.1** **Appointment of the Adjudicator**



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An *Adjudicator* is appointed when a dispute arises, from the Panel of Adjudicators below. The referring party nominates an Adjudicator, which nomination is either accepted or rejected by the other party. In the instance of a rejection of the nominated *Adjudicator*, the referring Party refers the appointment deadlock to the Chairman of the Johannesburg Bar Council, who appoints an *Adjudicator* listed in the Panel of Adjudicators below

The Parties appoint the *Adjudicator* under the NEC3 Adjudicator's Contract, April 2013

Name	Location	Contact details (phone & e mail)
Adv. Ghandi Badela	Gauteng	+27 11 282 3700 ghandi@badela.co.za
Mr. Errol Tate Pr. Eng.	Durban	+27 11 262 4001 Errol.tate@mweb.co.za
Adv. Saleem Ebrahim	Gauteng	+27 11 535-1800 salimebrahim@mweb.co.za
Mr. Sebe Msutwana Pr. Eng.	Gauteng	+27 11 442 8555 sebe@civilprojects.co.za
Mr. Sam Amod	Gauteng	sam@samamod.com
Adv. Sias Ryneke SC	Gauteng	083 653 2281 reyneke@duma.nokwe.co.za
Mr. Emeka Ogbugo (Quantity Surveyor)	Pretoria	+27 12 349 2027 emeka@gosiame.co.za

Z15.2 Appointment of the Arbitrator

An *Arbitrator* is appointed when a dispute arises from the Panel of Arbitrators below. The referring party nominates an Arbitrator, which nomination is either accepted or rejected by the other party. In the instance of a rejection of the nominated *Arbitrator*, the referring Party refers the appointment deadlock to the Chairman of the Johannesburg Bar Council, who appoints an *Arbitrator* listed in the Panel of Arbitrators below

Name	Location	Contact details (phone & e mail)
Adv. Ghandi Badela	Gauteng	+27 11 282 3700 ghandi@badela.co.za
Mr. Errol Tate Pr. Eng.	Durban	+27 11 262 4001 Errol.tate@mweb.co.za
Adv. Saleem Ebrahim	Gauteng	+27 11 535-1800 salimebrahim@mweb.co.za
Mr. Sebe Msutwana Pr. Eng.	Gauteng	+27 11 442 8555 sebe@civilprojects.co.za
Mr. Sam Amod	Gauteng	sam@samamod.com
Adv. Sias Ryneke SC	Gauteng	083 653 2281 reyneke@duma.nokwe.co.za
Mr. Emeka Ogbugo (Quantity Surveyor)	Pretoria	+27 12 349 2027 emeka@gosiame.co.za

Z16 Notification of a compensation event

- Z16.1** Delete "eight weeks" in clause 61.3 and replace with "four weeks". Delete the words "unless the event arises from the Service Manager or the Supervisor giving an instruction, issuing a certificate, changing an earlier decision or correcting an assumption."



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Z17	BBBEE and Tax Clearance Certificates
Z17.1	The <i>Contractor</i> shall be expected to annually present a compliant BEE Certificate and a Tax Clearance Certificate. Failure to do adhere to these requirements shall be considered a material breach of the conditions of this Contract, the sanction for which may be a cancellation of this Contract.
Z18	Communication
Z18.1	Add a new Core Clause 14.5 and 14.6 to read as follows: The <i>Service Manager</i> requires the written consent of the Employer if an action will result in a change to the design, scope, and Service information that is 5% or more
Z18.2	The <i>Service Manager</i> requires the written consent of the Employer if an action will result in the Completion Date being extended by more than 30 days.
Z19	Delegation
	As stipulated by Section 37(2) of the Occupational Health and Safety Act No. 85 of 1993 as amended the <i>Contractor</i> agrees to the following:
Z19.1	As part of this contract the <i>Contractor</i> acknowledge that it (mandatory) is an employer in its own right with duties as prescribed in the Occupational Health and Safety Act No 85 of 1993 as amended and agree to ensure that all work being performed, or Equipment, Plant and Materials being used, are in accordance with the provisions of the said Act, and in particular with regard to the Construction Regulations.

C1.2 b - DATA PROVIDED BY THE *CONTRACTOR*

Clause	Statement	Data
10.1	The Contractor is (Name):	
	Address:	
	Telephone No	
	Email Address:	
	Represented by:	
	Title:	
	Address:	
	Telephone:	
	Email Address:	
	The <i>direct fee percentage</i> is:	%
	The <i>subcontracted fee percentage</i> is:	%
11.2	The <i>working areas</i> are	refer to C3 'Service Information'
24.1	The <i>Contractor's key persons</i> are:	CV's to be appended to resource proposal
1.	Name:	
	Responsibility:	Technician
	Qualifications:	
	Experience:	
2.	Name:	
	Responsibility:	Artisan
	Qualifications:	
	Experience:	
3	Name:	
	Responsibility:	
	Qualifications:	



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	Experience:	
4	Name:	
	Responsibility:	
	Qualifications:	
	Experience:	
11.2	The following matters will be included in the Risk Register	
	The plan identified in the Contract Data is	In Section C3, the Service Information
Option A	The <i>price list</i> is	In Section C2.2 of the Pricing Data of this contract
Option A	The tendered total of the Prices is	R (excluding VAT)
	(in words)	(excluding VAT)

PART C1: AGREEMENTS AND CONTRACT DATA

C1.3: ACSA INSURANCE CLAUSES

Insurance Schedule

Summary of Terms and other Matters Applicable to Employer-Provided Insurance

- The successful bidder must source the following insurance cover, which is the deductible in the ACSA insurance cover:
- Aviation liability insurance cover for an indemnity limit not less than R300 000 (three hundred thousand rands).
- Submit proof of insurance to ACSA before the work starts, and annually for the duration of the project.

C2.1 Pricing Instructions

The intended pricing strategy to be followed in this tender is according to the Price List (including the activity schedule).

1. The Contract Data, Service information, drawings and any other documents relevant to this tender must be read in conjunction with the Activity Schedule.
2. The contractor must plan the work in this contract as a set of activities. These should be the same activities as he shows on his programme.
3. This schedule covers the items that will be measurable. A lump sum price for each activity shall be entered and no other items will be measured. Costs not covered by the items may be included in the most appropriate items listed. The Contractor has the liberty to insert items, quantities and rates of his own choosing in the said schedule as a separate line item.
4. The pricing schedule as completed by the Contractor shall be **VAT exclusive** prices and shall cover, "inter alia" all general risks, liabilities, obligations, profit, expenses, costs, bonuses, all allowances such as shift and standby allowances, sick-leave, other leave, brackets, fixings, incidentals, consumables etc. that will be required to successfully complete this contract as set forth or as implied in the documents on which this Contract is based.
5. The contractor is to take note that payment is made for each activity only when it is complete. "Complete" as it is used in this schedule means the complete system or unit as specified in the particular document.
6. Unless a separate rate for the supply and for the installation of any item is specifically called for, the supply and installation costs of any item shall be fully included in the price.
7. The description of each item shall, unless otherwise stated herein, be held to include making, conveying and delivering, unloading, storing, unpacking, hoisting, setting, fitting and fixing in position, cutting and waste, patterns, models and templates, plant, temporary works, return of packaging, establishment charges, profit and all other obligations arising out of the contractual conditions.
8. The quantities and rates included for day work shall form part of the tender price, but Contractors shall note that this item must be regarded as provisional and will only be payable to the Contractor if and when a written order to this effect has been issued.
9. "Foreign" shall mean the CIF (Cost, Insurance and Freight) value.
10. No alterations to the original text shall be allowed. If any alterations are made, it shall be ignored, and the original wording will apply.
11. Variations in the scope and extent of the work shall be allowed to meet the Engineer's requirements and shall be measured and priced at the rates entered in the Activity Schedule, where appropriate, and shall form an addition to or deduction from the total of the Accepted Contract Amount. Any items or variations for which rates have not been included in the Activity Schedule shall be agreed and priced as non-scheduled items.
12. All provisional sums and contingency amounts shall be expended as directed by the Engineer and any balance remaining shall be deducted from the contract sum.
13. All items described as "provisional" shall be measured as executed and paid for according to prices in the Activity Schedule and any amounts not spent shall be deducted from the contract price. No work for which "provisional" items are provided shall, be commenced without written instructions from the Engineer.



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14. No commitment to expending any portion of the contingency amounts and/or provisional sums are made or implied by the Employer.
15. The Contractor shall not be entitled to any claim in instances where provisional sums are partially or in total removed from the contract.
16. The main cost drivers for this contract are required labour resources and required service levels and not the quantity of equipment.

C2.2 Price List

The following Activity Schedule is provided “as-is” for the benefit of the Tenderer. ACSA cannot guarantee that it is complete in all respects. The Tenderer is responsible for providing an Activity Schedule which is accurate, complete and in accordance with their proposal. Also, refer to C3 (Service information) for activities that need to be priced. Only items listed in this Activity Schedule may be billed to the Employer.

Activity Schedule

*By Tools, equipment and consumables is also meant cleaning materials, fasteners, lubricants, chemicals, electronic devices, etc. that are required to do any corrective or preventive maintenance, and measurements (multi-meters, etc.). The *Contractor* must submit a list of tools that will be used on this contract at the start of the contract. This tools list must be inspected and verified by ACSA monthly prior to payment.

Part 1 – Preventative Maintenance

(Please note: Maintenance cost for items is inclusive of labour, tools, consumables, PPEs and travelling)

***Only actuals will be claimed for. Approved reports will be used as “delivery notes” prior to claiming.**

No	Item/ Service Description	Frequency	Unit Price	Qty	Total Price
1	Preventative Maintenance of Automatic Sliding Doors (16 off) Please refer to C3 for defined minimum maintenance as defined in the <i>Employers</i> scope. Please complete Price breakdown of Automatic Sliding Doors inspections on part 6 of this Pricing schedule and transfer total price	Monthly		12	
2	Preventative Maintenance of Roller Shutter Doors (28 off) Please refer to C3 for defined minimum maintenance as defined in the <i>Employers</i> scope.	Monthly		12	
3	Preventative Maintenance of Trolleys (400 off) Please refer to C3 for defined minimum maintenance as defined in the <i>Employers</i> scope.	6 Monthly		2	
4	Preventative Maintenance of Gates (17 off) Please refer to C3 for defined minimum maintenance as defined in the <i>Employers</i> scope.	Quarterly		4	



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5	Bi annual Inspections of Lifting Equipment Please refer to C3 for defined minimum maintenance as defined in the <i>Employers</i> scope. Please complete Price breakdown of Lifting equipment inspections on part 5 of this Pricing schedule and transfer total price	6 Monthly		1	
6	Annual Load Testing of Lifting Equipment Please refer to C3 for defined minimum maintenance as defined in the <i>Employers</i> scope. Please complete Price breakdown of Lifting equipment Load testing on part 5 of this Pricing schedule and transfer total price	Yearly		1	
7	Preventative Maintenance of Boom Gates (14 off) Please refer to C3 for defined minimum maintenance as defined in the <i>Employers</i> scope.	Monthly		12	
8	Preventative Maintenance of Shaded Nets / Carports (84 off) Please refer to C3 for defined minimum maintenance as defined in the <i>Employers</i> scope.	Monthly		12	
9	Preventative Maintenance of Turnstile (1 off) Please refer to C3 for defined minimum maintenance as defined in the <i>Employers</i> scope.	Monthly		12	
10	Inspections of Handrails and Guardrails (9 off) Please refer to C3 for defined minimum maintenance as defined in the <i>Employers</i> scope.	Yearly		1	
11	Preventative Maintenance of Stainless Steel & Balustrades (Staircase) (1 off) Please refer to C3 for defined minimum maintenance as defined in the <i>Employers</i> scope.	Yearly		1	
12	Preventative Maintenance of Stainless Steel & Balustrades (Staircase) Please refer to C3 for	Yearly		1	



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	defined minimum maintenance as defined in the <i>Employers</i> scope.				
13	Provisional amount for Permits Only proven costs to be invoiced	Yearly	R30 000	1	R30 000
14	Provisional sum: Specialized, repairs, spares, etc. This line item makes provision for specialized activities, repairs and spares, using the information defined in Part 4 below - which is mandatory for completion by the bidder. The rates should be market-related at time of tender and only actuals will be invoiced for. Note: Provision for a total monetary value of R200 000 is made – which will be claimed for – using the information in Part 4.	Yearly	R200 000	1	R200 000
15	Cleaning of Shade Nets	6 Monthly		2	
	Sub-Total A (per year)				


Part 2 Once off Corrective Maintenance

No	Item/ Service Description	Unit Price	Qty	Total Price
1	Corrective Maintenance of the GA Gate Refer to C3 for detailed scope		1	
2	Corrective Maintenance of Electric Hoist Refer to C3 for detailed scope.		1	
3	Corrective Maintenance of Sliding Doors Refer to C3 for detailed scope. Please complete Price breakdown of Corrective Maintenance of Sliding on part 6 of this Pricing schedule and transfer total price		1	
4	Corrective Maintenance of Shaded Nets Refer to C3 for detailed scope		1	
5	Corrective Maintenance of Security Airside Kitchen Refer to C3 for detailed scope		1	
6	Corrective Maintenance of Cute and Cuss Server Room Refer to C3 for detailed scope		1	
7	Corrective Maintenance of Fire Simulator Refer to C3 for detailed scope		1	
8	Supply and delivery of Safety Harnesses (10 off) Refer to C3 for detailed scope		1	
9	Supply and delivery of (2 off) temporary horizontal lifeline kit Refer to C3 for detailed scope		1	

10	Corrective Maintenance of Roller Doors at the Maintenance Complex (6 Off) Refer to C3 for detailed scope		1	
	Sub-Total B (Once off)			

Part 3 ADHOC Corrective Maintenance

Note these are for evaluation purposes 80/20 maintenance principle applied.

No cost will be charged for minor repairs performed by maintenance staff during airport operating hours.

Rates are inclusive (include travelling, averaged for public holidays and after hour, admin and fees on overheads, PPE and tools allowance)

Labour rates

Any work not included under part 1 shall be deemed additional work or non-scheduled items and will be charged at the following rates:

Item	Description	Rates	Qty / Hours	Cost per annum
1	Specialized Engineer (Mechanical / Electrical) (on approval of the Service Manager. Includes a detailed engineer's report)	R	20 qty	R
2	Technician / Artisan	R	96 hrs	R
3	Technical assistants	R	96 hrs	R
4	Call Out Rate Including First Hour on Site	R	12	R
ADHOC Corrective Maintenance Sub-Total C (per year)				R

^aAll rates to exclude vat. Subject to agreement between the *Service Manager* and the *Contractor*, the number of staff allocated to the contract may be increased/decreased to cater for special needs that may arise from time to time. Labour rates shall include all personnel insurance, holidays with pay, incentive bonuses. No labour shall be charged for travel or travelling. Labour time shall be calculated for the time spent on site. Time spend on site must be proved by a job card signed by both the Employer's representative and the Contractor on the day(s) which the activities are performed. The job card must have the following information as a minimum:

- Date
- Time work started.
- Time work stopped
- What activities was performed?
- Approval signatures from both the Employer and the Contractor

Call-outs

Callouts rate must include all required travelling and the **first hour on site**.

Call out fee shall not be applicable when contractors are onsite.

Mark-up (third party procured items/services)

Cost shall be net cost (excluding VAT) of parts delivered to site with all discounts deducted. The third party's quote shall be presented when submitting quotes for approval.

Cost^b	Mark-up
R 0.00 – R 9, 999.99	10%
R 10, 000.00 – R 49, 999.99	7%
Greater R 50, 000.00	5%


Part 4 Bill of Quantities (BOQ) for unforeseen repairs and spares

No	Description	Unit of Measurement	Specification	Qty	Unit Price	Total
1	Shade net Technical Assessment and detailed Report	Each		1		
2	Shaded Net	per square metre	Dark Grey	1		
3	Pole	Each	Steel	1		
4	V-Belt	per metre	Black	1		
5	Sliding door DC Motors	Each	SN 88442 07093, 3500 rpm, In = 1,65A, Ifm = 16A	1		
6	Sliding door Opening & Safety sensor	Each	SC53-M, 12V-24V AC, 12 - 30V DC, <2,5W, 100mA	1		
7	Sensor communication cable					
8	Sliding Door PCB (Printed Circuit Board)	Each	Serial - 3592Batc NO. 0048, 24V DC supply	1		
9	Sliding door wheel	Each		1		
10	Locking Mechanism	Each		1		
11	Sliding door Glazing	per square metre		1		
12	Roller Doors Single Phase AC Motors	Each		1		
13	Door controller Box	Each		1		
14	Up & Down Switches	Each		1		
15	Roller Doors safety beam sensors	Each		1		
16	Roller doors steel cable	per metre		1		
17	Roller door chains	per metre		1		
18	Roller Door panel (structure)	Each		1		
19	Roller Doors Spring	Each		1		
20	Controller box batteries	Each	12V	1		
21	Paint for wooden roller door	Per Litre		1		
22	Mechanical Gate Motor	Each	3 Phase, SEW	1		
23	Proximity switches	Each		1		
24	Soft Starter	Each		1		
25	PLC - GA Gate	Each		1		
26	VSD / VFD	Each	Maker = Delta	1		
27	GA Gate Beam Sensor	Each		1		



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28	GA Gate Motor Rewinding	Each		1		
29	Gate wheel	Each		1		
30	Jockey wheel - Trailor mount lifting equipment	Each		1		
31	12V Batteries - Trailor Mount lifting equipment	Each	Lead Acid battery	1		
32	Limit switch - Trailor mount lifting equipment	Each		1		

Part 5 Break Down of Lifting Equipment Pricing

Bidders are required to fill in the individual pricing below and populate the total price on the Pricing schedule above

6 Monthly Inspections

Item	Qty	Description / Model/Type	Price
1	1	Trailor Mount Lift - TL37J	R
2	1	Scissor Lift - S1930	R
3	1	1 Ton Electrical Hoist	R
4	1	1.5 Ton Chain Block	R
5	10	Safety Harness	R
6	2	30m temporary horizontal lifeline kit	R
Total for all lifting equipment 6 Monthly Inspections (Total Price to be transferred to Line Item 5 on the Preventative Maintenance Price list)			R

Annual Load Testing

Item	Qty	Description / Model/Type	Price
1	1	Trailor Mount Lift - TL37J	R
2	1	Scissor Lift - S1930	R
3	1	1 Ton Electrical Hoist	R
4	1	2 Ton Crawl Beam	R
5	1	2 Ton Crawl Beam	R
6	1	1.5 Ton Chain Block	R



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7	1	2 Ton Crawl Beam	R
8	1	2 Ton Crawl Beam	R
9	10	Safety Harness	R
Total for all lifting equipment Annual Load Testing (Total Price to be transferred to Line Item 6 on the Preventative Maintenance Price list)			R

Part 6 Break Down of Sliding Doors Preventative Maintenance Pricing

Item	Quantity	Description	Price
1	2	Departure Entrance Doors	R
2	1	Arrivals Exit Door	R
3	2	Arrivals Baggage Hall Doors	R
4	5	Car Rental Building Sliding Doors	R
5	6	Boarding Gate Sliding Doors	R
Total for all Sliding Door Preventive Maintenance (Total Price to be transferred to Line Item 1 on the Preventive Maintenance Price list)			R

Part 7 Break Down of Roller Shutter Doors Preventative Maintenance Pricing

Item	Qty	Price	Location
1	6	R	Fire Station -Front Doors
2	6	R	Fire Station -Back Doors
3	1	R	Security Check Point 1
4	1	R	Security Check Point 2
5	1	R	Information Office
6	5	R	Lost Property - Arrivals
7	1	R	Cargo-Airside
8	6	R	Maintenance Complex
9	1	R	Lock up Garage- Landside
10	1	R	Old Vodacom Kiosk
Total for all Roller Shutter Door Preventive Maintenance (Total Price to be transferred to Line Item 2 on the Preventive Maintenance Price list)			R

Part 8 Break Down of Gates Preventative Maintenance Pricing

Gates				
Item	Qty	Price	Description / Model / Type	Location
1	2	R	Vector 2 (Cylinders) in each gate - Automatic	Main Gate
2	1	R	DRS90M4BE2HF - Automatic	Landside/Airside - General Aviation (Charlie Gate)
3	5	R	Emergency Gates - Manual	Perimeter Fence
4	1	R	Solar Plant Gate - Manual	Solar Plant - Landside
5	1	R	Car Rentals Gate - Manual	Car Rentals -Landside
6	2	R	Pump house Gate - Manual	Pump house next to Main Gate
7	1	R	Sewerage Pump Station Gate - Manual	Sewerage station - Landside
8	1	R	Maintenance Gate - Manual	Entrance Maintenance Complex
9	1	R	Palisade Gate - Manual	Palisade - Landside
10	1	R	Car Rental Depos - Manual	Depos -Landside
11	1	R	Landside gate next to GA Area and Fire Station	Next to Indwe Aviation
12	1	R	Palisade Gate - Manual	Staff Parking
12	1	R	Automatic Gate	Waste Site
Total for all Gates Preventive Maintenance (Total Price to be transferred to Line Item 4 on the Preventive Maintenance Price list)				

Part 9 Break Down of Sliding Doors Corrective Maintenance Pricing

Item	Quantity	Description	Price
1	2	Departure Entrance Doors	R
2	1	Arrivals Exit Door	R
3	2	Arrivals Baggage Hall Doors	R
4	5	Car Rental Building Sliding Doors	R
5	6	Boarding Gate Sliding Doors	R
Total for all Sliding Door Corrective Maintenance (Total Price to be transferred to Line Item 4 on the Corrective Maintenance Price list)			R



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Contract value

Below is the guide that must be used in estimating the contract value. This amount must be reported as the Contract Value in the corresponding schedules. Tenderers are reminded that this amount is for illustrative purposes only and that ACSA will not be under any obligation to expend the full or any portion of this amount. Monthly contract expenditure will be strictly calculated according to the Activity Schedule as provided above.

General Mechanical Equipment - twelve-months maintenance expenditure

Description	Total (excluding VAT)
Preventative maintenance Sub-Total A	R
ADHOC Corrective Maintenance Sub-Total C (per year)	R
12-months estimated contract value (Sub –Total A +Sub Total C)= Sub Total D	R

Expenditure over 5-year contract including CPI yearly price adjustments (As per Statistic SA)

Description	Total (excluding VAT)
Sub-total D: year 1	R
Sub-total E: year 2 (year 1 plus CPI escalation*)	R
Sub-total F year 3 (year 2 plus CPI escalation*)	R
Sub-total G: year 4 (year 3 plus CPI escalation*)	R
Sub-total H: year 5 (year 4 plus CPI escalation*)	R
Corrective Maintenance Sub-Total B (Once Off)	R
5-years estimated contract value Sub-Total H (excluding Vat) =	R
Vat (15% of Sub-Total I)	R
*5-years estimated contract value Sub-Total H (Sub-Total I plus Vat)	R

***this amount to be carried over to Form of Offer and Acceptance.**

Contract values will be increased/decreased according to the current indices stipulated in Statistic SA – Consumer Price Indices- all income groups. **7% escalation should be used for illustrative purposes.**

C3 Service information

DESCRIPTION OF THE WORKS

Employer's objectives

The objective is to maintain the serviceability of the general mechanical equipment at George Airport in a sustainable manner at the lowest operating and maintenance costs while ensuring compliance to general safety and aviation related legislation.

The scope entails maintenance of general mechanical equipment at George Airport. In brief, maintenance involves servicing, repairs, replacement, and system performance test. The general mechanical equipment comprises of:

- Automatic & Manual Sliding Doors.
- Roller Shutter Doors.
- Trolleys and Trolley Pushers.
- Mechanical Gates.
- Emergency perimeter gates
- Lifting Equipment
- Shaded Nets / Carports
- Boom Access gates.
- Turnstiles
- Handrails & Guardrails
- Balustrades
- Fire Simulator

Servicing - performing routine preventive maintenance as prescribed by the original equipment manufacturer (OEM) specifications and ACSA's planned maintenance activities routes. Some equipment will be serviced as when as required by ACSA / Service Manager

Repairs – responding to breakdowns, callouts and restoring the equipment to a safe working condition.

Replacement – changing of faulty components or obsolete components with an upgraded part or modification.

System Performance Test – Testing the system's performance as per the original equipment manufacture's (OEM) specifications including interface with other systems, etc.

Automatic Sliding Doors

The supplier will be responsible for servicing, repairing, conducting system performance test, statutory tests and replacement of components (where required) of the automatic sliding doors; comprising of but not limited to: aluminium door leave, glass, controller, motor, rail/track, etc.

Roller Shutter Doors

The supplier will be responsible for servicing, repairing, conducting system performance test, statutory tests and replacement of components (where required) for the roller shutter doors (combination of manual and automated roller doors); comprising of but not limited to: shaft with springs, motor, gearbox, slats, T-bars, etc.

Trolleys and Trolley Pushers

The supplier will be responsible for servicing, repairing, conducting system performance test, statutory tests and replacement of components (where required) for the trolleys and trolley pushers); comprising of but not limited to: Frame, braking mechanism, castor wheels, battery, battery charger, etc.

Mechanical Gates

The supplier will be responsible for servicing, repairing, conducting system performance test, statutory tests and replacement of components (where required) for mechanical gates (combination of manual and automated gates including aircraft gates); comprising of but not limited to: gate structure, motor, gearbox assembly, control box, castor wheels, remote controller, turnstiles, automated boom gates, etc.

Emergency perimeter gates

The supplier will be responsible for servicing, repairing, replacement of components (where required) emergency perimeter gates); comprising of but not limited to: fencing damage, paint damage, corrosion treatment, this will be done only as and when required by service manager.

Lifting Equipment

The supplier will be responsible for servicing, repairing, conducting system performance test, statutory tests and replacement of components (where required) for lifting equipment (Scissor lift, lifting tackles, crawl/lifting beams, articulating boom lift, etc)

Boom Access gates.

The supplier will be responsible for servicing, repairing, conducting system performance test, statutory tests, and replacement of components (where required) for the boom access); comprising of but not limited to: Frame, Pendulum support, paint damage, corrosion treatment, Electrical controls, spring settings of lever system, UPS, Traffic lights lead barriers etc.

Shaded Nets / Carports

The supplier will be responsible for repairing, statutory tests and replacement of components (where required); comprising of but not limited to: aluminium Poles, Nets, bolts, and nuts etc, rust treatment.

Turnstiles

The supplier will be responsible for servicing, repairing, statutory tests and replacement of components (where required); comprising of but not limited to : Lubrication of mechanical parts etc.

Handrails & Guardrails

The supplier will be responsible for servicing, repairing, statutory tests and replacement of components (where required / applicable); comprising of but not limited to: Steel / Aluminium structure, bolts, and nuts etc, rust treatment.

Stainless Steel & Balustrades (Staircase)

The supplier will be responsible for servicing, repairing, statutory tests and replacement of components (where required); comprising of but not limited to: aluminium / Steel structure, steel cable, bolts, and nuts etc, rust treatment.

Fire Simulator

The supplier will be responsible for repairing, statutory tests and replacement of components (where required); comprising of but not limited to: rust treatment, pipe replacement or repair, bolts, nuts and fuel supply testing etc.

Extent of the works

The Contractor will be fully responsible for meeting all requirements in this document regarding the Works.

For each piece of equipment, all work will be carried out to standards as required by the Original Equipment Manufacturer (OEM) as well as any applicable governing law and/or regulations. Where OEM standards differ from those required by this document the more stringent requirement shall apply. The Contractor will be fully responsible for obtaining (and keeping up to date with) said requirements.

The Contractor will be responsible for providing staff which are sufficiently skilled and qualified for successful execution of the works. The Contractor shall comply with the Minimum Staffing Schedule always – as stipulated in the Annexes. This may be amended by mutual arrangement between ACSA and the Contractor from time to time.

The Contractor shall always remain responsible to ensure that the compliment and maintenance regime is sufficient to maintain the service levels and system performance indicators as stipulated in the Annexes. Should the Contractor not be able to maintain adequate system performance indicators due to constraints caused by the Employer, it shall be timeously reported, in writing, to the Contract Manager. Refer to the Annexes for the required system performance indicators.

The Contractor will ensure that his/her staff compliment is of a sufficient quantity to allow for uninterrupted supply of labour in the event of his/her staff taking sick leave, paid leave and will allow for all staff related eventualities.

The Contractor shall continuously ensure that all staff is suitable, able, and competent for the duties required of them. The Contractor shall continuously ensure that all staff is knowledgeable and trustworthy to perform maintenance activities/procedures for the Works. The Contractor shall further

ensure that any staff member reasonably suspected of partaking in criminal activities is immediately removed from site and his permit returned to and/or cancelled at the ACSA Permit Office.

All work shall be performed within the required Response Times – as stipulated in the Annexes. Any breakdown impacting on operations shall be attended-to until restored to good reliable condition. No breakdown may be left unattended or incomplete for the next day or shift. All repair work shall carry a defect free guaranteed for a period of 3 months after completion of work.

All work shall be charged according to the Activity Schedule. However, no labour shall be charged for any non-scheduled work, repair work or other work when carried out by a scheduled maintenance shift.

All spares will be charged according to the Activity Schedule. The Contractor shall ensure that replacement parts are effectively managed and disposed-off in a safe manner.

The Contractor will be responsible for holding all tools and/or special equipment that might be required for the execution of the works, either on site or on their premises in order to comply with the Response Time requirements of this contract. Any exclusion to the above should be clearly communicated in the returnable schedules when submitting the tender.

The Contractor shall ensure that, unless a special arrangement is made with the Service Manager, all senior staff members and maintenance support staff is always immediately reachable via cell phone.

The Contractor shall ensure that all maintenance staff are issued with uniforms that will comply with a minimum requirement as agreed with the Service Manager from time to time. Current airport requirements are safety shoes, work suit and a uniquely numbered reflective jacket (for easy identification via CCTV).

Location of the works

The Works are located at Regional Airports-coastal at various locations. Refer to Annex A (schedule of equipment)

PROCUREMENT

Preferential procurement procedures

Requirements

The Contractor will respect OEM warranties to ACSA always when procuring spare parts, products or 3rd party services. It will be the Contractor's sole responsibility to ensure that OEM warranty requirements are adhered to always.

Where Contractors use or quote on spare parts of a lower quality than recommended by the OEM, or parts not recommended by the OEM, this shall be clearly indicated to the Service Manager on the quotation. This also implies that the Contractor must build relationships with the various key OEM's.

The Contractor must adhere to all airport requirements regarding fire, health and safety when procuring replacement parts.

No casual labour (i.e. "off the street" labour) may be employed by the Contractor unless pre-arranged with ACSA. Whenever this is required, the Contractor shall come to a suitable arrangement with ACSA regarding sourcing and screening of such individuals.



Subcontracting

No part of this Contract may be subcontracted unless with written approval from ACSA. ACSA shall be under no obligation to grant such approval. Should any part of this Contract be subcontracted, the Contractor will be responsible for all Works (or failure to affect the Works) as if it was done so by the Contractor.

MANAGEMENT

Management of the works

Particular / generic specifications

All work shall conform to all relevant SANS standards, OHS ACT regulations and all other legislation that might be relevant to this Contract and the execution thereof.

All work shall be carried out in accordance with prevailing industry norms and best practice and will always comply with OEM requirements.

Planning and programming

All maintenance work shall be scheduled, and a roster presented to the Service Manager at the end of the preceding month. Work shall be scheduled in a manner as not to interfere with any normal airport operations.

Normal airport operational hours shall be:

George Airport: Mon Thu 06H30 – 19H00; Fri 06H30 – 20H00, Sat 08H30 – 15H00; Sun 08H30 – 19H30

Normal working Hours shall be 07H00-17H00

As a **minimum** requirement, the Contractor shall roster **scheduled** preventative maintenance activities.

Maintenance teams will attend to scheduled preventative maintenance, non-scheduled maintenance, and breakdown maintenance. The Contractor must ensure that no scheduled maintenance work is carried over to the following week.

All Preventative Maintenance shall be scheduled, at least, to the requirements of the annexures (The Contractor must ensure that sufficient allowances for all these items are made with his/her pricing in the Activity Schedule.)

Methods and procedures

The Contractor must accept and respect the fact that the Airport is continuously undergoing construction and improvement and that a variety of stakeholders are involved in ACSA's business. Therefore, within reason and with prior arrangement with the Contractor, ACSA might require the following from time to time:

- Assisting with emergency repairs on
- Assisting with airport operations Re-scheduling of work to accommodate other contractors.
- Allowing access and aiding OEM suppliers to correct defects on equipment and/or systems.
- Pointing out services to consultants or other contractors
- Providing access to other contractors
- Attending co-ordination and planning meetings
- Removing rubble and/or equipment from site relating to this contract
- Training of ACSA operators and/or technicians
- Providing of system data and/or statistics to ACSA
- Recommending improvements on maintenance procedures
- Recommending improvements on operational procedures
- Co-operating with ACSA Security relating to security issues



The ACSA Service Manager may instruct operational and works procedures to the Contractor as might be required from time to time. The Contractor will instruct his/her staff accordingly and implement measures to ensure that these procedures are strictly adhered to.

Quality plans and control

All work must be executed in accordance with prevailing industry norms and standards relating to quality. In this regard, the Contractor will be expected to draft quality plans for the Service Manager from time to time. Emphasis must be on improving system reliability and on ensuring that rostered maintenance work is indeed performed as and when required.

Environment

The Contractor will keep noise and dust levels to a minimum. At no time, shall his/her work result in nuisance, interference or danger to the public or any other person working at the Airport.

At no time, shall the Contractor:

- allow any pollutive or toxic substance to be released into the air or storm water systems
- interfere with, or put at risk, the functionality of any system or service
- cause a fire or safety hazard

Format of communications

Work instructions, daily check sheets, monthly maintenance reports, breakdown reports, exception reports, etc. will all be in a format as agreed with the Service Manager.

Key personnel

A schedule of key personnel to this Contract (as per the Schedules) will be provided to the Service Manager at commencement of this Contract. This will, as a minimum, include all persons from technician level to management level. For the full duration of this Contract, none of these persons will be replaced by a person of lesser ability or qualification. All on-site staff leaves shall be reported and agreed with the Service Manager.

Management meetings

The Contractor will be expected to attend meetings relating to maintenance, operations, contract management and other issues that may arise from time to time. As far as is practicable, the Contractor will make all required persons available for these meetings. The Contractor shall not submit claims for payment for staff attending any of these

The meeting shall be site specific. The medium in which the meetings will be conducted will be discussed with the site-specific Site Manager on contract commencement.

Electronic payments

The Contractor should arrange with ACSA's finance department for making all payments electronically.

Daily records

The Contractor shall keep accurate daily records of staff attendance, maintenance work, safety inspections and exception reports. Records shall be available for scrutiny by the Service Manager at any time. All records shall be in a format as agreed with the Service Manager.

Monthly reports

When invoicing, the Contractor shall ensure that all required reports for the corresponding month are attached to the monthly invoice. This will include monthly reports on:

1. system availability (averaged per week)
2. maintenance work (including % of scheduled maintenance work completed)
3. maintenance plan for the next month
4. Asset register up to date including equipment data
5. Outstanding maintenance issues

The contractor shall keep copies of all reports and records for at least 3 years. All reports shall be in a format as agreed with the Service Manager from time to time.

Permits

The Contractor shall not be compensated for costs relating to ACSA required permits, or for labour/time spent in obtaining it. An allowance must be made in the Activity Schedule in this regard.

The Contractor must ensure that he/she is, always, familiar with ACSA's safety and security requirements relating to permits for no work to be delayed as a result thereof. This will include the permit application process.

Note that (within reason) the Contractor will have no claim against ACSA if a permit request is refused.

The following table is not all inclusive, but is provided for illustration purposes:

Permit	Required by/for	Department
AVOP – Airside Vehicle Operator permit	All drivers of vehicles on airside	ACSA Safety
Airside Vehicle Permit	All vehicles that enter airside	ACSA Safety
Basement Parking permit	All vehicles allowed to enter the delivery basement	ACSA Parking
Personal permit	All persons employed on the airport	ACSA Security
Cell phone permit	All persons taking cell phones to airside	ACSA Security
Lap top permit	All persons taking lap top computers to airside	ACSA Security
Camera permit	All persons taking cameras or camera equipment to airside	ACSA Security
Hot Works Permit	All welding and/metal cutting work	ACSA Safety

Proof of having attended the airside induction training course is required for all personal permit applications. Persons applying for an AVOP must provide proof of having attended an AVOP course. Fees are levied for these courses. Fees are further levied for all permit renewals and refresher courses - where applicable.

Proof of compliance with the law

The Service Manager may at any time request from the Contractor reasonable proof that the Contractor is in compliance with a law or regulation.

Insurance provided by the employer

Refer to General Conditions of Contract

Health and safety

Service information

Health and safety requirements and procedures

The Contractor shall be fully responsible for compliance to the Occupational Health and Safety Act for all persons, equipment and installations relating to this Contract. The Contractor is expected to sign the undertaking in this regard as attached in the annexes.

It shall be the Contractor's responsibility to ensure that all relevant labour and safety legislation is adhered to in rostering staff.

All persons on company premises shall obey all health and safety rules, procedures and practices. NO SMOKING signs and the prohibition of the carrying of smoking materials in designated areas shall always be obeyed. A copy of the Safety Rules booklet is available on request from the ACSA Safety Department.

All the applicable requirements of the Occupational Health and Safety Act (1993) and Regulations and any amendments thereto, shall be met. Where the OHS Act prescribes certification of competency of persons performing certain tasks, proof of such certification shall be provided to the Service Manager.

The contractor's Workmen's Compensation fees must be up to date. A copy of the Contractor's WCA registration shall be produced on request.

The following areas in the company are declared as "HOT WORKS PERMIT" areas:

All airside areas

All basement areas

All areas accessible to the public

All enclosed areas

The terminal building

Any process in the above-mentioned areas involving open flames, sparks, or heat shall be authorised by the issue of a permit to work - obtainable from the ACSA Safety department. Any work done under the protection of a permit to work shall be in strict compliance with every prescription regarding the permit.

Safety equipment shall be used where applicable (e.g. safety, goggles, boots, harness, etc.) The Contractor, at his/her own expense shall provide such equipment, for his/her employees. The Contractor shall apply the necessary discipline and control to ensure compliance by his workers.

All Contractors must ensure that his/her employees are familiar with the existing emergency procedures and must co-operate in any drills or exercises, which might be held. Emergency / fire equipment and extinguishers shall not be obstructed at any time

No person shall perform an unsafe / unhygienic act or operation whilst on Company premises.

No unsafe/dangerous equipment or tools may be brought onto or used on Company premises. The Company reserves the right to inspect all equipment/tools at any time and to prevent/prohibit their use, without any penalty to the Company and without affecting the terms of the Contract in any way.

The Company reserves the right to act in any way to ensure the safety/security of any persons, equipment or goods on its premises and will not be liable for any costs or loss evoked by the action. This includes the right to search all vehicles and persons entering, leaving or on the premises and to inspect any parcel, package, handbag and pockets. Persons who are not willing to permit such searches may not bring any such items or vehicles onto the premises.

The Contractor shall maintain good housekeeping standards in the area where he is working for the duration of the contract.

At no time, must the Contractor interfere with, or put at risk, the functionality of any Sprinklers and/or fire prevention system. Care must also be taken to prevent fire hazards.

The Contractor is required to issue all staff with standard uniforms. This shall as a minimum include: safety shoes, overalls (clearly marked with Contractor's company logo) and numbered reflective jackets (as per Airport requirements). All costs relating to uniforms shall be for the Contractor's account.

Cell phones and two-way radios

Use of cell phones on airside is **not** permitted unless the user is in possession of an appropriate Airport permit for the device. Cell phone permit issuing authority lies with the ACSA Security department.

The Contractor will **not** be allowed to use two-way radios at the Airport unless these radios are of the type, model and frequency range as approved by the ACSA IT department.

Protection of the public

The Contractor shall take special care in order not to harm or endanger the public in any way. Work shall be sufficiently hoarded and guarded to safeguard children and the general public from injury relating to machinery, work or other.

Barricades and lighting

Where hoarding, barricades or lighting is required in the execution of the Works, the Contractor shall provide same at his/her own expense. Hoarding, barricades and lighting shall comply with industry accepted norms and standards and may not be used for purposes of advertising or any other purpose than safeguarding the Works.

ANNEXES to C3 (Service information)

Title	Annex number
Schedule of Equipment	Annex A
Service Level Agreement	Annex B
OHS Act Appointment by Contractor	Annex C
Environmental Terms and Conditions	Annex D
Schedule of Tools and Special Equipment	Annex E
Contract start-up proposal	Annex F
Resource proposal	Annex G
Suggested Maintenance Programme	Annex H

ANNEX A
SCHEDULE OF EQUIPMENT

George Airport

The list below indicates all existing equipment and their descriptions that form part of this Contract. Bidders should be aware that George Airport is in the process of Terminal Expansion Project and as such the quantities listed may Increase or decrease during the Project. Any addendums will be communicated by the Employer and the Contractor will be required to adjust the pricing accordingly

Automatic Sliding Doors and Manual Swing Doors				
Item	QTY	Manufacturer	Description / Model	Location
1	2	Assa Abloy	Aluminium	Terminal Building Entrance (Check In)
2	2	Assa Abloy	Aluminium	Terminal Building Entrance/Exit - Near Arrivals
3	6	Assa Abloy	Aluminium	Departures - Boarding Gates
4	2	Assa Abloy	Aluminium	Arrivals
5	1	Assa Abloy	Aluminium	Parking Office

Roller Shutter Doors				
Item	Quantity	Manufacturer	Description / Model /Type	Location
1	6	Sandpalm	Panoramic doors - Automatic	Fire Station -Front Doors
2	6	Sandpalm	Electrical -Insulated sectional doors	Fire Station -Back Doors
3	1	Xpanda	Aluminium- Manual	Security Check Point 1
4	1	Xpanda	Aluminium - Manual	Security Check Point 2
5	1	Xpanda	Aluminium - Manual	Information Office
6	5	Xpanda	Aluminium - Manual	Lost Property - Arrivals
7	1	Unknown	Steel -Manual	Cargo-Airside
8	6	Unknown	Steel - Manual	Maintenance Complex
9	1	Unknown	Wooden Door - Manual	Lock up Garage- Landside
10	1	Xpanda	Aluminium - Manual	Old Vodacom Kiosk (Next to Illy)

Trolleys



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Item	Quantity	Manufacturer	Model
1	400 Trolleys	Wanzi Passenger Handling Services	Travel 300

Gates				
Item	Qty	Manufacturer	Description / Model / Type	Location
1	2	Centurion Systems	Vector 2 (Cylinders) in each gate - Automatic	Main Gate
2	1	SEW Euro drive	DRS90M4BE2HF - Automatic	Landside/Airside - General Aviation (Charlie Gate)
3	5	Unknown	Emergency Gates - Manual	Perimeter Fence
4	1	Unknown	Solar Plant Gate - Manual	Solar Plant - Landside
5	1	Unknown	Car Rentals Gate - Manual	Car Rentals -Landside
6	2	Unknown	Pump house Gate - Manual	Pump house next to Main Gate
7	1	Unknown	Sewerage Pump Station Gate - Manual	Sewerage station - Landside
8	1	Unknown	Maintenance Gate - Manual	Entrance Maintenance Complex
9	1	Unknown	Palisade Gate - Manual	Palisade - Landside
10	1	Unknown	Car Rental Depos - Manual	Depos -Landside
11	1	Unknown	Landside gate next to GA Area and Fire Station	Next to Indwe Aviation
12	1	Unknown	2x3m wide.1.8m high	To be installed by Bollard Project
13	1	Unknown	2x4m wide.1.8m high	To be installed by Bollard Project
14	1	Unknown	6m wide.1.8m high	To be installed by Bollard Project

Lifting Equipment				
Item	Quantity	Manufacturer	Description / Model/Type	Location
1	1	Snorkel	Trailer Mount Lift - TL37J	Electrical Complex
2	1	Snorkel	Scissor Lift - S1930	Arrival Baggage Hall - Airside
3	1	Unknown	1 Ton Electrical Hoist	Fire Station
4	1	Unknown	2 Ton Crawl Beam	Fire Station
5	1	Unknown	2 Ton Crawl Beam	Booster Station
6	1	Unknown	1.5 Ton Chain Block	Booster Station



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7	1	Unknown	2 Ton Crawl Beam	Electrical Complex Transformer Room
8	1	Unknown	2 Ton Crawl Beam	Electrical Complex Store
9	10	Various	Safety Harness	Electrical Complex

Boom Gates				
Item	Quantity	Manufacturer	Description / Model/Type	Location
1	6	Boom Gate System (PTY) LTD	Boom Gates -Automatic	Entrance Booms -Open parking Drop & Go, Shaded Parking and Grass Parking
2	2	Boom Gate System (PTY) LTD	Boom gates - Automatic	Staff Parking - Landside
3	5	Boom Gate System (PTY) LTD	Boom Gates - Automatic	Exit boom next to Car Rentals, Slipway and Parking Exits
4	1	Hub Parking Technology	MHTM Micro Drive - Automatic	Exit Boom next to Parking office



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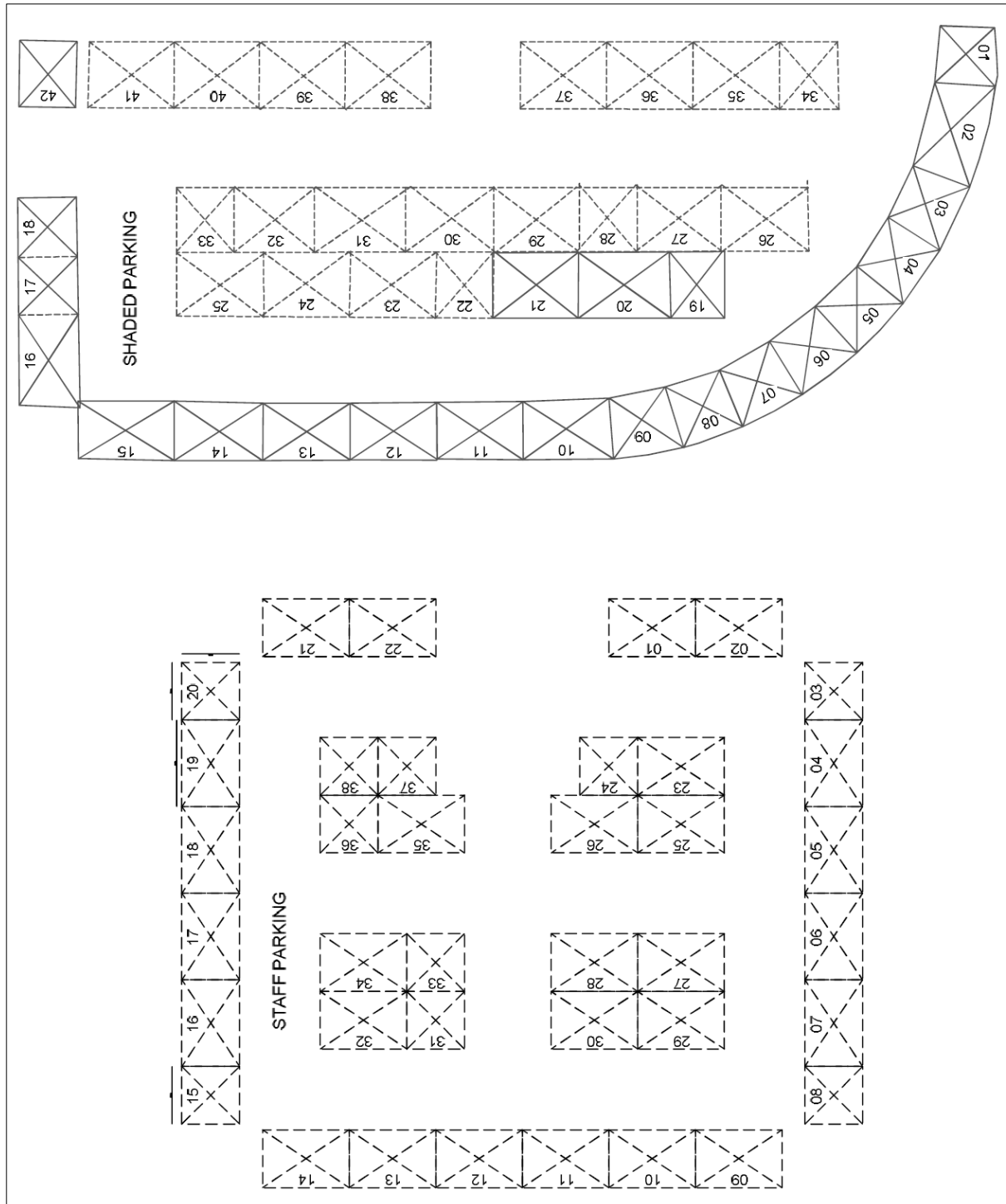
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Car Port Steel Structure Dimensions (meters)							
STAFF PARKING				SHADED PARKING			
No	Width	Breadth	Comment	No	Width	Breadth	Comment
01	7.45m	5m		01	5.7m	5m	Shade cloth missing
02	7.4m	5m		02	7.45m	5.6m	Shade cloth missing
03	5m	5m		03	5.8m	5.6m	
04	7.5m	5m		04	5.8m	5.6m	
05	7.5m	5m		05	5.8m	5.6m	
06	7.56m	5m		06	5.8m	5.6m	
07	7.3m	5m		07	5.89m	5.6m	
08	5m	5m		08	5.89m	5.6m	
09	7.34m	5m		09	7.7m	5.6m	Shade cloth missing
10	7.5m	5m		10	7.5m	5.6m	
11	7.5m	5m		11	7.5m	5.6m	
12	7.5m	5m		12	7.5m	5.6m	
13	7.5m	5m		13	7.56m	5.6m	
14	7.5m	5m		14	7.56m	5.6m	
15	5m	5m		15	7.4m	5.34m	Shade cloth Damaged
16	7.5m	5m		16	7.1m	5m	Shade cloth missing
17	7.45m	5m		17	5m	5m	
18	7.45m	5m		18	5.2m	5m	
19	7.45m	5m		19	5.1m	5m	Damaged Corner Pole
20	4.9m	5m		20	5m	5m	
21	7.5m	5m		21	7.5m	5m	
22	7.5m	5m		22	7.4m	5m	
23	7.3m	5m		23	7.6m	5m	
24	5m	5m		24	7.6m	5m	
25	7.45m	5m		25	7.5m	5m	
26	7.45m	5m		26	7.5m	5m	
27	7.45m	5m	Damaged Corner Pole	27	7.5m	5m	
28	7.56m	5m		28	5m	5m	
29	7.45m	5m		29	7.6m	5m	
30	7.56m	5m		30	7.5m	5m	
31	4.78m	5m		31	7.56m	5m	
32	7.34m	5m		32	7.56m	5m	
33	4.78m	5m		33	7.5m	5m	Shade cloth missing+ Damaged corner pole
34	7.4m	5m		34	7.5m	5.56m	
35	7.45m	4.9m		35	5.1m	5.56m	



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36	4.9m	5m		36	5.1m	5.5m	
37	4.89m	5m		37	7.5m	5.5m	





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Note: Physical verification and quantifying to be done during site inspection

Turnstiles				
Item	Quantity	Manufacturer	Description / Model/Type	Location
1	1	Unknown	Turnstile	Main Gate

Handrails & Guardrails				
Item	Quantity	Manufacturer	Description / Model/Type	Location
1	1	Unknown	Handrails, Guardrails	Next to shaded Parking
2	8	Unknown	Handrails, Guardrails	Airside - (Arrivals, Apron ablutions, Departure)

Stainless Steel & Balustrades and Handrails				
Item	Quantity	Manufacturer	Description / Model/Type	Location
1	1	Unknown	Stainless Steel Balustrades and Handrails	Stairs next to Bidvest Lounge

Fire Simulator				
Item	Quantity	Manufacturer	Description / Model/Type	Location
1	1	Unknown	Aircraft Fire Fighter Simulator	Airside – Close to Transmitter and Glideslope 11

ANNEX B

SERVICE LEVEL AGREEMENT

Operational hours

Normal airport operational hours shall be as detailed below for the year but will be confirmed/amended by the Service Manager from time to time. The Contractor must allow for sufficient after-hours work for scheduled work not to interfere with airport operations.

Normal airport operational hours shall be

George Airport: Mon Thu 06H30 – 19H00; Fri 06H30 – 20H00, Sat 08H30 – 15H00; Sun 08H30 – 19H30

Normal Working Hours shall be 07H00 – 17H00

Minimum Staffing Schedule

The Contractor shall continuously ensure that all staff is suitable, able and competent for the duties required of them. Staff must have mechanical/electrical experience related to the scope of work. The Contractor shall continuously ensure that all staff is knowledgeable on all equipment relating to automatic sliding doors, roller shutter doors, mechanical gates, trolleys and trolley pushers.

Detail requirements regarding staff

The Contractor shall continuously ensure that all staff is suitable, able and competent for the duties required of them. Staff must have mechanical experience. The Contractor shall continuously ensure that all staff is knowledgeable on all equipment relating to the automatic sliding doors, roller shutter doors, mechanical gates, trolleys and trolley pusher.

Minimum qualifications of staff

TECHNICIAN

- At least an N6 or NQF Level 6 Qualification in mechanical engineering/Industrial Engineering/Mechatronics/Millwright/Electrical Engineering
- The ability to conduct investigations and supervise/ manage a maintenance team
- The ability to prepare comprehensive reports, sign off all maintenance records and verify that the systems are safe and fit for use on monthly basis
- At least 5 years working experience in mechanical equipment (motors/ gear box/ steel structure/ lubrication/ control panels etc.);
- Representative for the Contractor regarding: attendance of scheduled meetings with Site Manager / Employer's stakeholders, contract management, preparing and submission of monthly reports/incident reports to the Site Manager.

ARTISAN

- At least N3 Certificate in mechanical engineering/Industrial Engineering/Mechatronics/Millwright/Electrical Engineering
- Trade test certificate complimenting the above mention field
- Must be in permanent employ of the company
- The ability to prepare comprehensive reports, sign off all maintenance records and verify that the systems are safe and fit for use on monthly basis
- At least 3 years working experience in (motors/ gear box/ steel structure/ lubrication/ control panels etc.);
- Basic PLC knowledge and troubleshooting experience.

The Contractor must maintain the following **minimum** staff available when required and should price accordingly:

Skill	Quantity	Frequency
Technician	1	Planned and Unplanned Maintenance
Artisan	1	Planned and Unplanned Maintenance

The Contractor must have additional resources available to attend to lengthy breakdowns or breakdowns of a specialised nature.

It shall be the Contractor's responsibility to ensure that all relevant labour and safety legislation is adhered to in rostering staff.

The Contractor shall schedule staff to complete the preventative maintenance schedule accordingly. The Tenderer must ensure that sufficient allowance for all these items is made for in his/her pricing in the Activity Schedule.

Response Times

Description	Benchmark
Availability	Notwithstanding the closure time required for breakdowns requiring spare part(s) or a second level of response; ➤ Trolleys availability shall be kept at or above 99.5% overall per month. ➤ Trolley Pushers availability shall be kept at or above 99.5% overall per month. ➤ Automatic sliding doors availability shall be kept at or above 99.5% overall per month. ➤ Roller shutter doors availability shall be kept at or above 99.5% overall per month. ➤ Mechanical gates systems availability shall be kept at or above 99.5% overall per month.
Response time	90% of breakdowns shall be responded to within: ➤ 24 hours from the time the Contractor is notified of the breakdown - during airport normal operational hours ➤ 2 hours from the time Contractor is notified of the breakdown – after airport operational hours
Closure Duration	90% of breakdowns shall be resolved within: ➤ 48 hours from the time the Contractor arrives on site – during airport normal operational hours ➤ 48 hours from the time the time Contractor arrives on site - after airport operational hours
% of planned maintenance completed per month	100% of all planned maintenance shall be completed per month

Total breakdowns requiring a second level of response (the intervention of a Field Engineer or higher expertise)	➤ All breakdowns requiring a second level of response shall be resolved within 48 hours (subject to the lead time of required spares) and shall be limited to a total of 3 occurrences per month.
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Human resources

The following minimum standards shall apply to resourcing:

1. For all call-outs: Considering current airport access control infrastructure and security arrangements and considering the physical layout of the apron, the Contractor shall ensure a sufficient quantity and effective positioning of staff to meet or exceed the Service Level Agreement.
2. The rostered maintenance staff compliment shall be sufficient to perform all required preventative maintenance for each month.
3. During operational hours, the Contractor shall respond in accordance to the S.L.A to successfully attend to breakdowns.
4. During operational hours, the Contractor shall have at least one senior person who will respond to the call outs who:
 - a) Is suitably qualified and experienced to resolve breakdowns and system stoppages.
 - b) Is suitably qualified and experienced to work on any electrical control panel.
 - c) Is able to successfully interact with OEM personnel.
 - d) Is of a level of seniority to successfully direct and manage Contractor staff and possible sub-contractors during system breakdowns and can successfully interact with airport operational staff and airport management.

Staff qualifications

It will always remain the Contractor's responsibility to ensure that staff is suitably qualified and experienced for the duties expected of them. Further all applicable legislative requirements must be adhered to in rostering staff.

ACSA reserves the right to verify all personnel employed under this contract. Furthermore, ACSA reserves the right to order that personnel that are not adequately qualified or suited for this contract are removed from the site.

The Contractor must comply and respond to the following:

*Compliance to benchmarks will be calculated on a weekly average except on repairs that will be calculated on a monthly average. The total operational hours for the respective week/month shall be used as a guide. The only exceptions will be stoppages due to mains electricity supply failures and/or where ACSA has refused system repairs and/or adequate access to the site.

Detail on how calls will be dispatched will be discussed on site with the Service Manager as the call dispatch process varies from airport to airport.

*Availability will be calculated on a monthly average. This will include all stoppages, even if such stoppages are not under the Contractor's control. The only exceptions will be stoppages due to mains



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electricity supply failures and/or where ACSA has refused system repairs and/or adequate access to the site. The total operational hours for the respective week/month shall be used as a measure for calculating availability. All other benchmarks above will be calculated on a weekly average. Reports will be provided by the ACSA Computerised Maintenance Management System.

Airport Operational Hours			
	Start	Stop	Hours
Monday	06H00	19H00	13
Tuesday	06H00	19H00	13
Wednesday	06H00	19H00	13
Thursday	06H00	19H00	13
Friday	06H00	20H00	14
Saturday	08H00	15H00	8
Sunday	08H00	19H30	11,5
Total			85,5
Total operational hours per week			85,5
Total operational hours per month			342

Defect free liability period

Defect free liability period – corrective or breakdown maintenance	The defect free period will be no less than 90 days.
Defect free liability period – project work	The defect free period will be no less than 12 months.

Asset Group - Monthly Availability				
Asset no.	Asset Description	Downtime (Hrs)	Baseline (Hrs)	Availability (%)
1	Sliding Doors	1	342	99,7%
2	Roller Doors	3	342	99,1%
3	Tolleys	5	342	98,5%
4	Mechanical Gates	8	342	97,7%
5	Lifting equipment	2	342	99,4%
6	Boom Gates	13	342	96,2%
7	Shaded Nets / Carports	13	342	96,2%
8	Turnstiles	3	342	99,1%
9	Handrails & Guard Rails	0	342	100,0%
10	Stainless Stell & Balustrades	0	342	100,0%
11	Fire Simulator	0	342	100,0%
Average Availability				99,0%

Key Performance Indicators (X20) & Low service damages (X17)

The amounts listed in the table below will not be subjected to any future contract escalation and exclude VAT. Low performance damages will be applied as per NEC 3 -TSC using the following table. Low service damages are limited to a maximum of **25% of the calculated cost/month**.

KPI & Low Service Damage table

KPI	Low service damage Description	Amount
Reliability engineering specifications is the minimum acceptable targets to achieve	Where a repair cannot be completed the same day due to the unavailability of a spare part.	R 2 500.00 (unless the unavailability of the spare part was agreed to by the <i>Service Manager</i> or his/her duly authorised representative)
	Leaving a breakdown unattended or incomplete for another day or shift	R 2 000.00 (unless the delay in repair was agreed to by the <i>Service Manager</i> or his/her duly authorised representative or unless the required spares are not available to complete the work)
	Not meeting call response and closure time SLA.	
Adherence to industry, regulatory and legislative requirements for: maintenance, quality of work, troubleshooting, performance optimization and asset integrity. Regulatory and legislative compliance activities must be performed by competent individuals as specified in the “act”	Non-adherence to agreed industry requirements, all applicable regulatory- and legislative requirements. For example: a Safety infringement - leaving moving machinery exposed; or a non-competent individual performs regulatory and legislative activities; etcetera.	R 5 000.00 per Non-compliance or infringement.
Availability of all infrastructure under the <i>service</i> of this contract shall be maintained at a minimum of 95% overall per month. The <i>Contractor</i> shall refer to the schedule of equipment in Annexure A and report on the monthly availability of each equipment group. The <i>Contractor's</i> availability reports shall be aligned with the availability reports produced by the CMMS of the <i>Employer</i> .	Availability not meeting requirements • Availability = >99.5% = price + 0% • Availability = >95% to 99.5% = price – 0.5% • Availability = >90% to 95% = price – 1% • Availability = >88% to 90% = price – 1.5% • Availability = <88% = price – 2% • Availability = <85% = price – 5%	The % will use the monthly service cost (per equipment group in C2 Part 1, Subtotal A) – in determining the amounts in question: • Availability = >99.5% = price + 0% • Availability = >95% to 99.5% = price – 0.5% • Availability = >90% to 95% = price – 1% • Availability = >88% to 90% = price – 1.5% • Availability = <88% = price – 2% • Availability = <85% = price – 5%



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		Mitigation for below target availability can be achieved if the contractor submits a detailed root cause analysis report with recommendations and repair cost estimates - to the Service Manager and the repair delays includes additional procurement processes and spare delivery lead times.
Issue of monthly reports outlining: • Inspections performed to specified asset • Preventative maintenance to specified asset • Materials and labour used per asset • Down-time recorded and mean-time-to-repair and asset availability. • Technical root causes analysis for all failures (corrective maintenance) • Inventory on-hand and cost • Materials/components scrapped	Monthly reporting not issued timeously at specified quality = R500	Monthly reporting not issued timeously at specified quality = R500
Monthly report that confirms review and suitability of safety file, risks and treatment, and work-method	Monthly reporting not issued timeously at specified quality = R500	Monthly reporting not issued timeously at specified quality = R500
The Contractor shall at all times maintain the minimum qualification and experience of staff as detailed in this Service Level Agreement	Failure to comply to qualification and experience when inspection performance is performed.	R500 per resource
The Contractor shall ensure Cleanliness and housekeeping during the <i>Service</i>	• Identification / notification of cleanliness and housekeeping non-compliance. • Corrective action not rectified within 3 hours of notification.	• R500 per identification / notification. • R1 000 per corrective action not rectified.
The Contractor must attend scheduled contractual meetings (i.e. Risk Reduction meeting; etcetera). The duly authorised personnel listed in the contract must attend contractual meeting accordingly.	Non-attendance of meetings	R1 000 per occurrence
Defect free liability period – corrective or breakdown maintenance.	Non-compliance to defect free liability period	R1 000 per occurrence

**AIRPORTS COMPANY**

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| <ul style="list-style-type: none">• The defect free period will be no less than 90 days. | | |
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**ANNEX C**

**OCCUPATIONAL HEALTH AND SAFETY AGREEMENT
IN TERMS OF SECTION 37(2) OF THE OCCUPATIONAL HEALTH & SAFETY ACT (ACT 85 OF 1993) &
CONSTRUCTION REGULATION 5.1(k)**

OBJECTIVES

To assist Airport Company South Africa (ACSA) to comply with the requirements of:

1. The Occupational Health & Safety (Act 85 of 1993) and its regulations and
2. The Compensation for Occupational Injuries & Diseases Act (Act 130 of 1993) also known as the (COID Act).

To this end an Agreement must be concluded before any contractor/ subcontracted work may commence

The parties to this Agreement are:

Name of Organization: AIRPORTS COMPANY SOUTH AFRICA SOC Limited

Physical Address: George Airport Old Mossel Bay Road George 6530

Hereinafter referred to as “Client”

Name of organisation:

Physical Address:

Hereinafter referred to as “the Mandatary/ Principal Contractor”



MANDATORY'S MAIN SCOPE OF WORK

To be completed by contractor

GENERAL INFORMATION FORMING PART OF THIS AGREEMENT

1. The Occupational Health & Safety Act comprises of SECTION 1-50 and all un-repealed REGULATIONS promulgated in terms of the former Machinery and Occupational Safety Act No.6 of 1983 as amended as well as other REGULATIONS which may be promulgated in terms of the Act and other relevant Acts pertaining to the job in hand.
2. "Mandatory" is defined as including as agent, a principal contractor or a contractor for work, but WITHOUT DEROGATING FROM HIS/HER STATUS IN HIS/HER RIGHT AS AN EMPLOYER or user of the plant
3. Section 37 of the Occupational Health & Safety Act potentially punishes Employers (PRINCIPAL CONTRACTOR) for unlawful acts or omissions of Mandataries (CONTRACTORS) save where a Written Agreement between the parties has been concluded containing arrangements and procedures to ensure compliance with the said Act BY THE MANDATARY.
4. All documents attached or refer to in the above Agreement form an integral part of the Agreement.
5. To perform in terms of this agreement Mandataries must be familiar and conversant with the relevant provisions of the Occupational Health & Safety Act 85 of 1993 (OHS Act) and applicable Regulations.
6. Mandatories who utilize the services of their own Mandatories (contractors) must conclude a similar Written Agreement with them.
7. Be advised that this Agreement places the onus on the Mandatory to contact the CLIENT in the event of inability to perform as per this Agreement.
8. This Agreement shall be binding for all work the Mandatory undertakes for the client.
9. All documentation as per the Safety checklist including a copy of the written Construction Manager appointment in terms of construction regulation 8, must be submitted 7 days before work commences.

THE UNDERTAKING

The Mandatory undertakes to comply with:

INSURANCE

1. The Mandatory warrants that all their employees and/or their contractor's employees if any are covered in terms of the COID Act, which shall remain in force whilst any such employees are present on the Client's premises. A letter is required prior commencing any work on site confirming that the Principal contractor or contractor is in good standing with the Compensation Fund or Licensed Insurer.
2. The Mandatory warrants that they are in possession of the following insurance cover, which cover shall remain in force whilst they and /or their employees are present on the Client's premises, or which shall remain in force for that duration of their contractual relationship with the Client, whichever period is the longest.
 - Public Liability Insurance Cover as required by the Subcontract Agreement.
 - Any other Insurance cover that will adequately makes provision for any possible losses

and/or claims arising from their and /or their Subcontractors and/or their respective employee's acts and/or omissions on the Client's premises.

COMPLIANCE WITH THE OCCUPATIONAL HEALTH & SAFETY ACT 85 OF 1993

The Mandatary undertakes to ensure that they and/or their subcontractors if any and/or their respective employees will always comply with the following conditions:

1. All work performed by the Mandatary on the Client's premises must be performed under the close supervision of the Mandatary's employees who are to be trained to understand the hazards associated with any work that the Mandatary performs on the Client's premises.
2. The Mandatary shall be assigned the responsibility in terms of Section 16(1) of the OHS Act 85 of 1993, if the Mandatary assigns any duty in terms of Section 16(2), a copy of such written assignment shall immediately be forwarded to the Client.
3. The Mandatary shall ensure that he/she familiarise himself/herself with the requirements of the OHS Act 85 of 1993 and that s/he and his/her employees and any of his subcontractors comply with the requirements.
4. The Mandatary shall ensure that a baseline risk assessment is performed by a competent person before commencement of any work in the Client's premises. A baseline risk assessment document will include identification of hazards and risk, analysis and evaluation of the risks and hazards identified, a documented plan and safe work procedures to mitigate, reduce or control the risks identified, and a monitoring and review plan of the risks and hazards.
5. The Mandatary shall appoint competent persons who shall be trained on any Occupational Health & Safety aspect pertaining to them or to the work that is to be performed.
6. The Mandatary shall ensure that discipline regarding Occupational Health & Safety shall be strictly enforced.
7. Any personal protective equipment required shall be issued by the Mandatary to his/her employees and shall be worn at all times.
8. Written safe working practices/procedures and precautionary measures shall be made available and enforced and all employees shall be made conversant with the contents of these practises.
9. No unsafe equipment/machinery and/or articles shall be used by the Mandatary or contractor on the Client's premises.
10. All incidents/accidents referred to in OHS Act shall be reported by the Mandatary to the Provincial Director: Department of Labour as well as to the Client.
11. No user shall be made by the Mandatary and/or their employees and or their subcontractors of any of the Client's machinery/article/substance/plant/personal protective equipment without prior written approval.
12. The Mandatary shall ensure that work for which the issuing of permit is required shall not be performed prior to the obtaining of a duly completed approved permit.
13. The Mandatary shall ensure that no alcohol or any other intoxicating substance shall be allowed on the Client's premises. Anyone suspected to be under the influence of alcohol or any other intoxicating substance shall not be allowed on the premises. Anyone found on the premises suspected to be under the influence of alcohol or any other intoxicating substance shall be escorted off the said premises immediately.

14. Full participation by the Mandatary shall be given to the employees of the Client if and when they inquire into Occupational Health & Safety.

FURTHER UNDERTAKING

1. Only a duly authorised representative appointed in terms of Section 16.2 of the OHS Act is eligible to sign this agreement on behalf of the Mandatary. The signing power of this representative must be designated in writing by the Chief Executive Officer of the Mandatary. A copy of this letter must be made available to the Client.
2. The Mandatary confirms that he has been informed that he must report to the Client's management, in writing anything he/she deems to be unhealthy and /or unsafe. He has versed his employees in this regard.
3. The Mandatary warrants that he/she shall not endanger the health & safety of the Client's employees and other persons in any way whilst performing work on the Client's premises.
4. The Mandatary understands that no work may commence on the Client's premises until this procedure is duly completed, signed and received by the Client.
5. Non-compliance with any of the above clauses may lead to an immediate cancellation of the contract.

ACCEPTANCE BY MANDATARY

In terms of section 37(2) of the Occupational Health & Safety Act 85 of 1993 and section 5.1(k) of the Construction Regulations 2014,

I, (**Identity Number:**), a duly authorised 16.2 Appointee acting for and on behalf of undertake to ensure that the requirements and the provision of the OHS Act 85 of 1993 and its regulations are complied with.

Mandatary – WCA/ Federated Employers Mutual No.....

Expiry date

SIGNATURE ON BEHALF OF MANDATARY
(Warrant his authority to sign)

DATE

SIGNATURE ON BEHALF OF THE CLIENT
AIRPORT COMPANY SOUTH AFRICA

DATE



AIRPORTS COMPANY
SOUTH AFRICA

ANNEX D

**ACSA SERVICE & MAINTENANCE CONTRACTORS
ENVIRONMENTAL TERMS AND CONDITIONS TO COMMENCE WORK - EMS 048**

The following Environmental Terms and Conditions shall be strictly adhered to by all contractors when conducting works for ACSA. ACSA shall audit contractor activities, products and services on an ad hoc basis to ensure compliance to these environmental conditions. Any pollution clean-up costs shall be borne by the contractor.

ISSUE	REQUIREMENT
Environmental Policy	ACSA's Environmental Policy shall be communicated, comprehended and implemented by all ACSA appointed contractor staff.
Storm water, Soil and Groundwater Pollution	- No solid or liquid material may be permitted to contaminate or potentially contaminate storm water, soil or groundwater resources. - Any pollution that risks contamination of these resources must be cleaned-up immediately. Spills must be reported to ACSA immediately. Contractors shall supply their own suitable clean-up materials where required. - Washing, maintenance and refuelling of equipment shall only be allowed in designated service areas on ACSA property. It is the contractor's responsibility to determine the location of these areas. - No leaking equipment or vehicles shall be permitted on the airport.
Air Pollution	- Dust: Dust resulting from work activities that could cause a nuisance to employees or the public shall be kept to a minimum. - Odours and emissions: All practical measures shall be taken to reduce unpleasant odours and emissions generated from work related activities. - Fires: No open fires shall be permitted on site.
Noise Pollution	- All reasonable measures shall be taken to minimize noise generated on site due to work operations. - The Contractor shall comply with the applicable regulations regarding noise.
Waste Management	- Waste shall be separated as general or hazardous waste. - General and hazardous waste shall be disposed of appropriately at a permitted landfill site should recycling or re-use of waste not be feasible. - Under no circumstances shall solid or liquid waste be dumped, buried or burnt. - Contractors shall maintain a tidy, litter free environment always in their work area. - Contractors must keep on file:

	1. The name of the contracting waste company 2. Waste disposal site used 3. Monthly reports on quantities – separated into general, hazardous and recycled 4. Maintained file of all Waste Manifest Documents and Certificates of Safe Disposal 5. Copy of waste permit for disposal site This information must be available during audits and inspections.
Handling & Storage of Hazardous Chemical Substances (HCS)	• All HCS shall be clearly labelled, stored and handled in accordance to Materials Safety Data Sheets. • Materials Safety Data Sheets shall be stored with all HCS. • All spillages of HCS must be cleaned-up immediately and disposed of as hazardous waste. (HCS spillages must be reported to ACSA immediately). • All contractors shall be adequately informed with regards to the handling and storage of hazardous substances. • Contractors shall comply with all relevant national, regional and local legislation regarding the transport, storage, use and disposal of hazardous substances.
Water and Energy Consumption	ACSA promotes the conservation of water and energy resources. The contractor shall identify and manage those work activities that may result in water and energy wastage.
Training & Awareness	The conditions outlined in this permit shall be communicated to all contractors and their employees prior to commencing works at the airport.

Penalties

Penalties shall be imposed by ACSA on Contractors who are found to be infringing these requirements and/or legislation. The Contractor shall be advised in writing of the nature of the infringement and the amount of the penalty. The Contractor shall take the necessary steps (e.g. training/remediation) to prevent a recurrence of the infringement and shall advise ACSA accordingly.

The Contractor is also advised that the imposition of penalties does not replace any legal proceedings, the Council, authorities, land owners and/or members of the public may institute against the Contractor.

Penalties shall be between R200 and R20 000, depending upon the severity of the infringement. The decision on how much to impose will be made by ACSA's Airport Environmental Management Representative in consultation with the Airport Manager or his/her designate and will be final. In addition to the penalty, the Contractor shall be required to make good any damage caused due to the infringement at his/her own expense.



I, of agree to the above conditions and acknowledge ACSA's right to impose penalties should I or any of my employees or sub-contractors fail to comply with these conditions.

Signed: _____ on this date: _____ (dd/mm/yyyy)

at:

ANNEX E**TOOLS AND SPECIAL EQUIPMENT**

The Contractor shall have **all** Tools and Special Equipment, necessary for the execution of the works, either on site or readily available at his/her premises. The principle that applies to Tools and Special Equipment is that downtime must be kept to an absolute minimum. Any **exclusion** to the above should be listed with the lead-time required to deliver same to site.

Number	Item description	Lead time
1		
2		
3		
4		
5		
6		
7		

**ANNEX F****RESOURCE PROPOSAL**

The Contractor shall include a detailed resource proposal (including an organogram for on-site personnel) at the bidding stage. This shall, as a minimum, include the quantity of staff (regarding level of skill and formal training of each) and how/where they will be deployed and utilised under this contract. This must also include a proposed shift roster and deployment schedule.

ANNEX H

SUGGESTED MAINTENANCE PROGRAMME

The Contractor shall include a suggested maintenance programme that must attempt to cover all requirements under this contract.

Contractor is to ensure that the proposed maintenance programme agrees with the OEM maintenance recommendations.

As a minimum and where applicable, the Contractor must perform the following:
All Preventive Maintenance shall be scheduled, at least, to the requirements of the following table.
The contractor shall ensure that all maintenance is done in accordance to the OEM requirements.

Maintenance Schedule for General Mechanical Equipment

Automatic Sliding Doors	
Item	Monthly Maintenance Task
1	Check door operator and cover
2	Check door and glass stability
3	Check program selectors
4	Check condition of door seals and weather stripping
5	Check the condition of glazing rubbers
6	Perform the finger protection test
7	Check for proper operation doors should close smoothly and slowly
8	Check floor guides
9	Check belt condition and tension
10	Check door height and adjust
11	Check radars and area covered
12	Check safety beams
13	Check functions
Item	Six-Monthly Maintenance Task
1	Check motor condition and tension
2	Check end pulley tension and condition
3	Check roller condition and adjust
4	Check belt brackets and adjust
5	Check track condition and adjust
6	Check voltages input
7	Check voltages output

Roller Shutter Doors	
Item	Monthly Maintenance Tasks
1	Check all drive motors and ensure that all bolts securing the motor are tight and that the safety chain is in place, if applicable.



Roller Shutter Doors	
Item	Monthly Maintenance Tasks
2	Check for any oil leaks on motor gearbox if applicable.
3	Check that the sprocket is in a correct position and that the key is secured.
4	Check the condition of the plates
5	Check all cover plates and guides bolts are in place
6	Check if all limits are set correctly
7	Check condition of slats
8	Check condition of guides
9	Check operation of the manual overriding chain if applicable
10	Check operation of the door and record if there is noise coming from the door
Item	Six-Monthly Maintenance Tasks
1	Check all drive motors and ensure that all bolts securing the motor are tight and that the safety chain is in place for motorised doors only.
2	Check for any oil leaks on motor gearbox and if oil leaks are present investigate the cause and repair the leak.
3	Check oil level and refill if necessary for motorised doors only
4	Check that the sprocket is in a correct position and that the key is secured, if not reposition the sprocket to the correct position and secure the key.
5	Check that cover plates are in place and replace where required
6	Ensure that all guide bolts are in place and tighten or replace if necessary
7	Remove old lubricant and apply new lubricant on moving parts
8	Clean all exposed parts
9	Ensure that the top slats are secured and in good condition, if not replace the damaged ones.
10	Check all limits and repair if necessary
11	Check the condition of all slats and replace damaged ones
12	Check the condition of the guides and replace damaged ones, remove old lubricant and apply new lubricant
13	Ensure that all electrical wiring is in good condition and safe to operate, if not repair the damages
14	Ensure that all push buttons are operational and clean them if necessary
15	Check operation of the door and record if there is noise coming from the door

Trolleys	
Item	Six-Monthly Maintenance Task
1	Check for Deformation
2	Check for Breakage
3	Check for Damage
Check the Castors	
4	On Smooth Running
5	On Direction Stability
6	On Secure Fastening



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7	On Wear
8	On Damage
9	On Dirt by Threads etc.
	Check of the Bumper
10	Check of the Bumper for Damage
11	Check of the Bumper On Tight Fitting
	Check of the Deflector ring
12	On Damage
13	On Tight Fitting
	Check the Handles Tubes, Handles
14	On Damage
15	On Tight Fitting
	Check the Brakes
16	On Function
17	On Damage
18	On Wear

Gates	
Item	Three-Monthly Maintenance
1	Obtain permission from security compliance and notify operations and technical help desk on the duration of the maintenance
2	Request operation to open the gate remotely
3	Isolate main electrical panel
4	Clean electrical panel
5	Check that all electrical connections are in a good and safe condition, if not replace damage cables or equipment
6	Ensure that labelling is still in place and replace if necessary
7	Ensure that the wiring diagrams are enclosed in the panel
8	Open the gate manually from the pane and record the amperage of the motor from the panel
9	Check condition of the control panel and check for any leaks and repair if damaged
10	Check electric motor for excessive noise and if there is noise find the cause and repairs
11	Check condition and position of the buzz bar connector clips and conducting rail.
12	Check if the safety beams are operational, if not immediately repair.
13	Check if all electric motor bolts are still in place and tightened and Check the condition of the concrete base.
14	Check if all electric motor bolts are still in place and tightened and Check the condition of the concrete base.
15	Check condition of the rail and remove the mud from the rail cavity
16	Check condition of the concrete around the rail and repair if necessary
17	Check if all the bolts securing the eclectic motor are in place and tightened.
18	Check the condition of the electric motor concrete base and monitor its stability when the gate stops.
19	Check the oil level on the gear box and refill if necessary

20	Check the tension in the chain and tension accordingly
21	Check condition of the master link and repair if necessary
22	Clean and lubricate the chain if necessary
23	Check condition of the braking system and repair if worn out
24	Check condition of the sprockets
25	Check the structure of the gate for loose bolts and tighten accordingly
26	Check condition of wheels and axles, and lubricate all bearings
27	Check the tension on the springs in the supporting wheels and tension if necessary
28	Check if all pop reverts are still in place and paint the gate if necessary
29	Check condition of the mesh fence and razor wire
30	Check operation of which
31	Unwind which cable using the remote control and check its condition
32	Lubricate the bearings on the winch drum
33	Open and close the gate from the panel, if applicable
34	Push open and close the gate, if applicable
35	Open the gate using the winch system, if applicable
36	Leave the gate in an open position
37	Request operations to close the gate remotely
38	Notify security compliance, the technical and operations help desk when finished.

Lifting Equipment

All inspections to be carried out by a Certified Lifting Machinery Inspector (LMI) and the Company must be registered as a Lifting Machinery Entity (LME) as prescribed by the DMR Regulations. Proof of registration must be provided to the Employer when requested.

A comprehensive Statutory Inspection Report must be submitted to the Employer's representative following each Service. • The report shall include but not limited to the following: - For ease of identification, such report will contain all relevant information such as Equipment name, functional location number, manufacturer, serial number, safe working load and location description. - A check sheet of all Equipment components to be inspected. - A list of defective components and the corrective actions required. – Equipment general condition, maintenance done and Inspection certificates of all load tests performed. • The printed, stamped service report must be signed by a qualified Lifting machine inspector (LMI certificate (registration number) must be provided) and must be submitted within one week after completion of each Service

Key Considerations:

- Manufacturer Guidelines: Always prioritize the specific manual for the equipment.
- Regulations: Adhere to national/local standards (OHS Act and relevant SANS/ASME standards).

Scissor Lift 6 Monthly Inspection

- Controls & Electrics: Test emergency stop, ground/platform controls, switches, interlocks, warning lights, alarms, and all wiring/cables.

- Platform Assembly: Check guardrails, toe boards, extension slides, locking pins, and anti-slip surfaces.
- Hydraulic/Pneumatic Systems: Look for leaks, check fluid levels, cylinder integrity, hoses, and proper operation of the emergency descent.
- Chassis & Structure: Inspect for cracks, damage, secure fasteners, pot-hole protection, and overall structural integrity.
- Tires & Wheels: Check for wear, proper inflation, and secure attachment.
- Power System: Verify battery charge, fluid levels (oil, fuel, coolant), and charger condition.
- Documentation & Markings: Ensure manuals, safety decals, and SWL (Safe Working Load) signs are present, clean, and legible.
- Grease and top up oil
- Clean the equipment.

Scissor Lift Annual Load Testing

Preparation & Planning

- Review Manual: Understand the lift's specific requirements, capacity, and manufacturer guidelines.
- Risk Assessment: Identify hazards and establish exclusion zones and emergency plans.
- Personnel: Ensure trained, certified technicians perform the test.
- Equipment: Use calibrated test weights (e.g., water bags, solid weights) and certified lifting gear.
- Documentation: Prepare forms for baseline readings, test logs, and final reports.

Pre-Test Inspection

- Structural Integrity: Check welds, beams, pins, and joints for cracks or wear.
- Hydraulics: Inspect cylinders, hoses, and connections for leaks; check fluid levels.
- Controls: Test all functions (up, down, extend, emergency stop).
- Safety Features: Verify guardrails, pothole protection, limit switches, and emergency descent.
- Chassis/Tires: Check tire condition, inflation, and steering/drive components

The Load Test Procedure

- Positioning: Set up the lift to allow for maximum possible platform deflection.
- Baseline Readings: Take initial measurements from fixed points (e.g., chassis, ground).
- Apply Load: Slowly lift the test weight (typically 100% or 110% of SWL) just off the ground to test brakes.
- Test Motions: Raise and lower the load at various heights, ensuring smooth operation and checking brakes and limit switches.
- Measure Deflection: Take readings with the load at full height and fully lowered to measure platform deflection.
- Post-Test Checks: Re-inspect for any signs of stress or damage after the test.

Documentation & Reporting

- Record all findings, including baseline, test load, measurements, and any issues found.
- Sign off the test and update the equipment's service log, noting the date and results for future reference.

Trailer Mount Cherry Picker 6 Monthly Inspection

- **Mechanical Mechanisms:** The inspector will ensure smooth platform movement and secure connections. This includes checking the platform mounting, frame alignment, and all pins and bushes on the booms.
- **Hydraulic Systems:** This involves a detailed check for any leaks, ensuring adequate fluid levels, and verifying correct pressure. Hoses, seals, and the condition of the hydraulic valve bank, pump, and cylinders are all examined.
- **Electrical Systems:** The inspection confirms system continuity, safe insulation, and the functionality of the control panel, wiring, and connections.
- **Safety Mechanisms:** All safety devices are tested, including emergency stops, safety interlocks, and warning lamps.
- **Structure & Tyres:** The overall structure, including the trailer frame, outriggers, and boom mounts, is checked for any signs of cracking, rust, or fatigue. Tyres are inspected for proper inflation, wear, and damage.
- Grease and top up oil
- Clean the equipment.
- **Documentation and Certification:** The inspector will verify that all relevant documentation, such as previous inspection records, load test certificates, and operator manuals, are available and up to date.

Trailer Mount Cherry Picker Annual Load testing

- **Preparation:** The cherry picker is set up on firm, level ground with outriggers properly deployed and stabilized. A thorough pre-test inspection is conducted.
- **Apply Test Load:** A test load, typically between 100% and 125% of the manufacturer's rated capacity, is used.
- **Functionality Checks:** The test load is lifted to a certain height and radius. The operator performs a full range of movements, including swinging the boom, extending/retracting, and raising/lowering the platform, while the machine's performance and stability are monitored.
- **Static Hold Test:** The test load is lifted and held for a specific period (e.g., 15 minutes) to test the integrity of the brakes and the structural strength of the boom and frame.
- **Inspection:** After the load test, a visual inspection is performed to check for any signs of cracks, deformation, or other damage.
- Grease and top up oil
- Clean the equipment.

Electric Hoist 6 Monthly Inspection

- **Load Hook and Latch:** Visually inspect for excessive wear, cracks, deformation, or a spread in the throat opening. The safety latch must function correctly.
- **Load Chain/Rope:** Check the entire length for nicks, gouges, cracks, excessive wear, corrosion (rust), and proper lubrication. Ensure there are no twists or kinks, which can cause rapid wear and jamming.

- **Structure and Fixings:** Examine load-bearing areas (beams, supports, fixing points) for signs of stress, wear, cracks, or deformation.
- **Electrical Components:**
 - Look for burn marks, discoloration, or corrosion indicating overheating or moisture exposure.
 - Ensure all panel covers are securely in place and that wiring is not loose or exposed.
- **Operational Checks:**
 - Confirm the hoist runs smoothly in all directions (up, down, traverse).
 - Verify that limiting devices (limit switches) stop the driving effort automatically at the highest and lowest safe positions.
 - Ensure the braking system functions correctly.
 - Check the push-button station cable for visible signs of wear or damage.
- **Markings:** The hoist must be conspicuously and clearly marked with its maximum Safe Working Load (SWL) and manufacturer's serial number.

Electric Hoist Annual Load Testing

Pre-Test Inspection (Visual & Functional)

- **Competent Person:** A qualified individual must perform the test.
- **Visual Check:** Inspect the chain/wire rope for wear, corrosion, elongation; check hooks, safety latches, and structural parts for damage/cracks.
- **Functionality:** Test all controls (up, down, E-stop) without load; ensure correct direction and smooth movement.
- **Lubrication:** Verify all points are properly greased.
- **Electrical:** Check power supply, connections, and switches.

Prepare for Load Test

- **Test Load:** Use calibrated weights at 100% to 125% of the rated capacity.
- **Lifting Tackle:** Ensure all lifting gear is certified and in good condition.
- **Positioning:** Set up for maximum deflection measurements.

Dynamic Load Test (Core Test)

Lift & Hold (Brake Test): Lift the test load just clear of the ground; hold for a set time (e.g., 1 min) to ensure the brake holds and the load doesn't slip.

- **Operate All Motions:** Lift, lower, traverse (if applicable) with the test load at max speed, ensuring smooth operation and stopping within 1 second.
- **Check Clutch:** The slipping clutch must engage correctly without slipping under 100% load and disengage at its set overload point (e.g., 1.6x nominal load).

Post-Test & Documentation

- **Record:** Document all findings, measurements (deflections), dates, and personnel involved.
- **Certification:** Tag the hoist with the test date and next due date.
- **Analysis:** A competent person must deem the test passed before the hoist is returned to service

Crawl Beam Annual Load Testing

Preparation & Pre-Inspection

- **Review Documents:** Check building plans, design specs, and previous inspection reports.
- **Visual Check:** Inspect the beam for damage, corrosion, loose bolts, cracked welds, or distortion.

- NDT : Use ultrasound or infrared scans on suspect areas.
- Verify Equipment: Ensure lifting gear (crane, slings, shackles) is certified and calibrated.

Test Load Application (Static Test)

- Determine Load: Apply a proof load, typically 100-125% of the beam's Safe Working Load (SWL).
- Lift Off Ground: Hoist the load just clear of the ground, hold briefly to check brakes and stability.
- Hold Test: Lift to height, hold for 5-15 minutes (or as specified) to observe for movement, noise, or deflection.
- Measure Deflection: Use a dial gauge for precise measurement of deformation.

Post-Test & Reporting

- Remove Load: Carefully lower the test weights.
- Re-Inspect: Check the beam again for any signs of fatigue, micro-fractures, or permanent deformation.
- Record Data: Document the test, including date, load applied, measured deflections, inspector details, and pass/fail status.
- Certify: Issue a test certificate if the beam passes all checks.

Chain Block 6 Monthly Inspection

Documentation Verification:

- Confirm the presence and legibility of the manufacturer's identification and Safe Working Load (SWL) markings.
- Verify the current inspection certification and maintenance records.

Cleaning and Preparation:

- Thoroughly clean the entire chain block, especially the load chain, using a non-acid or non-caustic solvent to remove all dirt, debris, and old lubricant that might hide damage.
- Apply appropriate lubrication as recommended by the manufacturer, wiping off any excess to prevent debris accumulation.

Physical Condition Assessment (Link-by-Link):

- Load Chain: Inspect every link for signs of wear (measure thickness and elongation; exceeding 10% wear limit requires replacement), corrosion, cracks, nicks, gouges, weld splatter, or distortion. Ensure the chain is free from twists or kinks.
- Hooks: Inspect both the suspension and load hooks for any deformation (bends, twists), cracks, or excessive throat opening (if the opening exceeds 5% of its original size, the hook must be replaced).
- Safety Latches: Ensure all safety latches are present, not damaged, and function properly, closing securely into the hook saddle.
- Housing and Frame: Examine the main body, covers, and attachment points for cracks, corrosion, dents, or signs of impact damage. Verify all bolts, pins, and fasteners are tight and secure.

Internal and Mechanism Inspection:

- Brake Mechanism: Check the braking system for wear on pads or discs and test its responsiveness to ensure it holds a load securely without slipping or unusual noises (grinding, squealing).
- Hoist and Gear Mechanism: Inspect the gears, bearings, and lift wheel (sprocket) for excessive wear or foreign material. Disassembly may be required to access internal components.

- Hand Chain: Inspect the hand chain for damage, kinks, or excessive wear, ensuring it operates smoothly through the chain wheel.

Operational Testing:

- Operate the chain block through its full range of motion without a load, listening for unusual sounds or binding.
- Perform a light load test (e.g., a few Centimetres off the ground) to confirm smooth operation and brake functionality before applying the full working load limit (WLL)

Chain Block Annual Load Testing

Pre-Test Preparation & Inspection:

- Competent Person: A qualified individual must perform or supervise the test.
- Documentation Review: Check maintenance logs and history.
- Visual Inspection: Examine the load chain for wear, corrosion, twists; hooks for distortion, cracks, latch function; hoist body for damage; nameplate for legibility; hand chain for twists; and ensure all components are secure.
- Lubrication: Ensure all parts are properly lubricated.

Functional Testing (No Load):

- Operate the hoist through its full range, listening for unusual noises or jerks.
- Test the brake by lifting a small weight (e.g., 20kg) and releasing the hand chain to confirm it holds securely.

Static Load Test (The Core Test):

- Determine Test Load: Use a calibrated weight, typically 100% (or sometimes 125-200%) of the chain block's rated capacity, as per manufacturer guidelines.
- Lift & Hold: Lift the test load a short distance (e.g., 250-500mm) and hold it stationary for a specified period (e.g., 10 mins).
- Monitor: Observe for any movement, slippage, or failure in the brake or hoist mechanism.

Post-Test:

- Lower Safely: Gently lower the load.
- Detailed Inspection: Re-inspect all components for stress or damage after the test.
- Record Results: Document the test date, load used, observations, and any necessary repairs or adjustments in the equipment's logbook.

Safety Harness 6 Monthly Inspections

Pre-Inspection: Check the manufacturer's label for serial number, manufacturing date, and service life; confirm inspection dates are within limits.

- Webbing & Stitching:
- Bend webbing to check for hidden cuts, fraying, broken fibers, or deterioration.

Look for signs of heat (shiny spots, melted fibers), UV damage (fading, brittleness), or chemical exposure.

- Inspect all stitching for pulled, cut, or missing threads, ensuring it's secure.
- Hardware (D-rings, Buckles, Grommets):
- Check for distortion, cracks, rust, corrosion, nicks, burrs, or sharp edges.
- Ensure buckles and adjusters function smoothly and lock securely.
- Verify D-rings are not twisted or deformed.
- Load Indicators & Labels: Check if the load indicator is showing (indicating a fall), and ensure all labels are present and legible.
- Functionality: Ensure all straps can be adjusted and hang correctly when held by the dorsal D-ring.

- Documentation: Record the inspection (date, inspector, findings, pass/fail) in a logbook; tag failed harnesses "DO NOT USE"

Safety Harness Annual Load Test

Pre-Inspection: Check the manufacturer's label for serial number, manufacturing date, and service life; confirm inspection dates are within limits.

- Webbing & Stitching:
- Bend webbing to check for hidden cuts, fraying, broken fibers, or deterioration.

Look for signs of heat (shiny spots, melted fibers), UV damage (fading, brittleness), or chemical exposure.

- Inspect all stitching for pulled, cut, or missing threads, ensuring it's secure.
- Hardware (D-rings, Buckles, Grommets):
- Check for distortion, cracks, rust, corrosion, nicks, burrs, or sharp edges.
- Ensure buckles and adjusters function smoothly and lock securely.
- Verify D-rings are not twisted or deformed.
- Load Indicators & Labels: Check if the load indicator is showing (indicating a fall), and ensure all labels are present and legible.
- Functionality: Ensure all straps can be adjusted and hang correctly when held by the dorsal D-ring.
- Documentation: Record the inspection (date, inspector, findings, pass/fail) in a logbook; tag failed harnesses "DO NOT USE"

Temporary horizontal lifeline kit 6 Monthly Inspection

- Competence: Inspections must be performed by someone trained to recognize hazards and authorized to remove equipment from service.
- Documentation: All formal periodic inspections must be documented with findings and corrective actions.

Lifeline (Rope or Webbing):

- Synthetic/Webbing: Check for cuts, tears, nicks, abrasion, fraying, thinning, or heat damage.
- Chemical/UV Damage: Look for discoloration, hardening, or softening of the material.
- Wire Rope: Inspect for broken wires, kinks, crushing, bending, or excessive corrosion.
- Stitching: Examine stitch patterns for broken, abraded, or loosened threads.

Hardware and Connectors:

- Fasteners: Inspect all screws, bolts, and nuts for looseness, missing parts, or alterations.
- Metal Components: Check anchors, carabiners, snap hooks, and shackles for rust, corrosion, cracks, or deformation.
- Functionality: Ensure hooks are self-closing and self-locking; check that ratchets or tensioners operate smoothly.

Safety Indicators:

- **Impact Indicators:** Check built-in fall indicators (often a tear-web or color-coded hook). If triggered, remove the system from service immediately.
- **Tension Indicators:** Verify the system is properly tensioned according to the manufacturer's visual indicator.

6 Monthly Shade nets cleaning

- Safety Inspection: Before cleaning, check for damage, such as tears, frays, or broken, rusted, or loose fasteners/hardware.
- Debris Removal: Use a soft broom, brush, or leaf blower to remove loose leaves, twigs, and dust
- Use mild soap or detergent mixed with warm water. Never use harsh chemicals or bleach
- Gently scrub the net with a soft-bristled brush or rag to remove stubborn dirt, bird droppings, and mold.
- Rinse thoroughly with a garden hose (moderate pressure) to remove all soap residue
- Repairs: Immediately patch holes or tears using designated repair kits.
- Tension Check: Check net tension and tighten if required

Boom Access (BAC)	
Activities Description	Frequency
1) Visual inspection of the housing, inside and outside, for damage and corrosion. Clean the housing and repair paint as necessary/required. Remove corrosion damage.	Monthly
2) Visual inspection of foundation anchors, attachment profiles and mounting material for corrosion. Remove corrosion damage.	
3) Visual Inspection of the barrier arm for damage and corrosion. Clean the barrier arm and repair paint damage as necessary. Remove corrosion damage	
4) Visual inspection of additional parts, such as the pendulum support, for damage and corrosion. Clean additional parts and repair paint damage. Remove corrosion damage.	
5) Paint as required	
6) Inspect lenses and mirrors of the light barriers	
Perform all monthly maintenance work	
Check the barrier housing fastening screws for tight fit. If require, tightened the screws.	Bi-annually / 6Monthly
Check function of the residual current operate device	
Check the barrier arm and flange fastening screws for tight fit. Tighten the screws.	
Check the screws of the system parts, such as pendulum support, for tight fit. If required, tighten the screws.	Yearly
1) Perform all monthly and semi-annual maintenance work.	
2) Check Barriers mechanics	
3) Check the spring setting of the lever system.	
4) Check barrier arm position.	
5) Visual inspection of the induction loops and the carriageway in the loops for damage	
6) Check the induction loop's function	
7) Check the induction loops. Measure the contact resistance, insulation resistance and inductivity of the induction loops	
8) Where they exist, check the function of additional safety equipment, such as light barriers	
9) Check the barrier's function.	
10) Check the barrier's locking in the position "Closed"	



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11) Check the advanced warning on barriers with the active function "Traffic lights lead"
12) Check electric cables for damages
13) Check if all electrical connections are firm.
14) Check signs and labels for completeness and legibility

Shaded Nets / Carports	
Activities Description	Frequency
1. The tasks listed are high level / Minimum tasks. The contractor is expected to complete all tasks as OEM requirements, scope of works on the contract and as listed on the approved inspection sheet	Monthly
2. Physical inspect thorn nets and recommend repairs required	
3. Check for bent Poles and recommend repairs required	

Turnstiles	
Activities Description	Frequency
1. Checking whether all Functions of the device work properly	Monthly
2. Inspect and refilling lubrication of mechanical parts, bearings, lubricated friction elements,	
3. Chemical Clean - Contaminations	

Handrails & Guardrails	
Activities Description	Frequency
1. Checking whether all Functions of the rails work properly	Yearly
2. Inspect and Cables and bolts if tight and stabile	
3. Chemical Clean - Contaminations	
4. Check for bent poles and recommend repairs required	

Stainless Steel & Balustrades (Staircase)	
Activities Description	Frequency



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1. Checking whether all Functions of the rails work properly	Yearly
2. Inspect that all the bolts tight and rails is stable	
3. Check for bent poles and recommend repairs required	

Fire Simulator	
Item	Three-Monthly Maintenance Task
1	Check and maintain the operating fuel control unit
2	Check and maintain the oil separator system
3	Inspect and clean the injector heads (burners) to prevent blockage
4	Conduct Structural Integrity Assessment and issue report
Item	Six-Monthly Maintenance Task
5	Perform all 3 monthly Activities
6	Check and maintain the fuel pump for required pressure
7	Grease the hinges of doors
Item	Yearly Maintenance Task
8	Perform all 3 monthly and 6 monthly Activities
9	Inspect and remove rust from the fuselage
10	Inspect and remove rust from the fuel supply pipes/lines
11	Inspect and remove rust from the fuselage platform.
12	Inspect and remove rust from the protection plates covering the fuel supply pipes/lines.
13	Perform NDT (MPI or Dye Pen) on all welding/Joints
14	Perform Wall Thickness Test on pipes

Once off Corrective Maintenance

GA Gate Repairs

1. Replacement of Gate Wheels

Currently, 2 out of 36 coasters have been replaced.

34 remaining coasters need to be upgraded from cast iron wheels to solid wheels to ensure durability and reduce maintenance costs.

2. Motor and Gear Replacement

Remove the existing motors and gears from all gates.

Replace with new, upgraded models that provide better performance and increased reliability.

3. Proximity Sensor Upgrade

Evaluate the current proximity sensors.

Replace all with new, advanced models to enhance safety measures and ensure precise gate operations

Corrective Maintenance of Electric Hoist

Sand blast Hoist to remove rust and dust

Coat chain with recommended anti rust coating

Repaint the Hoist with recommended paint

Corrective Maintenance of Sliding Doors

The following repairs are required on the Sliding Doors at George Airport

All required spares will be supplied by the Contractor

Departure entrance Sliding Doors (2 off) Cut to size - 3360mm

Colour - Brown: #8A4931

Install

- 2 IXIO-DT1/DO1 SENSORS
- 2 ES200/250 Floor Guide Double Rollers
- Adapter CAN cable on side PU
- Electronic program switch CAN 55x55
- Box for surface mounting 55
- ES250 Easy Proline Bi-Parting 3.5m SCC
- AT50115 100mm Proline Pelmet 3.5m SCC
- Proline End Plates 100mm SCC (2 Pieces)
- ES250 Proline Bi-Parting 3.5m SCC MAX BOM

Arrivals Exit Front Door

Cut to size - 5100mm

Colour - Brown: #8A4931

Install



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- 2 IXIO-DT1/DO1 SENSORS
- 2 ES200/250 Floor Guide Double Rollers
- Adapter CAN cable on side PU
- Electronic program switch CAN 55x55
- Box for surface mounting 55
- ES250 Easy Proline Bi-Parting 3.5m SCC
- AT50115 100mm Proline Pelmet 3.5m SCC
- Proline End Plates 100mm SCC (2 Pieces)
- ES250 Proline Bi-Parting 3.5m SCC MAX BOM

Boarding Gates (6 off)

Install

- 2 IXIO-DT1/DO1 SENSORS
- 2 ES200/250 Floor Guide Double Roller
- 6-Button Transmitter
- ES 6-Channel Receiver
- ES 1-Button Code Hopping Remote
- ES250 Easy Proline Bi-Parting 4.5m SCC
- AT50115 100mm Proline Pelmet 4.5m SCC
- Proline End Plates 100mm SCC (2 Pieces)
- IXIO / VIO RA BLACK RAIN PROTECTION COVER

Arrivals Exit Front Doors (Baggage Hall) 2 off

Cut to size - 5200mm

Colour - Brown: #8A4931

Install

- 2 IXIO-DT1/DO1 SENSORS
- 2 ES200/250 Floor Guide Double Rollers
- Adapter CAN cable on side PU
- Electronic program switch CAN 55x55
- Box for surface mounting 55
- ES250 Easy Proline Bi-Parting 3.5m SCC
- AT50115 100mm Proline Pelmet 3.5m SCC
- Proline End Plates 100mm SCC (2 Pieces)
- ES250 Proline Bi-Parting 3.5m SCC MAX BOM

Car Rental Building 5 Sliding Doors

Colour - Brown: #8A4931

Install

- 2 IXIO-DT1/DO1 SENSORS
- 2 ES200/250 Floor Guide Double Rollers

- Adapter CAN cable on side PU
- Electronic program switch CAN 55x55
- Box for surface mounting 55
- ES250 Easy Proline Bi-Parting 3.5m SCC
- AT50115 100mm Proline Pelmet 3.5m SCC
- Proline End Plates 100mm SCC (2 Pieces)
- ES250 Proline Bi-Parting 3.5m SCC MAX BOM

Corrective Maintenance of Shaded Nets

- Replace 10 Galvanised Poles
- Replace 15 Shaded Nets

Corrective Maintenance of Security Airside Kitchen

- Kitchen door has a Centurion Keypad lock with Magnetic door lock Mechanism. Contractor is required to repair the Keypad lock and reinstate the Magnetic locking Mechanism and check the UPS for functionality. Contractor will also need to fix the door hinges and replace the door handle.

Corrective Maintenance of Cute and Cuss Server Room

- Server room door has a ViRDI biometric Fingerprint sensor with Magnetic door lock Mechanism. Contractor is required to repair Fingerprint sensor and reinstate the Magnetic locking Mechanism and check the UPS for functionality. The User Name and Password for the ViRDI sensor has been lost. The contractor will be required to reset the biometric sensor and reprogram it to enable the Employer to add new users.

Corrective Maintenance of Fire Simulator

- Replace Simulator pump with a 1 kw or bigger pump.
- Replacement should include supply and installation, together with any required modification of pipe work.
- Current Pump specifications:
 - Pedrollo CKm 90-E peripheral impeller pump
 - Power: 0.75 kW (1HP) P 2 rated power
 - Flow rate: 5 to 50 litres per minute
 - Head: Maximum head of 51m
 - Voltage: 220-230 V, 50 Hz
- The supplied pump should be able to be used on AVGAS Jet 1 mixed with Diesel

Supply and delivery of Safety Harnesses 10 off

Harness specification

- HARNESS, SAFETY INDUSTRIAL: TYPE:
- FALL ARREST
- HARNESS MATERIAL: FLAME RESISTANT ANTI-STATIC WEBBING;
- HARNESS WEBBING SIZE: L; LOAD
- RATING: 140 KG;
- SPECIFICATION: SANS 50358; DRAWING NO: D12700;

- MANUFACTURED, TESTED AND MARKED IN ACCORDANCE WITH SANS SPECIFICATIONS
- SUPPLIED IN A PACKAGE CONTAINING FULL BODY HARNESS WITH WORK POSITIONING BELT FIXED OR ADJUSTABLE
- DOUBLE; SANS 5036

Supply and delivery of temporary horizontal lifeline kit (2 off)

The kit must be a complete, portable system containing all necessary hardware for immediate deployment

- **Lifeline Material:** high-strength synthetic webbing (e.g., 30mm-50mm UV-resistant polyester)
- **Tensioning Mechanism:** An integrated ratchet or winch system for manual tightening without the need for additional tools
- **Energy Absorber:** An inline shock absorber to reduce impact forces on anchorages during a fall.
- **Anchorage Slings:** Heavy-duty straps or wire rope slings for securing to structural members (e.g., I-beams or columns).
- **Storage Bag:** A durable, integrated bag or case for easy transport and to protect the lifeline from dirt and damage during storage.

The supplied equipment must meet or exceed the following performance criteria:

- **Compliance:** Must conform to international safety standards, typically EN 795:2012 Type C (flexible anchor lines) and TS 16415:2013 for multi-user systems.
- **User Capacity:** Minimum support for 2 simultaneous users
- **Span Length:** up to 30 meters
- **Strength:** Minimum breaking strength (MBS) of at least **22kN**
- **Indicators:** Integrated tension and impact indicators to provide visual confirmation (e.g., red/green) that the system is properly tensioned and hasn't been subjected to a fall.
- **Training & Documentation:** Supply of comprehensive user manuals and anon-site demonstration

Corrective Maintenance of Roller Doors at the Maintenance Complex (6 Off)

- Location - Landside – Maintenance Complex
- Quantity of sectional Garage doors = 6
- Please find picture below of the sectional garage doors
 - Problem Classification:

All the sectional doors can't close due to broken / loosen panel, hinge, wheel rollers

Investigate and assess the damage.

- Repair or replace damage or bent panels
- Repair or replace bent or broken tracks
- Repair or replace snapped cables
- Repair or replace broken rollers
- Repair or replace loose cable drum or cables
- Repair or replace bent or worn torsion pole
- Repair or replace broken or snapped hinges
- Repair or replace chain
- Repair or replace snapped or loose spring
- Lubricate where required.



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- Ensure that all the sectional doors is operational and train the Maintenance Team how to operate the sectional doors the right way.





C4 Site Information

No site information is supplied with this contract.