



**DEPARTMENT OF PROCUREMENT SERVICES
NON-COMPETITIVE REVIEW BOARD (NCRB) APPLICATION**

Complete this cover form and the **Non-Competitive Procurement Application Worksheet** in detail. Refer to the page entitled "Instructions for Non-Competitive Procurement Application" for completing this application in accordance with its policy regarding NCRB. Complete "other" subject area if additional information is needed. Subject areas must be fully completed and responses merely referencing attachments will not be accepted and will be immediately rejected.

Department Aviation	Originator Name John Antonacci	Telephone 773-894-1867	Date July 5, 2018	Signature of Application Author <i>John Antonacci (SJA)</i>
Contract Liaison David Bowman	Email Contract Liaison david.bowman@cityofchicago.org	Telephone 773-686-7089		

List Name of NCRB Attendees/Department	
John Antonacci/Aviation Felipe Najjar/Aviation David Bowman/Aviation James Harney/Aviation	Kieran Sheridan/Aviation

Request NCRB review be conducted for the product(s) and/or service(s) described herein.

Company: **ADB SAFEGATE AMERICAS, LLC**

Contact Person: William D. Weigel	Phone: 614-861-1304	Email: bill.weigel@adbsafegate.com
---	-------------------------------	--

Project Description: **Inspection, Maintenance, Repair and Upgrades for the Airfield Lighting Control and Monitoring Systems (ALCMS) for Chicago O'Hare and Midway International Airports**

This is a request for:

New Contract **Amendment / Modification**

Contract Type **Type of Modification**

Blanket Agreement Term: 96 (# of mo) **Time Extension** **Vendor Limit Increase** **Scope Change**

Standard Agreement

Contract Number: _____
Specification Number: _____
Modification Number: _____

Department Request Approval	Recommended Approval
<i>Reshma Soni</i>	<i>Rich Butler</i>
DEPARTMENT HEAD OR DESIGNEE	BOARD CHAIRPERSON
<u>7/9/18</u>	<u>9-11-18</u>
DATE	DATE
<i>Reshma Soni</i>	<i>Rich Butler</i>
PRINT NAME	PRINT NAME

(FOR NCRB USE ONLY)

Recommend Approval/Date: _____

Return to Department/Date: _____

Rejected/Date: _____

9/10/18

Approved **Rejected**

John P. L.

CHIEF PROCUREMENT OFFICER

12 September 2018

DATE



DEPARTMENT OF PROCUREMENT SERVICES
NON-COMPETITIVE REVIEW BOARD (NCRB) APPLICATION
JUSTIFICATION FOR NON-COMPETITIVE PROCUREMENT WORKSHEET

All applicable information on this worksheet must be addressed using each question found on the "Instructions for Non-Competitive Procurement Application" in this application.

Justification for Non-Competitive Procurement Worksheet

PROCUREMENT HISTORY

1. Describe the requirement and how it evolved from initial planning to its present status.

The Federal Aviation Administration (FAA) Advisory Circular (AC150/5345-3) provides the standards for Airport Lighting Control and Monitoring Systems (ALCMS) for applicable airports required to utilize operational visual aids. The Chicago O'Hare International Airport (ORD) ALCMS was procured via competitive bid (PO 12213), awarded in July 2006, and was installed as part of the O'Hare Modernization Program (OMP Project #OH6130.220.50.181). The Chicago Midway International Airport (MDW) ALCMS was procured via competitive bid (PO 28241), awarded in May 2013, and was installed as part of the Airfield Lighting Control Vault (ALCV) improvements (MDW Project# M6100.12-00). Both airport ALCMS provide the FAA the ability to manage all critical airfield lighting systems as weather and low visibility conditions warrant, and the FAA mandates such systems be installed for all large airports and/or projects funded in whole or in part through Federal Airport Improvement Programs (AIP). ALCMSs, regardless of who it is manufactured by, are proprietary to the equipment manufacturer. The CDA included multiple ALCMS manufacturers in its bid for the aforementioned capital/OMP projects and in both instances, the low bidders for each of the projects chose to install the ADB Safegate (ADBSG) ALCMSs. Both Contracts included a five (5) year warranty period, of which ORD's ended 8/14/13 and MDW's will end 11/21/18. The extended warranties included in the competitive bid Contracts covered routine maintenance but not consumables or repairs, but more importantly, upgrades and modifications were not included. Changes with respect to the ongoing ORD OMP, as well as FAA revisions to AC requirements, necessitate the ability to upgrade and modify airport ALCMSs to keep pace with changes that are of paramount importance to critical airport operations. The CDA needs to provide continuing system support and upgrades via sole source procurement to ensure critical aircraft operation visual aids can be monitored, controlled, and maintained per FAA standards. Both ORD and MDW will utilize this sole source procurement for preventative maintenance, repairs, and system upgrades as needed and mandated.

2. Is this a first time requirement or a continuation of previous procurement from the same source? If so, explain the procurement history.

This is a continuation of previous procurements from the same source. The ALCMSs were installed at ORD and MDW as part of the aforementioned projects to meet FAA AC requirements. The NCRB approved the subject non-competitive procurement for the ORD ALCMSs in January 2010, and a modification for addition of the MDW ALCMS in 2016.

3. Explain attempts made to competitively bid the requirement (attach copy of sources contacted.)

Through a competitive bid for the ORD OMP construction project and the MDW ALCV upgrade project, the selected Contractors chose ADBSG to design, build, and install both of the ALCMSs. The proprietary nature of these ALCMSs limit the number of sources available to manage, maintain, repair, and upgrade these types of management and control systems to only the system's designers and manufacturers. In the case of the existing ADBSG system, as well as the previous Edwards and Kelcey and Cooper Crouse Hinds systems at ORD and MDW respectively, the system manufacturers are under no obligation to provide authorized third-party companies for maintenance, repairs or upgrades to their proprietary systems.

4. Describe in detail all research done to find other sources; list other cities, companies in the industry, professional organizations contacted. List periodicals and other publications used as references.

These ALCMSs are utilized throughout the US, including Atlanta Hartsfield Airport, and worldwide for airport visual aid lighting management and controls. The ALCMSs installed at each airport were selected by the construction Contractors following the respective competitive bid processes. ADBSG was one of multiple acceptable manufacturers of ALCMSs that the Contractors could have utilized. The ADBSG systems replaced the



**DEPARTMENT OF PROCUREMENT SERVICES
NON-COMPETITIVE REVIEW BOARD (NCRB) APPLICATION
JUSTIFICATION FOR NON-COMPETITIVE PROCUREMENT WORKSHEET**

aforementioned Edwards and Kelcey system at ORD, and the Cooper Crouse Hinds system at MDW; both of which had sole source maintenance agreements (PO 11793 and 21945 respectively) prior to their replacement. Since these were extensive projects that required new ALCVs and infrastructure at ORD and MDW, costs associated with the design and installation of newer state-of-the-art ALCMSs were found to be reasonable and cost effective to airport stakeholders and were approved without reservations.

5. Explain future procurement objectives. Is this a one-time request or will future requests be made for doing business with the same source?

The existing ADBSG ALCMS at ORD and MDW are state-of-the-art control systems that are continually monitored and upgraded to meet FAA requirements, therefore future procurements would likely result in similar non-competitive contracts with the existing sole source Vendor. Unless and until ADBSG elects to authorize third-party firm(s) to provide maintenance and upgrades to its proprietary ALCMSs, system functionality, maintenance, repairs, and upgrades will necessitate a new sole source Contract with ADBSG to ensure the critical ALCMSs are maintained to FAA standards.

6. Explain whether or not future competitive bidding is possible. If not, explain in detail.

The ongoing maintenance and upgrades of the existing systems cannot be competitively procured as they are proprietary to ADBSG. Based on the manner that the ALCMS manufacturers currently conduct business, managing maintenance and upgrades with internal resources, competitively bid Contracts to the systems are unavailable. Replacements of the existing systems, as stakeholders approved at both ORD and MDW with extensive related projects, would likely result in the same sole source maintenance and upgrade scenario for potential replacement systems, regardless of the ALCMSs manufacturer. Upcoming CDA-OMP project OH.6143.220.326, East Airfield Lighting Control Vault (EALCV), and OH.6151.200.183, Central Deicing Facility, require the installation of ADBSG ALCMSs to ensure conformity and integration with existing systems.

ESTIMATED COST

1. What is the estimated cost for this requirement or for each contract, if multiple awards are contemplated? What is the funding source?

The estimated cost to ensure systems functionality at both ORD and MDW are \$2,800,000.00 through Contract expiration (see question #3 below for further details). This includes time-sensitive hardware and software testing, necessary functional equipment upgrades, and systems preventative maintenance. The current funding source is managed through the airports' O&M budgets.

2. What is the estimated cost by fiscal year?

The estimated annual costs through Contract expiration are approximately \$250,000.00 per year for ORD, and \$100,000.00 per year for MDW through Contract expiration. The noted increases would adequately fund the CDA usage through a potential 181 days allowable extension period, should the CDA elect to utilize it, through 2025.

3. Explain the basis for estimating the cost and what assumptions were made and/or data used (i.e., budgeted amount, previous contract price, current catalog or cost proposal from firms solicited, engineering or in-house estimates, etc.)

The original ALCMS designs/builds for ORD under the OMP did not consider unforeseen FAA mandated requirements, such as Airfield Renaming Projects, Taxiway Redesignation Projects, Commissioning and Decommissioning of Runways and Taxiways, etc. or the extend of which the FAA and CDA utilize the systems on a daily basis to manage airfield visual aids. Most recently, the OMP Master Plan reconfiguration of runways and taxiways unknowingly created pilot confusion, which then caused the FAA to mandate airportwide redesignation to all airfield directional signage. These unanticipated costs could not be factored into the original Contract or anticipated in the ORD Master Plan. The OMP will soon add a new runway and associated taxiways, and an additional EALCV and Central Deicing Facility at ORD, which will be included in program construction and are not included in these procurement estimates. There will also be additional ALCV upgrades as a result of these ORD airfield changes, that are related but not a result of the OMP, necessary to maintain personnel and stakeholder safety at the airports. The ALCMSs at ORD are utilized extensively on a daily basis by the FAA and the CDA, therefore ALCMS controls and



**DEPARTMENT OF PROCUREMENT SERVICES
NON-COMPETITIVE REVIEW BOARD (NCRB) APPLICATION
JUSTIFICATION FOR NON-COMPETITIVE PROCUREMENT WORKSHEET**

equipment will require cyclical replacement to ensure overall critical system functionality and ensure FAA compliance.

Estimates for existing price schedules and expenditures for ORD are \$250,000.00 annually through Contract expiration, which includes annual incremental price adjustments as indicated in the vendors proposal. Graphic User Interfaces (GUI) updates, and system functionality, maintenance and improvements will be needed, and the cost proposal includes quarterly system maintenance and system repairs, airfield designation changes, and excessive use component replacements.

The original design/build under the MDW ALCV improvements did not include added airfield, GUI or system improvements as a result of future projects or extensive maintenance, and are not covered under the existing maintenance/warranty Contract. Therefore, estimates for the price schedules and expenditures for MDW are approximately \$100,000.00 per year through Contract expiration, which includes incremental increases with annual price adjustments, and non-warranty GUI and system upgrades.

The ALCMS at MDW is utilized extensively on a daily basis by the FAA and the CDA, therefore ALCMS components and equipment will require cyclical replacement to ensure overall critical system functionality and ensure FAA compliance.

4. Explain whether the proposed Contractor or the City has a substantial dollar investment in original design, tooling or other factors which would be duplicated at City expense if another source was considered. Describe cost savings or other measurable benefits to the City which may be achieved.

Airport stakeholders have invested substantial funds on the original designs and installations to ensure the ALCMSs meet the FAA mandated requirements at both ORD and MDW. Efforts to competitively bid alternative ALCMSs would, at a minimum, double the cost of already expended stakeholder funds and would certainly result in an equal sole source scenerio since these proprietary systems are built to suit each individual airport layout. Substantial and unjustifiable funding from airport stakeholders would be required to replace these ALCMSs with essentially duplicative complex systems.

5. Explain what negotiation of price has occurred or will occur. Detail why the estimated cost is deemed reasonable.

These competitively bid design/build ALCMSs, and each component included in the ALCMSs "parts list", are reviewed to ensure individual components can not be sourced from existing City commodity Contracts; i.e., computer monitors, PC cables, surge protectors, etc. In fact, the CDA has recently sourced and procured PC monitors via an existing DoIT Citywide commodity Contract that was reasonably less than the "parts list" provided, and will continue to manage expenditures efficiently for stakeholders. The original rates in the Contract were negotiated prior to the Contract's award, and the hourly rates proposed are comparable to existing City service Contracts.

SCHEDULE REQUIREMENTS

1. Explain how the schedule was developed and at what point the specific dates were known.

The CDA, through consultation with the FAA, estimated the minimum usage schedule to ensure ALCMSs are functioning as required. The daily use of the ALCMSs by the CDA and FAA requires ADBSG to provide regular and periodic preventive maintenance, repairs, and system functionality testing. Through past usage, maintenance needs, upgrades and functionality improvements, the CDA and FAA have realized the importance of regular system monitoring and maintenance. The CDA will require periodic maintenance visits above and beyond scheduled preventive maintenance to ensure critical system functionality.

2. Is lack of drawings and/or specifications a constraining factor to competitive bidding? If so, why is the proposed Contractor the only person or firm able to perform under these circumstances? Why are the drawings and specifications lacking? What is the lead time required to get drawings and specifications suitable for competition? If lack of drawings and specifications is not a constraining factor to competitive bidding, explain why only one person or firm can meet the required schedule.

Drawings and specifications, lack of drawings, and lead times would not alter or hold a defining factor in this procurement. Universally, ALCMSs are designed specifically to meet individual airport needs and FAA specifications. The ALCMSs for ORD and MDW have been designed to meet their respective airfield layouts, therefore drawings,



**DEPARTMENT OF PROCUREMENT SERVICES
NON-COMPETITIVE REVIEW BOARD (NCRB) APPLICATION
JUSTIFICATION FOR NON-COMPETITIVE PROCUREMENT WORKSHEET**

functionality, upgrades, and specifications are proprietary to the specific designer/manufacturer of the ALCMSs.

3. Outline the required schedule by delivery or completion dates and explain the reasons why the schedule is critical.

Periodic preventive maintenance, upgrades, and repairs to ensure proper functionality and mitigate potential catastrophic failure(s) are critical to stakeholder operations at ORD and MDW. These potential failures without consistent monitoring could cause nationwide delays, and at the least, great loss of property.

4. Describe in detail what impact delays for competitive bidding would have on City operations, programs, costs and budgeted funds.

The functional requirements of the sole source ALCMSs maintenance and repairs make competitive bidding impractical and cost prohibitive. A new competitive bid process would require the potential new vendor to meet all FAA specifications and requirements, including re-engineering of the entire proprietary ALCMSs, thereby incurring a greater cost to stakeholders and result in new proprietary ALCMSs at both ORD and MDW that would then require their own sole source, non-competitively procured inspection, maintenance, repair and upgrade Contracts.

EXCLUSIVE OR UNIQUE CAPABILITY

1. If contemplating hiring a person or firm as a Professional Service Consultant, explain in detail what professional skills, expertise, qualifications, and/or other factors make this person or firm exclusively or uniquely qualified for the project. Attach a copy of the cost proposal, scope of services, and Temporary Consulting Services Form.

Airport stakeholders procured and the City is the owner of the specialized equipment for use as airport visual aids. These include airfield structures, electrical infrastructures, and Airfield Lighting Control Vaults; computer networks to monitor and control airfield lighting equipment installed in two (2) Airfield Lighting Control Vaults, and each of three (3) FAA ATCTs at ORD, and one (1) Airfield Lighting Control Vault and FAA ATCT at MDW.

2. Does the proposed firm have personnel considered unquestionably predominant in the particular field?

Yes. ADBSG is a worldwide and respected design and manufacturer of ALCM systems with hundreds of airports utilizing their proprietary equipment systems.

3. What prior experiences of a highly specialized nature does the person or firm exclusively possess that is vital to the job, project or program?

ADBSG has more than 20 years experience with the CDA installing, managing, upgrading, and maintaining the ALCMS.

4. What technical facilities or test equipment does the person or firm exclusively possess of a highly specialized nature which is vital to the job?

ADBSG maintains a manufacturing and research and development facility in nearby Ohio that includes test and repair equipment and components for the proprietary ALCMSs at ORD and MDW.

5. What other capabilities and/or capacity does the proposed firm possess which is necessary for the specific job, project or program which makes them the only source who can perform the work within the required time schedule without unreasonable costs to the city?

The proprietary ALCMSs installed at ORD and MDW are readily diagnosed, managed, and maintained by ADBSG at a moments notice and ADBSG maintains secure remote monitoring capabilities to immediately troubleshoot each of the ALCMSs.

6. If procuring products or equipment, describe the intended use and explain any exclusive or unique capabilities, features, and/or functions the items have which no other brands or models, possess. Is compatibility with existing equipment critical from an operational standpoint? If so, provide detailed explanation?

Any procured products or equipment must maintain compatibility and provide integration with the existing proprietary ALCMS to ensure maintenance of these critical navigational aids.



**DEPARTMENT OF PROCUREMENT SERVICES
NON-COMPETITIVE REVIEW BOARD (NCRB) APPLICATION
JUSTIFICATION FOR NON-COMPETITIVE PROCUREMENT WORKSHEET**

7. Is competition precluded because of the existence of patent rights, copyrights, trade secrets, technical data, or other proprietary data (attach documentation verifying such)?

Competition is not available as these ALCMSs were designed and configured specifically for ORD and MDW airport layouts and configurations.

8. If procuring replacement parts and/or maintenance services, explain whether or not replacement parts and/or services can be obtained from any other sources? If not, is the proposed firm the only authorized or exclusive dealer/distributor and/or service center? If so, attach a letter from manufacturer on company letterhead.

Proprietary replacement parts are the exclusive right of ADBSG. Consumables will be price-compared with existing commodity Contracts.

MBE/WBE COMPLIANCE PLAN

The CPO has previously determined that neither direct nor indirect subcontracting opportunities are available, practicable or cost effective. Therefore, there will be no stated goals applicable with this procurement.

OTHER

1. Explain other related considerations and attach all applicable supporting documents, i.e., an approved "ITGB Form" or "Request For Individual Hire Form".

Applicable documents are attached.



DEPARTMENT OF PROCUREMENT SERVICES NON-COMPETITIVE REVIEW BOARD (NCRB) APPLICATION INSTRUCTIONS FOR NON-COMPETITIVE PROCUREMENT APPLICATION

INSTRUCTIONS FOR PREPARATION OF NON-COMPETITIVE PROCUREMENT APPLICATION

If a City Department has determined that the purchase of supplies, equipment, work and/or services cannot be done on a competitive basis, a justification must be prepared on this "Justification for Non-Competitive Procurement Application" in which procurement is requested on a or non-competitive basis in accordance with 65 ILCS 5/8-10-4 of the Illinois Compiled Statutes. Using this instruction sheet, all applicable information must be addressed on the worksheet. The information provided must be complete and in sufficient detail to allow for a decision to be made by the Non-Competitive Procurement Review Board. For Amendments, Modifications, describe in detail the change in terms of dollars, time period, scope of services, etc., its relationship to the original contract and the specific reasons for the change. Indicate both the original and the adjusted contract amount and/or expiration date with this change.

Attach a DPS Checklist and any other required documentation; the Board will not consider justification with incomplete information documentation or omissions.

PROCUREMENT HISTORY

1. Describe the requirement and how it evolved from initial planning to its present status.
2. Is this a first time requirement or a continuation of previous procurement from the same source? If so, explain the procurement history.
3. Explain attempts made to competitively bid the requirement (attach copy of sources contacted).
4. Describe in detail all research done to find other sources; list other cities, companies in the industry, professional organizations contacted. List periodicals and other publications used as references.
5. Explain future procurement objectives. Is this a one-time request or will future requests be made for doing business with the same source?
6. Explain whether or not future competitive bidding is possible. If not, explain in detail.

ESTIMATED COST

1. What is the estimated cost for this requirement or for each contract, if multiple awards are contemplated? What is the funding source?
2. What is the estimated cost by fiscal year?
3. Explain the basis for estimating the cost and what assumptions were made and/or data used (i.e., budgeted amount, previous contract price, current catalog or cost proposal from firms solicited, engineering or in-house estimate, etc.)
4. Explain whether the proposed Contractor or the City has a substantial dollar investment in original design, tooling or other factors which would be duplicated at City expense if another source was considered. Describe cost savings or other measurable benefits to the City which may be achieved.
5. Explain what negotiation of price has occurred or will occur. Detail why the estimated cost is deemed reasonable.

SCHEDULE REQUIREMENTS

1. Explain how the schedule was developed and at what point the specific dates were known.
2. Is lack of drawings and/or specifications a constraining factor to competitive bidding? If so, why is the proposed Contractor the only person or firm able to perform under these circumstances? Why are the drawings and specifications lacking? What is the lead time required to get drawings and specifications suitable for competition? If lack of drawings and specifications is not a constraining factor to competitive bidding, explain why only one person or firm can meet the required schedule.
3. Outline the required schedule by delivery or completion dates and explain the reasons why the schedule is critical.
4. Describe in detail what impact delays for competitive bidding would have on City operations, programs, costs and budgeted funds.

EXCLUSIVE OR UNIQUE CAPABILITY

1. If contemplating hiring a person or firm as a Professional Service Consultant, explain in detail what professional skills, expertise, qualifications, and/or other factors make this person or firm exclusively or uniquely qualified for the project. Attach a copy of the cost proposal, scope of services, and Temporary Consulting Services Form.
2. Does the proposed firm have personnel considered unquestionably predominant in the particular field?
3. What prior experiences of a highly specialized nature does the person or firm exclusively possess that is vital to the job, project or program?
4. What technical facilities or test equipment does the person or firm exclusively possess of a highly specialized nature which is vital to the job?
5. What other capabilities and/or capacity does the proposed firm possess which is necessary for the specific job, project or program which makes them the only source who can perform the work within the required time schedule without unreasonable costs to the City?
6. If procuring products or equipment, describe the intended use and explain any exclusive or unique capabilities, features and/or functions the items have which no other brands or models possess. Is compatibility with existing equipment critical from an operational standpoint? If so, provide detailed explanation?
7. Is competition precluded because of the existence of patent rights, copyrights, trade secrets, technical data, or other proprietary data (attach documentation verifying such)?
8. If procuring replacement parts and/or maintenance services, explain whether or not replacement parts and/or services can be obtained from any other sources? If not, is the proposed firm the only authorized or exclusive dealer/distributor and/or service center? If so, attach letter from manufacturer on company letterhead.

MBE/WBE COMPLIANCE PLAN

- * All submissions must contain detailed information about how the proposed firm will comply with the requirements of the City's Minority and Women Owned Business program. All submissions must include a completed C-1 and D-1 form, which is available on the Procurement Services page on the City's intranet site. The City Department must submit a Compliance Plan, including details about direct and indirect compliance.

OTHER

1. Explain other related considerations and attach all applicable supporting documents, i.e., an approved "ITGB Form" or "Request For Individual Hire Form".

REVIEW AND APPROVAL

This application must be signed by both Originator of the request and signed by the Department Head. After review and final disposition from the Board, this application will be signed by the Board Chairman. After review and final disposition from the Board, this form will be presented to the Chief Procurement Officer recommending approval.

Attach required forms for each procurement type and detailed scope of services and/or specifications and forward original documents to the Chief Procurement Officer; City Hall, Room 806.

Date: 7/5/2018

Department Name:
Aviation

Requisition No: 230209 **Specification No:** 814493

PO No: **Modification No:**

Contract Liaison:
David Bowman

Telephone:
773 686-7089

Email:

Project / Program Manager:
John Antonacci

Telephone:
773-894-1867

Email:

For Blanket Agreements, the lead department must consult with other departments who may want to participate in the Blanket Agreement. If grant funded, attach copy of the approved grant application and other terms and conditions of the funding source.

Note:

- Funding:** Attach information if multiple funding lines
- Individual Contract Services:** Include approval form signed by all parties
- ITGB:** IT project valued at \$100,000.00 or more, attach approval transmittal sheet.

***Contract Liaison Signature**
David Bowman (SA)

**By signing this form, I attest that all information provided is true and accurate.*

Project Title: Inspection, Maintenance, Repair and Upgrades for the Airfield Lighting Control and Monitoring Systems (ALCMS) at Chicago O'Hare and Midway International Airports

Project Description: Inspection, Maintenance, Repair and Upgrades for the Airfield Lighting Control and Monitoring Systems (ALCMS) at Chicago O'Hare and Midway International Airports

Funding:

Corporate Bond Enterprise Grant Other:

IDOT/Transit IDOT/Highway FHWA FTA FAA

LINE	FY	FUND	DEPT	ORGN	APPR	ACTV	PROJECT	RPTG	ESTDOLLAR AMOUNT
	18	740	85	4020	0161	0161			\$2,000,000
	18	610	85	4305	0162	0162			\$800,000

Check One:

New Contract Request

**By signing below, I attest the estimates provided for this contract are true and accurate.*

***Project / Program Manager Signature**
John Antonacci (SA)

***Commissioner/Authorized Designee Signature**
Reshmi Soni

Purchase Order Type:

Blanket/Purchase Order (DUR)

Master Consultant Agreement (Task Order)

Standard/One-Time Purchase

Procurement Method:

Bid RFP RFQ RFI

Small Order

Special Approvals Required:

Emergency

Non-Competitive Review Board (NCRB)

Request for Individual Contract Services

Information Technology Governance Board (ITGB)

IDOT Concurrence

Purchase Order Information:

Contract Term (No. of Months): 96

Extension Options (Rate of Recurrence): 1 (181 days)

Estimated Spend/Value: \$ 2,800,000

Grant Commitment / Expiration Date:

Pre-Bid/Submittal Conference: Yes No

Mandatory Site Visit

Contract Type:

Architect Engineering Commodity Construction JOC SBI

Professional Services Revenue Generating Vehicle & Heavy Equipment

Work Service Joint Procurement Reference Contract

Modification or Amendment

Modification Information:

PO Start Date: _____

PO End Date: _____

Amount (Increase/Reduction): _____

MBE/WBE/DBE Analysis: (Attach MBE/WBE/DBE Goal Setting Memo)

Full Compliance Contract Specific Goals

No Stated Goals Waiver Request

Risk Management / EDS / IDOT

Insurance Requirements (included) Yes No

EDS Certification of Filing (included) Yes No

IDOT Concurrence (required) Yes No

Safety Enhancing Vehicle Equipment (MCC 2-92-597) Yes ___ No ___

Modification/Amendment Type:

Time Extension Scope Change/Price Increase /Additional Line Item(s)

Vendor Limit Increase Requisition Encumbrance Adjustment

Other (specify): _____

Vendor Information

Name: ABD Safegate Americas, LLC

Contact: William D. Weigel

Address: 977 Gahanna Parkway, Columbus, OH 43230

E-mail: bill.weigel@adbsafegate.com

Phone: 614 861-1304



CHICAGO DEPARTMENT OF AVIATION
CITY OF CHICAGO

To: Jamie L. Rhee,
Chief Procurement Officer

Attention: Elizabeth Granados Perez
Deputy Procurement Officer

From: Ginger S. Evans *MSB PS 7/19/18*
Commissioner

Subject: Request for Non Competitive Bid Contract
Inspection, Maintenance, Repair and Upgrades for the
Airfield Lighting Control and Monitoring Systems (ALCMS)
for Chicago O'Hare and Midway International Airports
Vendor: ADB Safegate Americas, LLC (formerly ADB Airfield
Solutions)
Expiring PO Number: 22773
Expiring Specification Number: 75588
Current Expiration Date: December 16, 2018
Estimated Cost: \$2,800,000

The Chicago Department of Aviation (CDA) is requesting approval and assistance in processing a non-competitively bid contract with ADB Safegate Americas, LLC (ADB) formerly known as ADB Airfield Solutions, to provide ongoing maintenance and inspection of systems utilized at the airports as well as future requests for software, graphics updates, new functionality and additions to the existing components of the Chicago O'Hare (O'Hare) and Midway (Midway) International Airports Airfield Lighting Control and Monitoring Systems (ALCMS). The soon expiring, non-competitively bid contract, which was originally only for O'Hare's ALCMS, was later amended to also include the system at Midway pursuant to modification 113943 was approved by the Non Competitive Review Board (NCRB) in 2016.

All ALCMS and related systems covered under the existing as well as proposed new contract were installed as a result of competitively bid construction contracts where CDA noted multiple acceptable manufacturers of the ALCMS and related equipment. The selected low bidders in these contracts chose to install ADB equipment which now requires we have a means to maintain and upgrade it as necessary.

REQ. #: 230209

Regardless of which manufacturer's equipment was selected by the construction contractors, a non-competitively bid maintenance and upgrade contract with the selected ALCMS manufacturer would be needed given the proprietary nature of these systems.

The components of the systems to be covered in the new contract, including both hardware and software, are proprietary to ADB and only ADB personnel can add new functionality to the system or provide inspections and maintenance. The primary purpose of the systems that are /will be covered under this agreement is to control and monitor the airfield lighting which is used by the Department of Aviation and Federal Aviation Administration (FAA) Air Traffic Control Tower (ATCT) personnel. The contract's compensation will be based on the time and material rates provided by ADB and will also be subject to the City's Travel Guidelines. To the extent possible it is CDA's intention to schedule inspections and normal maintenance in a manner to lessen travel costs by servicing both airports on the same work trip. Changes to the system's existing control methodology and monitoring abilities as well as repairs, inspection and maintenance will be at the request of either the Department of Aviation and/or as the FAA directs CDA to proceed.

Just as was the case in the current contract, ADB has provided a letter noting their inability to provide MBE/WBE participation on this contract. CDA has reviewed same and given the scope of the work, requests the contract include "No Stated Goals" language as the work does not have practical means by which compliance can be achieved.

If you require additional information regarding this request please contact David Bowman at 686-7089.

Thank you for your cooperation.

Procurement Type:	Non-Competitive	
Duration:	Eight (8) years plus up to 181 days extension period	
Estimated Annual Cost:	O'Hare: \$250,000 <u>Midway: \$100,000</u> Total \$350,000	
Funding:	740 85 4020 0161 0161 610 85 4305 0162 0162	
User Contact:	John Antonacci Felipe Najar	Phone: 773-894-1867 773- 838-0619
User Deputy:	James Harney Costas Simos	Phone: 773-686-4604 773-838-0625
User Managing Deputy:	Kieran Sheridan Erin O'Donnell	Phone: 773-686-3587 773-838-0608



June 1, 2018

John Antonacci
General Manager
Airport Maintenance Building
Chicago O'Hare International Airport
Chicago, IL 60666

Mr. Antonacci:

ADB Safegate Americas, LLC (ADBSG), formerly known as ADB Airfield Solutions, would like to offer the following Sole Source proposal for software, graphics updates, new functionality and necessary additions to the existing components at Chicago O'Hare (ORD) and Midway (MDW) International Airports as required to manage and maintain the Airfield Lighting Control and Monitoring Systems (ALCMS) in the ORD North Airfield Lighting Control Vault (NALCV), South Airfield Lighting Control Vault (SALCV), and MDW Airfield Lighting Control Vault.

The ADBSG proposal also includes software, graphics updates, new functionality and necessary additions to near/future ADBSG ALCMS installations as part of the O'Hare Modernization Program (OMP) at ORD for the upgrades to the NALCV, new East Airfield Lighting Control Vault, and new Central Deicing Facility.

History

The ADBSG ALCMS for Chicago O'Hare was competitively bid and installed under OMP project number OH6130.220.50.181 "Airfield Vaults and Associated Duct Banks". ADB was the responsive low bidder to the successful low bid general contractor, Divane Brothers Electric, Inc. under contract #12213.

The ADBSG ALCMS for Chicago Midway was competitively bid and installed under CDA project number M6100.12-00 "Airfield Lighting Control Vault Improvements". ADB was the responsive low bidder to the successful low bid general contractor, Divane Brothers Electric, Inc. under contract #28241.

Proprietary Systems

The primary purpose of the system is to control and monitor the airfield lighting and is utilized by CDA and Federal Aviation Administration (FAA) Air Traffic Control Tower personnel. The components of the system, including hardware and system software, are proprietary to ADBSG, and as such, only ADBSG personnel can manage, maintain or add new functionality to the systems.



Existing and Future Contractual Requirements

The systems are currently maintained under sole source contract 2273 which expires December 16, 2018, and warranty and Preventative Maintenance requirements shall remain in effect through contract duration. The proposed sole source agreement is to allow for the continuing functionality upgrades that can only be performed by ADBSG personnel. Changes to the systems existing control methodology and monitoring abilities will be at the request of the CDA personnel. Any failed components will be covered under the existing warranty where the failure is warranty related, and maintenance activities will be as directed by the CDA.

Sincerely,

A handwritten signature in black ink that reads "William D. Weigel". The signature is written in a cursive style with a large, looped "W" and "D".

William D. Weigel
Regional Manager – Great Lakes

EXHIBIT 1: SCOPE OF WORK AND TIME LIMITS FOR PERFORMANCE

ADB SAFEGATE AMERICAS, L.L.C. ("Contractor") will furnish, deliver and supply F.O.B., to the City of Chicago Department of Aviation (CDA), technical assistance and components to manage, maintain, enhance and upgrade, as necessary, the Airfield Lighting Control and Monitoring System (ALCMS) at Chicago O'Hare and Midway International Airports (individually, the "Airport" or "O'Hare" and/or "Midway", and collectively the "Airports"); all in accordance with the General Conditions, Special Conditions, and Detailed Specifications of this Contract.

I. Work Covered Under Agreement

(a) New Functionality

When requested by the Commissioner, the Contractor will provide services for upgrades to the system programming (software) and provide any necessary components required by the upgrade. Prior to beginning of the services, the Contractor will provide a written proposal detailing the work to be performed for the Commissioner's review and approval. The proposal and support documentation must be reviewed and approved by the Commissioner before the Contractor can schedule any work. New functionality is defined as any new or program changes to the existing system or installation of new control equipment as directed or requested by the Commissioner.

(b) Systems and Equipment

The Contractor will provide timely maintenance and service to existing facilities ALCMSs and associated equipment, including but not limited to:

- O'Hare North Airfield Lighting Control Vault
- O'Hare South Airfield Lighting Control Vault
- Midway Airfield Lighting Control Vault

The Contractor will provide timely maintenance and service to new and/or rehabilitated facilities ALCMSs and associated equipment, including but not limited to:

- O'Hare North Airfield Lighting Control Vault
- O'Hare East Airfield Lighting Control Vault
- O'Hare Central Deicing Facility

The City reserves the right to add or remove facilities and/or ALCMSs without necessitating a Contract modification. The Contractor will discontinue services or provide additional services under the same conditions as specified this Contract at the exclusive direction of the Commissioner throughout the Contract period or any extension thereof.

(c) Maintenance and Repairs of ALCMS

When directed by the Commissioner, the Contractor will provide system maintenance and/or repair and replacement of failed portions of the ALCMSs. Maintenance tasks, repairs and replacement parts will be invoiced by the Contractor at the fully loaded hourly labor rates as set forth in Exhibit 2 for associated job descriptions, and replacement parts and various components will be invoiced at component pricing as set forth in Exhibit 3, "Component Pricing", of this Contract.

(d) Training

The Commissioner will determine the topics and provide the schedule for training to the Contractor. The Contractor will perform the training sessions in the time frame agreed to between the City and the Contractor. Training sessions will be conducted on site and to personnel involved in the maintenance and operation of the ALCMSs.

II. Warrantee

The Contractor hereby warrants that all Work performed and materials furnished under this Contract are guaranteed against defective materials and workmanship, improper performance, and non-compliance with the Contract Documents for a period of one (1) year after date of acceptance by the Commissioner.

III. Preventative Maintenance

The Contractor will provide quarterly preventative maintenance inspections (PMI) to the ALCMSs at O'Hare and Midway and will be compensated at the rates as set forth in Exhibit 2 "Schedule of Compensation" and Exhibit 3 "Component Pricing" as necessary.

As directed by the Commissioner, the Contractor must perform routine maintenance and inspection of the ALCMSs to prevent the occurrence of potential problems within the ALCMS computers and networking systems, and ensure their operational integrity. The Contractor must provide personnel to ensure the proper functioning of the equipment all times. The preventative measures must include, at a minimum, the inspection of all wiring, communication, remote access points/modems, cable and fiber optic cable elements associated with the ALCMS subsystem components, and interface with switchgear and generator control panels.

At a minimum, and as part of the PMIs, the Contractor must perform the following:

- Communication system tests
- Review of ALCMS stored alarm conditions
- Database Clean-up
- Touch screen calibrations
- Input Current Voltage Monitoring (CVM), Output CVM, Insulation Resistance Monitoring System (IRMS) and Distributed Control Board (DCB) testing and diagnostics
- ALCMS equipment inspections
- Software version updates
- Enclosure inspections (fans/heating/cooling)
- Computer diagnostics
- Printer testing
- Keyboard/Monitor cleaning
- Inspection of the Constant Current Regulators interface to the ALCMS
- UPS functional testing
- Firmware version updates
- Record input current, input voltage, output current, output voltage, VA and IRMS readings for each CCR
- Calibration of Lamps Out
- Verify all L-827 functionality (i.e. Low VA, Open Circuit, Over Current, etc.)
- Testing of all mechanical and Ethernet network switches
- Documentation for all replacement work

As required and at the direction of the Commissioner, the Contractor must replace printer toner cartridges, printer paper supplies, batteries for uninterruptible power supplies and any other consumable items that are associated with the ALCMSs.

During each PMI, the monitoring portion of the ALCMSs must be tested and evaluated. The Contractor must recalibrate the monitoring system(s) as required and return the ALCMS(s) to optimal performance.

The Contractor must maintain and be equipped with an adequate spare parts inventory for the ALCMSs to allow for immediate component replacement and restoration of services upon PMIs.

The CDA will assign personnel to accompany the Contractor while performing PMIs to ensure CDA personnel understand each feature of the ALCMSs and provide guidance on the operational, troubleshooting, and maintenance characteristics of the systems.

IV. On Site and Remote Support

During the Contract period, the Contractor must make technical service personnel available to the CDA and must provide necessary technical assistance and support throughout the Contract period or any extension thereof.

The Contractor's technical service personnel must provide remote changes to the system hardware, system software, and troubleshoot the signal between and operation of the components of the ALCMSs.

Onsite Airport support must be available twenty-four (24) hours a day, seven (7) days a week, and three-hundred-sixty-five (365) days a year within eight (8) hours' notice by CDA.

The Contractor must provide free phone consultation and technical support during the Contract period or any extension thereof. The Contractor must provide technical phone support with remote diagnosis within two (2) hours of the initial call.

The ALCMSs as designed at O'Hare and Midway maintain a modem for remote communication to the Airfield Lighting Vaults ALCMSs, which includes remote access for system troubleshooting and programming. The Contractor must provide, with each invoice, a detail for all remote troubleshooting, diagnostics, and programming conducted throughout the Contract period or any extension thereof.

V. General Requirement

The Contractor must provide a telephone number for the seven (7) day week, twenty-four (24) hours per day call center for the CDA to request on-call warranty support. The call center must be capable of documenting the time of all incoming calls. The Contractor must provide, with each invoice, a detail for all calls to or from the call center throughout the Contract period or any extension thereof.

The Contractor will perform required maintenance and repair service during "Normal Service" hours. Normal Service must be performed upon request during the period of 7:00 A.M. to 3:00 P.M. However, services covered under the Contract may be performed outside normal service hours upon the request of the CDA. The CDA agrees to provide reasonable means to access all equipment. The Contractor must coordinate the exact date and time with the CDA to ensure that there are no scheduling conflicts.

The Contractor must assign one individual and one alternate to serve as the O'Hare and Midway Coordinator who will oversee and have complete and direct responsibility for the services required under the Contract and as defined in these Specifications. This individual(s) must be the point of contact for the CDA and be responsible for coordinating all work. The Contractor must provide direct contact information, including office and cell phone numbers, for both individuals.

Personnel assigned to maintain the ALCMSs must be fully insured and have formal training and substantial experience installing and servicing all hardware and software specific to the systems installed at O'Hare and Midway. Work must be performed in a professional manner and in accordance with industry standards.

Name and credentials of the Contractor's technicians, their assignments, and their company affiliation must be provided. If the personnel assigned to O'Hare and Midway changes during the Contract period or extension thereof, the Contractor must immediately notify the Commissioner. The CDA will review and approve proposed personnel changes.

The Contractor's service personnel must notify the Commissioner of any malfunctions found and the remedies provided during the Contract period or extension thereof.

The Contractor's must perform all services required with that degree of skill, care, and diligence normally exercised by professionals performing the types of services of a similar scope, magnitude and complexity comparable to the services defined herein.

The Contractor must provide all supplies, equipment, tools, materials, transportation, and labor to fulfill required services.

The Contractor must provide a written report that includes a complete analysis of the ALCMSs, any repairs provided, system changes, recommendations of required maintenance or upgrades that could enhance system

performance, and any additional maintenance or functionality tools available for O'Hare and Midway ALCMSs.

The Contractor must have sufficient and appropriate test equipment to ensure swift and effective diagnosis, adjustment, and/or repair of the O'Hare and Midway ALCMSs.

The Contractor must maintain records in an orderly manner. Records for PMI and/or service calls listing dates and reasons for service calls must also be maintained by the Contractor for inspection when requested by the Commissioner. Service manuals, parts list of equipment, and written service reports must be maintained by the Contractor. A copy of all service manuals, parts list and written service reports is to be provided to the Commissioner with each invoice during the Contract period or extension thereof.

VI. REPAIRS

The Contractor will provide repairs to the ALCMSs as directed by the Commissioner. Compensation will be as set forth in Exhibit 2 "Schedule of Compensation" for labor, and Exhibit 3 "Component Pricing" for replacement parts and accessories.

VII. PARTS AND MATERIALS

The City reserves the right to purchase parts and materials as listed in the ADB Pricelist for installation by the Contractor, its own forces or other Contractors as directed by the Commissioner. The Contractors' unit prices as set forth in Exhibit 3 includes all costs to furnish and deliver parts and materials to the CDA during the term of this Contract or extension thereof. The unit prices include, but are not limited to, the cost of parts and materials, transportation and handling, insurance, applicable taxes, incidentals, storage, overhead and profit. No additional compensation whatsoever will be allowed by the City above and beyond the unit prices as set forth in Exhibit 3.

VIII. TRAVEL

Travel expenses are not included in the pricing and will be invoiced separately on a per use basis. Should travel become necessary in the performance of Services, the Contractor will obtain prior written approval from the Commissioner for expenses related to travel to/from the Airports. All such expenses will conform with the City's travel reimbursement guidelines as set forth in Exhibit 9 "City of Chicago Travel Policy".

(Remainder of Page Intentionally Left Blank)


SCOPE PREPARED BY


EXHIBIT 5: INSURANCE CERTIFICATE OF COVERAGE



CERTIFICATE OF LIABILITY INSURANCE

DATE: MM/DD/YYYY
03/09/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Aon Risk Services Northeast, Inc. New York NY Office 199 Water Street New York NY 10038-3551 USA	CONTACT NAME: PHONE (A/C No. Ext): (866) 283-7122 FAX (A/C No.): (800) 363-0105	
	E-MAIL ADDRESS: INSURER(S) AFFORDING COVERAGE: _____ NAIC #: _____	
INSURED Adu Safegate Americas LLC 977 Gahanna Parkway Columbus OH 43230 USA	INSURER A: Sentinel Insurance Company, Ltd 11000	INSURER B: Commerce & Industry Ins Co 19410
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES CERTIFICATE NUMBER: 570070376467 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. Limits shown are as requested

INSH LTR	TYPE OF INSURANCE	ADDITIONAL INSURED	COVERAGE	POLICY NUMBER	POLICY EFF. DATE (MM/DD/YYYY)	POLICY EXP. DATE (MM/DD/YYYY)	LIMITS
B	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			FP0134683800	02/01/2018	02/01/2019	EACH OCCURRENCE \$25,000,000 DAMAGE TO RENTALS FURNISHED (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE \$25,000,000 PRODUCTS - COMP/OP AGG Included
A	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY <input checked="" type="checkbox"/> COMB. DED \$500 <input checked="" type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY <input checked="" type="checkbox"/> COMB. DED \$1000			1D UEC WK207B	11/10/2017	11/10/2018	COMBINED SINGLE LIMIT (Ea accident) \$2,000,000 BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)
	UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE DED RETENTION						EACH OCCURRENCE AGGREGATE PER STATUTE OTH ER E.L. EACH ACCIDENT E.L. DISEASE-EA EMPLOYEE E.L. DISEASE POLICY LIMIT
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR, PARTNER, EXECUTIVE OFFICER/OWNER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A				

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 RE: Maintenance and upgrade of airfield lighting control system at O'Hare International Airport. The City of Chicago, its directors, officers, employees and agents are included as additional insured in accordance with the policy provisions of the General Liability and Automobile Liability policies. General Liability and Automobile Liability policies evidenced herein are Primary and Non-Contributory to other insurance available to an additional insured, but only in accordance with the policy's provisions. A waiver of subrogation is granted in favor of the City of Chicago, its directors, officers, employees and agents in accordance with the policy provisions of the general Liability and Automobile Liability policies.

CERTIFICATE HOLDER City of Chicago Department of Procurement Services 121 W. LaSalle St., Suite 403 Chicago IL 60602 USA	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE <i>Aon Risk Services Northeast, Inc</i>
---	---

Holder Identifier:

Certificate No.: 570070376467



WVW

POLICY HOLDER NOTICE

CERTIFICATE HOLDER CANCELLATION NOTICE SCHEDULE

Should this policy be cancelled before the expiration date hereof, the producer will endeavor to mail 30 days written notice to the certificate holder named herein, but failure to do so shall impose no obligation or liability of any kind upon the insurer, the producer, or the respective agents or representatives of each.

SCHEDULE:

CERTIFICATE HOLDERS AS IDENTIFIED ON THE MOST RECENT QUARTERLY SCHEDULE OF CERTIFICATE HOLDERS PROVIDED BY THE INSURED'S BROKER OF RECORD TO THE INSURER.

(Remainder of Page Intentionally Left Blank)

WJW

EXHIBIT 7: MBE/WBE COMPLIANCE PLAN



May 18, 2018

Jamie L. Rhee
Chief Procurement Officer
Chicago O'Hare International Airport
Aviation Administration Building
10510 West Zemke Road
Chicago, Illinois 60666

Re: MBE/WBE Full Waiver Request

Mr. Rhee:

At the request of the Chicago Department of Aviation (CDA), ADB Safegate Americas, LLC (ADBSG) is offering a Sole Source proposal for future requests of software, graphics updates, new functionality and additions to the existing components of the Chicago O'Hare and Chicago Midway Airfield Lighting Control and Monitoring Systems (ALCMS). At issue is ADBSG's ability to comply with the City of Chicago's MBE/WBE goals, either directly or indirectly via service contracts.

We cannot comply directly because the components of the system, including software, are proprietary to ADBSG and only ADBSG personnel can add new functionality to the system.

In regards to indirect services, we are located in Columbus, OH which eliminates most Chicago based MBE/WBE companies service offerings. We considered travel agencies but there is no guaranteed travel in our proposal as we can provide software and diagnostic services via telephone lines. Additionally, if we are required to travel to Chicago our commissioning engineer's may choose to travel using our specialty equipment company van. The van is equipped with tools and diagnostic equipment specific to our ALCMS. We also considered office supplies but already have corporate contracts in place for these services.

Because of the proprietary nature of the system, lack of guaranteed travel and services contracts already in place, ADBSG cannot find a means to satisfy the City of Chicago MBE/WBE goals.

Please provide ADB Safegate Americas, LLC with a full waiver of the City of Chicago MBE/WBE goals.

If you have any questions, please contact me at: 614-573-8285.

Sincerely,

A handwritten signature in cursive script that reads "William D. Weigel".

William D. Weigel
Regional Sales Manager – Great Lakes

W.D.W.



CHICAGO DEPARTMENT OF AVIATION
CITY OF CHICAGO

MEMORANDUM

To: Jamie L. Rhee
Chief Procurement Officer

Attention: Elizabeth Granados-Perez
Deputy Procurement Officer

Monica Jimenez
Deputy Procurement Officer

From: Ginger S. Evans *MSB 7/19/18*
Commissioner

Subject: Concurrence with Contractor's Request for MBE/WBE Waiver on New Sole Source Contract for Inspection, Maintenance, Repair and Upgrades for the Airfield Lighting Control and Monitoring Systems at Chicago O'Hare and Midway International Airports
Requisition Number: 230209
Specification Number: 814493
Expiring PO Number: 22773
Vendor: ADB Safegate Americas, LLC

The Chicago Department of Aviation (CDA) is in receipt of a letter from ADB Safegate Americas, LLC dated May 18, 2018 requesting a full MBE/WBE waiver and is in concurrence pending review and approval by the Department of Procurement Services.

This request is based on the proprietary nature of the Airfield Lighting Control and Monitoring Systems and its components including software and that only ADB Safegate personnel can add new functionality to the systems.

If you have any questions or need additional information regarding this recommendation, please contact David Bowman at (773) 686-7089.

CDA MBE/WBE Goals Concurrence Memo for ADB Safegate Americas, LLC New Sole Source Application

James Hankin

Mon 7/9/2018 6:37 PM

To: Monica Jimenez <Monica.Jimenez@cityofchicago.org>;

Cc: Gwendolyn Smith <Gwendolyn.King@cityofchicago.org>; Bridget O'Shea <Bridget.O'Shea@cityofchicago.org>; David Bowman <DAVID.BOWMAN@cityofchicago.org>;

 1 attachments (441 KB)

ADB Safegate Sole Source CDA MBE WBE Concurrence Memo Jul '18.pdf;

Monica,

The CDA MBE/WBE goals concurrence memo for the new ADB Safegate, LLC sole source is attached for your review. The memo is part of the NCRB application package that will be submitted to DPS July 10, 2018.

Thank you.

James Hankin
Coordinator of Special Projects
Chicago Department of Aviation
10510 W. Zemke Road
Chicago, IL 60666
(773) 686-3541

EXHIBIT 8: AFFIDAVIT CONCERNING SECTION 1-23-010 OF THE MUNICIPAL CODE OF CHICAGO

The Consultant (the "Affiant"), hereby certifies and declares as follows:

1. Neither the Affiant nor any Controlling Person (as defined below) of the Affiant has ever been convicted or in custody, under parole or under any other non-custodial supervision resulting from a conviction in a court of any jurisdiction for the commission of a felony of any kind, or of a criminal offense of whatever degree, involving;

- (a) bribery or attempted bribery, or its equivalent under any local, state or federal law, of any public officer or employee of the City of Chicago (the "City") or of any Sister Agency (as defined below); or
- (b) theft, fraud, forgery, perjury, dishonesty or deceit, or attempted theft, fraud, forgery, perjury, dishonesty or deceit, or its equivalent under any local, state or federal law, against the City or any Sister Agency; or
- (c) conspiring to engage in any of the acts set forth in items (a) or (b) of this Section 1.

2. Neither the Affiant nor any Controlling Person of the Affiant has made in any civil or criminal proceeding an admission of guilt of any of the conduct set forth in items (a) through (c), inclusive, of Section 1 above, under circumstances where such admission of guilt is a matter of record but has not resulted in criminal prosecution for such conduct.

3. Neither the Affiant nor any Controlling Person of the Affiant is charged with or indicted for any felony or criminal offense set forth in items (a) through (c), inclusive, of Section 1 above. Such ineligibility shall remain in effect until final adjudication is made with respect to such felony or criminal offense.

As used herein, "Controlling Person" shall mean any person who (1) is an officer, director, limited liability company manager, managing member, partner, general partner or limited partner of any business entity; or (2) owns, directly or indirectly through one or more intermediate ownership entities, more than 7.5% of the ownership interest in any business entity; or (3) controls, directly or indirectly through one or more intermediate ownership entities, the day-to-day management of any business entity. Indicia of control include, without limitation: interlocking management or ownership; identity of interests among family members; shared facilities and equipment; common use of employees; or organization of a business entity following the ineligibility of a business entity under this section, using substantially the same management, ownership or principals as the ineligible entity.

As used herein, "Sister Agency" shall mean (1) the Board of Education of the City of Chicago; (2) Chicago Park District; (3) Chicago Transit Authority; (4) Community College District No. 508, Cook County, Illinois; (5) Chicago Housing Authority; or (6) the Public Building Commission of Chicago.

Under penalty of perjury, the person signing below: (1) warrants that he/she is authorized to execute this Affidavit on behalf of the Affiant, and (2) warrants that all certifications and statements contained in this Affidavit are true, accurate and complete as of the date hereof.

Joseph S. Pokraj
(Print or type name of Affiant)

By: 
(Sign here)

CEO

www

CITY OF CHICAGO TRAVEL POLICY

TRAVEL POLICY

The City of Chicago Travel Policy ("Policy") consists of procedures and guidelines for current and prospective City employees and contractors who travel on behalf of and for the benefit of the City. This Policy is administered by the Office of Budget and Management (OBM).

This Policy:

- Is not intended to cover routine local travel within the Chicago metropolitan area (see map on p. 8) or local travel related to the performance of an employee's regular job duties. Rather, this Policy is intended for out-of-town domestic and international travel or travel to Chicago from another city;
- Applies to all travelers representing the City of Chicago, including but not limited to departments (including financial, legal and public safety departments), employees and contractors, regardless of the purpose for travel;
- Applies to all funding sources, including grants, delegate agency and second/third party payments;
- Requires employees to secure the most economical means of travel, balancing cost, travel time and work requirements;
- Will be strictly enforced; with any deviations from these guidelines justified in writing and approved by the Budget Director prior to travel.

The City is not obligated to reimburse any employee, contractor or representative of the City for travel expenses which were not preapproved by OBM. Travel taken without following the required approval process set forth in this Policy, could result in disciplinary action for all parties involved.

Before planning out-of-town travel, every effort should be made to identify local options for comparable conferences, meetings, seminars or training sessions. If out-of-town travel is required, employees must manage travel costs and make every effort to secure the most economical arrangements available.

When an individual is required to travel on behalf of and for the benefit of the City, the employee is expected to exercise good judgment. Travel dates and times should be as close as reasonably possible to meet the trip agenda's start and end times.

Employees are only allowed an extended stay with pre-approval by both the department head and OBM. The cost of transportation cannot exceed the amount of the regular business travel and the employee must use vacation time for the entirety of the additional stay. All expenses related to the extended stay, including additional airfare, baggage fees, hotel accommodations and per diem costs are the sole responsibility of the traveler.

WVW

CITY OF CHICAGO TRAVEL POLICY

GENERAL APPROVAL

The City recognizes the following activities as appropriate for travel purposes:

- Delivery of legislative testimony.
- As a stipulation or condition of grant funding or otherwise required for state or federal certification.
- Presentation on behalf of the City at a conference or seminar.
- Financial or tax audit.
- Site visits or operational evaluations related to departmental improvement efforts.
- Court proceedings or case preparation.
- Attendance at conferences, meetings, seminars or training sessions for which the topic is of critical interest to the City; representation at the event is in the best interest of the City; and/or the topic is related to an employee's professional development.

Limits on Participation

Attendance at conferences, meetings, seminars or training sessions held outside the Chicago metropolitan area is limited to a maximum of two attendees on behalf of the City, unless otherwise approved by OBM.

Board of Ethics Approval

The relevant provisions of the City of Chicago Governmental Ethics Ordinance are §§ 2-156-142(a)(2), and (d)(10) and (12). They provide that City employees and officials cannot accept any cash gifts, or any combination of non-cash gifts worth more than \$50 in a calendar year, with a few exceptions. Exceptions are travel and expenses paid by a third party.

(d)(10) Any material or travel expense for meetings related to a public or governmental educational purpose, provided that any such travel has been approved in advance by the Board [of Ethics], and further provided that such travel is reported to the Board [of Ethics] within 10 days of completion thereof.

(d)(12) Reasonable hosting, including travel and expenses, entertainment, meals or refreshments furnished in connection with meetings, public events, appearances or ceremonies related to official City business, if furnished by a sponsor of such meeting or public event, and further provided that such travel and expenses, entertainment, meals or refreshments are reported to the Board [of Ethics] within 10 days of acceptance thereof.

Note: The \$50 gift limitation applies to anything given or offered beyond reasonable business-related travel, for example, golf expenses or little acrylic paperweights. Honoraria, items or money offered for one's speech or participation in a meeting or conference, are strictly forbidden.

It is the department liaison's responsibility to contact the Board of Ethics in advance of submitting a travel request and the traveler's responsibility to report any expenses related to official City business to the Board of Ethics within 10 days of completion of the travel.

WJW

CITY OF CHICAGO TRAVEL POLICY

TRAVEL APPROVAL PROCEDURE

- All domestic and international travel outside the Chicago metropolitan area requires approval from OBM (see map on p. 8).
- All requests for domestic travel must be submitted to OBM as far in advance as possible, but no later than sixteen (16) days prior to the date of departure.
- All requests for international travel or to the Washington DC region must be submitted to OBM at least twenty-one (21) days prior to the date of departure.
- All requests will be reviewed and approved by the department's budget analyst and OBM travel manager.
- Requests for International travel or travel to the Washington DC region will be subject to review and approval by the Mayor's Office.
- Reservations for air transportation are required to be secured through the City's designated travel management agency, Corporate Travel Management Group (CorpTrav) via the CorpTrav online service at <http://wcp.getthere.net/corptravonline>.
- Phone reservations (877-448-9868) are only allowed when travel arrangements require additional services not available in the online booking site, since an additional fee is charged when reservations are booked through the phone reservation system.
- All travel plans must be submitted via the Travel Request site available through the City's SharePoint Portal ([https://chicagogov.sharepoint.com/sites/obm/SitePages/Welcome to the Travel Request Home Page.aspx](https://chicagogov.sharepoint.com/sites/obm/SitePages/Welcome%20to%20the%20Travel%20Request%20Home%20Page.aspx)). The following supporting documentation must be attached:
 1. **Justification Memo:** The signed memo from the department head to the Budget Director should justify the benefit to the City that will result from the employee attending the conference, meeting, training, etc. and include a summary of the travel itinerary. All travel must comply with the City's Travel Policy; any special requests that deviate from the Policy must be addressed in the justification memo.
 2. **Traveler Certification Form:** The signed certification form from the traveler indicates that the traveler has provided true and accurate travel information, and has reviewed and will abide by the City of Chicago Travel Policy.
 3. **Travel Agenda:** The agenda should include the travel dates, including all destinations, conference, meeting and/or training descriptions; and any other pertinent information about the travel plans. If applicable, the invitation letter and/or details about third-party payments for travel should also be included.
 4. **Transportation Quote:** The quote will come from the CorpTrav online reservation site and will display the departure and return flight numbers, dates, times and costs.
 5. **Hotel Reservation Quote:** This quote could come from either the CorpTrav online reservation site or directly from the designated conference hotel and will display the hotel name, reservation dates, and price quote.
 6. **Proof of Available Funding:** The department's budget must have sufficient funds for the travel; proof of available funding can be obtained from the City's Financial Management and Purchasing System (FMPS).
 7. **Board of Ethics' Approval (applicable for all third party paid travel):** This document must be provided by the traveler if any portion of the travel and expenses are paid by a third party. It is the traveler's responsibility to contact the Board of Ethics in advance to obtain a written approval.
- Travel must be booked within 24 hours of approval to avoid an increase in airfare.
- All expenses incurred while traveling will be charged to Account .0245, unless travel is funded by a grant or a non-City funding source.

CITY OF CHICAGO TRAVEL POLICY

- Travel paid by a third party or by the employee must adhere to this Policy and the City's Ethics Rules. City-related travel paid by the employee need not be approved by the Board of Ethics in advance or reported to the Board within 10 days of completion, but the traveler is still subject to the honorarium ban and the \$50 gift limit (note that some departments may have stricter gift limits or "no gift policies").
- The City is not obligated to reimburse employees for travel expenses that do not comply with the Policy or if not approved by OBM prior to the commencement of travel.
- The City is not obligated to approve the employee's travel time under official City business if the travel has not been approved by OBM prior to the commencement of travel.
- No payment or cash advances will be approved for airfare, lodging or per diem costs.
- Original itemized receipts are required for reimbursement.
- Reimbursable rates are outlined in the Travel Reimbursement Rates ("Rates") section of this Policy (see chart on p. 9).
- No employee may receive direct reimbursement for third party travel.
 - Registration, transportation and/or lodging can either be directly purchased by the grantor, with proof of purchase, replacing the CorpTrav quote in the required attachment section of the SharePoint Travel submittal; or
 - Paid directly to the City for reimbursement to the employee through the Department of Finance's voucher process (see Travel Expense Statement on p. 11).

REIMBURSABLE TRAVEL EXPENSES

Transportation

- Common Carrier (Air, Train, Bus)
 - All reservations and ticket purchases must be made through CorpTrav, for all funding sources (e.g. grants and third party) unless otherwise approved by OBM.
 - Reservations and ticket purchases should be made as far in advance as possible to take advantage of any available discounted fares. Tickets should not be booked, however, until OBM has approved the Travel Request.
 - Tickets are to be booked at the most economical fare available that meets the requirements of the traveler's agenda.
 - No traveler may select tickets on a specific carrier or airport for any reason while on City business, unless it is the most economical fare.
 - First-class and business tickets are prohibited.
 - Electronic tickets are the only acceptable delivery method of tickets unless this option is not available. CorpTrav will advise on an alternative if electronic tickets are not an option.
 - Any charges incurred as a result of changes to an original airline reservation made prior to or during travel are subject to OBM approval.
- City-Issued Vehicles
 - Employees traveling on City business within a 200-mile radius of Chicago should obtain a City-issued vehicle.
 - Employees traveling on City business in a City-issued vehicle are entitled to reimbursement for gas, parking and toll expenses but not mileage reimbursement. Original itemized receipts must be provided for all expenses.

CITY OF CHICAGO TRAVEL POLICY

- A City-issued vehicle can be obtained through the Department of Fleet and Facility Management (2FM). Refer to the Department of Fleet and Facility Management's Vehicle and Equipment Policy for more information. The document is posted on the 2FM's intranet site. A copy of the policy is also available on SharePoint in the Travel Request Document Library.
 - Employees are responsible for all fines related to parking or moving violations issued while traveling on City business. **Absolutely no exceptions will be made.**
- Personal Vehicles
- Use of personal vehicles for business travel is prohibited without prior approval from OBM. Employees are required to use City-issued vehicles for business travel, and may only use personal vehicles when City-issued vehicles are not available.
 - When using a personal vehicle, employees must meet all applicable insurance requirements of the City, including the appropriate levels of insurance coverage and the naming of the City of Chicago as an 'Additional Insured' for business purposes. The employee must provide this documentation to the travel coordinator within the department prior to the start of the trip. Employees must carry evidence of the insurance when traveling.
 - For mileage reimbursement, refer to the Department of Finance's Local Mileage Reimbursement & Other Local Transportation Policy found on the intranet. A copy of the policy is also available on SharePoint Travel Request Document Library.
 - The current mileage reimbursement rate can be found in the Rates section of this Policy (see chart on p. 9) or in the applicable Collective Bargaining Agreement.
 - Mileage reimbursement should not exceed the cost of an economy class airfare or train.
 - Parking and toll expenses will be reimbursed separately from mileage reimbursements with original receipts.
 - Employees are responsible for all fines related to parking or moving violations issued while traveling on City business. **Absolutely no exceptions will be made.**
- Car Rental
- Car rental is not allowed within the Chicago Metropolitan area. City vehicles obtained through the Department of Fleet and Facility Management should be reserved for such travel. Refer to the Department of Fleet and Facility Management's Vehicle and Equipment Policy. The document is posted on the department's intranet site. A copy of the policy is also available on SharePoint in the Travel Request Document Library.
 - Car rental is a reimbursable expense only when there is no other transportation available or the distance between airports, lodging, and/or meeting site(s) makes public transportation, taxi or other modes of transportation impractical.
 - Car rental will be reimbursed at the compact car rate unless the need for a larger car can be justified.
 - Daily rental rates, taxes, surcharges, gas and car rental insurance are all considered reimbursable items.
 - Only one car rental will be allowed per trip. This includes trips with multiple travelers unless previously authorized by OBM.
 - Employees are responsible for all fines related to parking or moving violations issued while traveling on City business. **Absolutely no exceptions will be made.**

WDM

CITY OF CHICAGO TRAVEL POLICY

Ground Transportation

- Ground transportation cost is reimbursable up to the maximum rate as outlined in the Rates section of this Policy (see chart on p. 9).
- The ground transportation rate covers the full trip costs (not daily).
- Ground transportation includes public transportation, shuttles, taxis, and livery service.
- Shuttle service or public transportation is encouraged. Livery service may be used if the cost is less than the cost of a taxi service or other means of transportation.
- Gratuity for ground transportation is the sole responsibility of the traveler and is not reimbursable.

Lodging

- The cost of a standard hotel room is reimbursable up to the maximum daily rate as outlined in the Rates section of this Policy (see chart on p. 9), exclusive of applicable taxes.
- Employees may stay at higher priced hotels, but will receive reimbursement up to the maximum daily rate for the applicable city group if a lower priced hotel is available within a reasonable distance.
- The maximum daily rate can only be exceeded with prior approval from OBM if the "conference hotel" or a lower priced room is not available within a reasonable distance.
- Hotel lodging within the Chicago metropolitan area is not a reimbursable expense.
- All personal expenses must be paid for separately or deducted from the lodging bill before it is submitted for reimbursement.
- When a third party is responsible for hotel accommodations, every effort should be made to have the third party reserve and pay for the hotel expenses directly.

Meals Per Diem

- The cost for meals is reimbursable up to the maximum daily rate as outlined in the Rates section of this Policy (see chart on p. 9). Travel allowance covers meal costs from the point of departure from Chicago through arrival back in Chicago.
- Travelers are only allowed 75% of the per diem allowance on the first and last days of travel. A full day per diem may be reimbursable when departure or arrival times require an early morning departure or evening arrival to meet the business travel agenda.
- Travelers are only allowed 75% of the per diem allowance for travel that does not require an overnight stay.
- The traveler will only be reimbursed for original itemized receipts submitted, which support the actual expenditures, not to exceed the per diem allowance.
- If meals are included in registration fees, the traveler will not be reimbursed for pre-paid meals.
- Original itemized receipts are required for reimbursement.

Additional Expenses

- **Business-Related Expenses**
Business-related expenses incurred while on City travel may be reimbursed at the discretion of the department head. The following are examples of allowable reimbursable business expenses, if such services are required to execute a City business requirement:
 - Internet connections
 - Sending or receiving faxes
 - Photocopying
 - Express mail services

WOW

CITY OF CHICAGO TRAVEL POLICY

- **Laundry**
 - Employees traveling on City business for three or more consecutive days are entitled to reimbursement for laundry expenses up to a maximum of \$10 per three-day period beginning with the fourth day
- **Airline baggage fees**
 - Only employees traveling on City business for three or more consecutive nights, or require additional baggage for displays, are entitled to reimbursement for baggage fees.

Conference and Registration Fees

- Registration fees should be charged to the department's education and professional development accounts (.0169) unless travel is required under a specific funding source.
- Every effort should be made to take advantage of early registration or group rate discounts.

NON-REIMBURSABLE TRAVEL EXPENSES

Non-reimbursable expenses include, but are not limited to, the following:

- Additional charges for hotel or room upgrades or special "club" floors
- Alcoholic beverage(s)
- Airline baggage fees for stays of two nights or less
- Coat check services
- Costs associated with extended stays (including transportation)
- Costs associated with ticket changes not pre-approved by OBM
- Entertainment, including but not limited to in-room movies
- Late check-out and any guarantee charges
- Non-Itemized receipts
- Other expenses of a purely personal nature and not listed as reimbursable in these guidelines
- Parking or moving violation tickets
- Personal services (e.g. health club, massage, personal maintenance)
- Spousal or other family expenses
- Toiletries
- Travel accident insurance

TRAVEL REIMBURSEMENT

- No employee may receive direct reimbursement for third party travel. Third parties should pay directly to the City for reimbursement to employees.
- Upon return, the traveler must submit the following documentation to the Department of Finance for reimbursement:
 1. A completed payment voucher
 2. A Travel Expense Statement
 3. A Travel Request Final Approval Printout
 4. Original itemized receipts
- The traveler will only be reimbursed for original itemized receipts submitted, which support the actual expenditures, not to exceed the allowances approved by OBM prior to travel.

CITY OF CHICAGO TRAVEL POLICY

- If there is a disputed reimbursement, a representative from the Department of Finance will contact the department to resolve the outstanding matter. If it is not resolved in a timely manner, the undisputed portion will be reimbursed along with an explanation and instructions on how to resolve the outstanding amount.

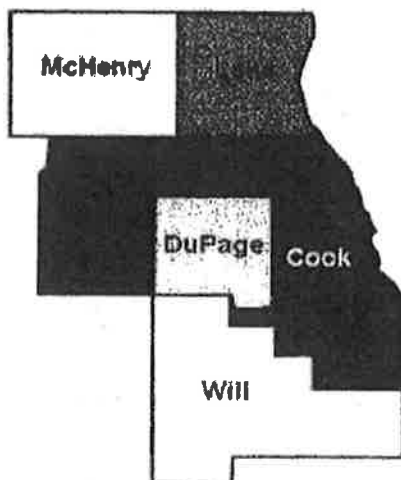
TRAVEL FOR CONSULTANTS OR NON-EMPLOYEES

- Travel by consultants or contractors engaged by the City should adhere to the City of Chicago Travel Policy. Travel expenses should be included in the contract price and billed as required by the contract.
- Travel by non-employees at the invitation of the City must be approved in advance by the Mayor's Chief of Staff and adhere to the City of Chicago Travel Policy. Reimbursement will be for actual expenses within the per diem rate schedule (not a flat per diem).

INTERNATIONAL TRAVEL

- All requests for City travel outside the continental United States must be submitted to OBM as far in advance as possible, but at least twenty-one (21) days prior to the date of travel.
- International travel will require additional review and approval by the Mayor's Office Chief of Staff prior to travel.
- Travelers should convert all foreign expenses to U.S. currency prior to submitting a Travel Expense Report. Official documentation of the exchange rate at the time of travel (e.g. bank receipt) must accompany all original itemized receipts.
- The City is not obligated to reimburse employees for travel expenses that do not comply with the travel Policy or not approved by OBM before the travel begins.

CHICAGO METROPOLITAN AREA



WJW

CITY OF CHICAGO TRAVEL POLICY

TRAVEL REIMBURSEMENT RATES

Reimbursement rates are categorized by relative travel costs associated with certain cities. For cities not listed, please use Group 5 reimbursement rates.

	GROUP 1 CITIES	GROUP 2 CITIES	GROUP 3 CITIES	GROUP 4 CITIES
	Boston, MA Los Angeles, CA Miami, FL New York, NY & Metro Areas San Francisco, CA Washington, DC & Metro Areas	Atlanta, GA Baltimore, MD Chicago, IL Dallas, TX Philadelphia, PA San Jose, CA Seattle, WA White Plains, NY	Cleveland, OH Denver, CO Detroit, MI Honolulu, HI Indianapolis, IN Las Vegas, NV Madison, WI Memphis, TN New Orleans, LA Orlando, FL Phoenix, AZ Portland, OR San Diego, CA Springfield, IL St Louis, MO Tampa, FL	Columbus, OH Hartford, CT Kansas City, MO Louisville, KY Milwaukee, WI Nashville, TN Pittsburgh, PA
				GROUP 5 CITIES
				International Other
Maximum Daily Rate	\$250	\$225	\$150	\$125
Maximum Mileage Rate				
AIR	Coach Economy	Coach Economy	Coach Economy	Coach Economy
RAIL	Economy	Economy	Economy	Economy
PERSONAL CAR	\$.54/mile	\$.54/mile	\$.54/mile	\$.54/mile
Maximum Per Diem Rate	\$55	\$50	\$45	\$40
Maximum Lodging Rate	\$65	\$60	\$55	\$50
<p>* Maximum daily rate excludes applicable taxes. Taxes will be included in the reimbursement. ** 2016 Rate. Mileage reimbursement follows the rate determined by the Internal Revenue Service. *** Ground Transportation rate covers the full trip, including parking at point of departure. **** Per diem includes tax and gratuity. 75% of the per diem rate on the first and last days of travel.</p>				

WJW

CITY OF CHICAGO TRAVEL POLICY

TRAVELER CERTIFICATION FORM

City of Chicago



Traveler Certification Form

With regard to my trip described in the attached Travel Request, I certify to the following:

- I have reviewed the City of Chicago Travel Policy.
- The purpose of this trip meets the general requirements for approved travel set forth in the City of Chicago Travel Policy.
- The purpose of this trip cannot be fulfilled locally.
- This trip is not routine local travel or local travel related to the performance of my regular job duties.
- I am taking this trip for the purposes identified in the Travel Request.
- I have made all applicable travel arrangements through the City's designated travel management agency.
- I have made appropriate effort to secure the most economical means of travel.

Traveler Name (Print)

Date

Traveler Signature

A handwritten signature in the bottom right corner of the page.



June 1, 2018

John Antonacci
General Manager
Airport Maintenance Building
Chicago O'Hare International Airport
Chicago, IL 60666

Mr. Antonacci:

ADB Safegate Americas, LLC (ADBSG), formerly known as ADB Airfield Solutions, is in receipt of the standard Terms & Conditions (T&C) as provided by the Chicago Department of Aviation (CDA) for existing and future installations of Airfield Lighting Control and Monitoring Systems (ALCMS) components at Chicago O'Hare (ORD) and Midway (MDW) International Airports.

The overall draft T&C provided, which we understand will be updated to reflect the Sole Source proposal by ADBSG, are reasonable and acceptable.

Sincerely,

A handwritten signature in cursive script that reads "William D. Weigel".

William D. Weigel
Regional Manager – Great Lakes

John Antonacci
General Manager
Airport Maintenance Building
Chicago O'Hare International Airport
Chicago, IL 60666

Mr. Antonacci:

As part of the Sole Source proposal offered by ADB Safegate Americas, LLC (ADBSG), formerly known as ADB Airfield Solutions, ADBSG is providing the following Labor and Materials pricing for existing and future installations of Airfield Lighting Control and Monitoring Systems (ALCMS) components at Chicago O'Hare (ORD) and Midway (MDW) International Airports.

The attachments include hourly rates for ADBSG personnel and component prices with applicable discounts.

Sincerely,



William D. Weigel
Regional Manager – Great Lakes



SCHEDULE OF COMPENSATION

Following are ADBSG hourly rates. A minimum of eight (8) hours will be charged per job.

Current Labor Category	2018	2019	2020	2021	2022	2023	2024	2025	2026
Project Engineering Manager	\$183.61	\$189.12	\$194.79	\$200.64	\$206.65	\$212.85	\$219.24	\$225.82	\$232.59
Time and a Half	\$275.42	\$283.68	\$292.19	\$300.96	\$309.99	\$319.29	\$328.87	\$338.73	\$348.89
Double Time	\$367.23	\$378.25	\$389.59	\$401.28	\$413.32	\$425.72	\$438.49	\$451.65	\$465.20
Sr. Software Developer	\$149.17	\$153.65	\$158.25	\$163.00	\$167.99	\$172.93	\$178.12	\$183.46	\$188.96
Time and a Half	\$223.75	\$230.46	\$237.38	\$244.50	\$251.83	\$259.39	\$267.17	\$275.18	\$283.44
Double Time	\$298.33	\$307.28	\$316.50	\$325.99	\$335.77	\$345.85	\$356.22	\$366.91	\$377.92
Software Developer	\$137.40	\$141.52	\$145.77	\$150.14	\$154.64	\$159.28	\$164.06	\$168.98	\$174.05
Time and a Half	\$206.10	\$212.28	\$218.65	\$225.21	\$231.97	\$238.93	\$246.09	\$253.48	\$261.08
Double Time	\$274.80	\$283.04	\$291.54	\$300.28	\$309.29	\$318.57	\$328.13	\$337.97	\$348.11
Applications Engineer	\$136.74	\$140.84	\$145.07	\$149.42	\$153.90	\$158.52	\$163.27	\$168.17	\$173.22
Time and a Half	\$205.10	\$211.25	\$217.59	\$224.12	\$230.84	\$237.77	\$244.90	\$252.25	\$259.81
Double Time	\$273.47	\$281.67	\$290.12	\$298.83	\$307.79	\$317.03	\$326.54	\$336.33	\$346.42
Project Designer	\$113.00	\$116.39	\$119.88	\$123.48	\$127.18	\$131.00	\$134.93	\$138.98	\$143.15
Time and a Half	\$169.50	\$174.59	\$179.82	\$185.22	\$190.77	\$196.50	\$202.39	\$208.46	\$214.72
Double Time	\$226.01	\$232.79	\$239.77	\$246.97	\$254.38	\$262.01	\$269.87	\$277.96	\$286.30
Project Manager	\$149.17	\$153.65	\$158.25	\$163.00	\$167.99	\$172.93	\$178.12	\$183.46	\$188.96
Time and a Half	\$223.75	\$230.46	\$237.38	\$244.50	\$251.83	\$259.39	\$267.17	\$275.18	\$283.44
Double Time	\$298.33	\$307.28	\$316.50	\$325.99	\$335.77	\$345.85	\$356.22	\$366.91	\$377.92
Commissioning Engineer	\$124.31	\$128.04	\$131.88	\$135.84	\$139.91	\$144.11	\$148.43	\$152.89	\$157.47
Time and a Half	\$186.46	\$192.05	\$197.82	\$203.75	\$209.86	\$216.16	\$222.64	\$229.32	\$236.20
Double Time	\$248.61	\$256.07	\$263.75	\$271.66	\$279.81	\$288.21	\$296.85	\$305.76	\$314.93
Sr. Applications Engineer	\$136.74	\$140.84	\$145.07	\$149.42	\$153.90	\$158.52	\$163.27	\$168.17	\$173.22
Time and a Half	\$205.10	\$211.25	\$217.59	\$224.12	\$230.84	\$237.77	\$244.90	\$252.25	\$259.81
Double Time	\$273.47	\$281.67	\$290.12	\$298.83	\$307.79	\$317.03	\$326.54	\$336.33	\$346.42
Sr. Field Service Engineer	\$136.73	\$140.83	\$145.06	\$149.41	\$153.89	\$158.51	\$163.26	\$168.16	\$173.21
Time and a Half	\$205.10	\$211.25	\$217.59	\$224.12	\$230.84	\$237.77	\$244.90	\$252.25	\$259.81
Double Time	\$273.46	\$281.66	\$290.11	\$298.82	\$307.78	\$317.02	\$326.53	\$336.32	\$346.41
Sr. Field Service Technician	\$124.31	\$128.04	\$131.88	\$135.84	\$139.91	\$144.11	\$148.43	\$152.89	\$157.47
Time and a Half	\$186.46	\$192.05	\$197.82	\$203.75	\$209.86	\$216.16	\$222.64	\$229.32	\$236.20
Double Time	\$248.61	\$256.07	\$263.75	\$271.66	\$279.81	\$288.21	\$296.85	\$305.76	\$314.93

Rates

Work Hour Classifications :

- a. Regular Time: Monday through Friday, 8:00 a.m. to 5:00 p.m., for the first eight (8) hours on site, per hour per man. Travel time counts towards the first 8 hours.
- b. Time and a Half: (i) Monday through Friday over eight (8) hours to twelve (12) hours, per hour per man on site; (ii) Saturdays and Sundays for the first eight (8) hours, per hour per man on site.
- c. Double Time: (i) Monday through Friday for over twelve (12) hours, per hour per man on site; (ii) Saturdays and Sundays per hour over eight (8) hours, per hour per man on site; (iii) Holidays all hours, per man on site.

NOTE: Holidays are defined as New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

The hourly rates as set forth above include complete compensation for all labor, equipment, employee benefits, payroll taxes, overhead, general administrative costs, and profit.

William D. Weigel

EXHIBIT 3: KEY PERSONNEL

Applications Engineer / Sr. Applications Engineer

Area of Responsibilities

- *Generates and supports all software code, configurations, support documentation associated with airport custom projects*
- *Generates and supports all testing, debugging and version control of software configuration versions*
- *Supports general project activities as required including production, testing and installation when needed*
- *Performs field start-ups, testing and troubleshooting of advanced products as required by project manager*
- *Responsible for configuring, testing, and debugging advanced product and related airfield lighting control systems*
- *Responsible for setting up computer hardware and communication equipment as required for testing and debugging software*
- *Responsible for becoming familiar with Federal Aviation Administration (FAA) airport policies, procedures and products.*
- *Responsible for becoming familiar with FAA Advisory Circulars and understand the airfield lighting industry and product lines.*
- *Responsible for generating quality software documentation, technical documentation for computer system specifications and operator manuals.*
- *Responsible for generating software training classes for customers or internal employees.*

Software Developer / Sr. Software Developer

Area of Responsibilities

- *Responsible for entire life cycle development of new software source code to support new software functions and requirements of custom projects. This includes flowcharting, coding, remarks/documentation, testing and debugging.*
- *Generates and supports all software code, configurations, support documentation associated with airport custom projects*
- *Generates and supports all testing, debugging and version control of software versions*
- *Responsible for configuring, testing, and debugging advanced product and related products.*
- *Responsible for generating quality software code documentation, technical documentation for computer system specifications and operator manuals.*

Commissioning Engineer

Area of Responsibilities

- *Field start-up and commissioning support for advanced products*
- *Supports Project Manager during factory acceptance and system acceptance testing with customer as required*
- *Supports Project Manager in testing, troubleshooting, installing advanced product*
- *Generates and supports all technical documentation including manuals, training handbooks, training certification programs and sales/marketing literature*
- *Performs technical training classes for advanced product to internal and external customers*
- *Responsible for becoming familiar with Federal Aviation Administration (FAA) airport policies, procedures and products.*
- *Responsible for becoming familiar with FAA Advisory Circulars and understand the airfield lighting industry and product lines.*

Project Designer

Area of Responsibilities

- *Generates and supports all mechanical assembly and electrical wiring drawings associated with advanced products*
- *Generates and supports all bill of material entry and new parts generation*
- *Runs / supports Production Releases and release follow-up for advanced products*
- *Supports Project Manager activities including site visits and production support as required*
- *Familiar with Federal Aviation Administration (FAA) airport policies, procedures and products*
- *Familiar with FAA Advisory Circulars and understand the airfield lighting industry and product lines*

WAW

Project Manager / Project Engineering Manager

Area of Responsibilities

- *Accurately prepare and organize quote reviews with management*
- *Complete technical written Submittal packages for custom projects*
- *Manage design team to produce custom drawing packages for each project*
- *Utilize drawings standards and processes to design electrical and mechanical drawings*
- *Utilize electrical experience to review and approve ladder diagrams and wiring diagrams*
- *Manage software team to produce custom software configurations for each project*
- *Utilize software standards and processes to produce software configurations and test plans*
- *Generates and supports all factory acceptance and system acceptance testing with customer*
- *Prepares and performs technical presentations and training on advanced product*
- *Utilize commissioning team for complete on-site field installation and start-ups*
- *Complete on-site system readiness checks and troubleshooting of advanced products*
- *Complete on-site system acceptance tests with owner and receive owner acceptance of project*
- *Utilize commissioning team to complete onsite training on product*
- *Familiar with Federal Aviation Administration (FAA) airport policies, procedures and products.*
- *Familiar with FAA Advisory Circulars and understand the airfield lighting industry and product lines.*
- *Familiar with ICAO Advisory Circulars as required for international projects.*

Sr. Field Service Engineer

Area of Responsibilities

- *Assists customers, both internal and external, in isolating defects in the field or in-house at ADBSG by troubleshooting over the phone or dispatching to the airport*
- *Repairs, overhauls & calibrates ADBSG airfield lighting equipment*
- *Assists ADBSG Service Techs in electrical/electronic troubleshooting on difficult or repeat problems*
- *Trains ADBSG Service Techs in the areas of the engineer's expertise*
- *Performs product presentations in ADBSG airfield lighting maintenance seminars*
- *Represents Technical Service department in product design processes*
- *Assists Project Engineering Group in modification of custom product line*
- *Evaluates ADBSG products and initiates Engineering Change Orders (ECO) and/or Corrective Action Reports to correct deficiencies*
- *Performs Preventative Maintenance Contracts at airports requesting them*
- *Reviews Tech Service schedule daily and assigns work tasks to Service Techs*
- *Monitors Test Equipment, Loaner Equipment and reports status to management*
- *Tasked to meet or exceed annual departmental and personal goals*
- *Temporarily assumes the duties of the Product Support Manager in his absence*

Sr. Field Service Technician

Area of Responsibilities

- *Assists customers, both internal and external, in isolating defects in the field or in-house at ADBSG by troubleshooting over the phone or dispatching to the airport*
- *Serves as the main POC between ADBSG and airport electricians*
- *Repairs, overhauls & calibrates ADBSG airfield lighting equipment*
- *Performs product presentations in ADBSG airfield lighting maintenance seminars*
- *Assists Project Engineering Group in modification of custom product line*
- *Evaluates ADBSG products and initiates Engineering Change Orders (ECO) and/or Corrective Action Reports*
- *Performs Preventative Maintenance Contracts at airports requesting them*
- *Tasked to meet or exceed annual departmental and personal goals*

WJW

EXHIBIT 4: COMPONENT PRICING

The Contractor will update and provide an annual component price list. The price list will detail the list price for each component and the discounted city price. The annual updated component price list will include, where applicable, component price increases. The Contractor may add or delete components as necessary by providing a written request for approval by the Commissioner. Components affected by commodity price changes (i.e. copper, steel, etc.) may only be increased and included with each annual updated component price list throughout the Contract period or any extension thereof. If the Contractor increases the price on a particular component(s) based on the change in commodity prices, where the percentage change in price is in excess of the year over year Producer Price Index (comparing January of each contract year to the previous contract year), then the Contractor must provide documentation tied to a specific commodity index (i.e. Copper , Steel, Oil) to justify the percentage change in pricing for that component(s).

(Remainder of Page Intentionally Left Blank)





Price List - 2018

Part Number	Description	CDA Price	Price List
44A6081	SGRS FERRO CIRC SELCT BAY	\$ 9,659.96	\$ 11,591.95
44D1831/2	REGULATOR SELECTOR TYPE 2	\$ 9,091.12	\$ 10,909.34
44D4520/2000S	L847 ASSEMBLY TYPE 2, Stainless Steel	\$ 11,912.32	\$ 14,294.78
44A6011/10	LAHSO INDOOR 240 VAC	\$ 9,995.36	\$ 11,994.43
44A6011/11	LAHSO INDOOR 240 VAC, WITH OPTIONAL INTE	\$ 10,075.32	\$ 12,090.38
44A6011/20	LAHSO INDOOR 208 VAC	\$ 11,374.56	\$ 13,649.47
44A6011/21	LAHSO INDOOR 208 VAC, WITH OPTIONAL INTE	\$ 11,267.16	\$ 13,520.59
44A6012/10	LAHSO OUTDOOR 240 VAC	\$ 11,179.36	\$ 13,415.23
44A6012/11	LAHSO OUTDOOR 240 VAC, WITH OPTIONAL INT	\$ 11,057.18	\$ 13,268.62
94A0307	PARTS KIT MIAMI TO PROD. LAHSO	\$ 5,156.22	\$ 6,187.46
44A4830/1000	ACE ASSY. FOR L-827 STANDALONE	\$ 3,536.33	\$ 4,243.59
44A4830/A000	ACE ASSY WITH DISPLAY BOARD	\$ 3,127.75	\$ 3,753.30
44A4830/A010	ACE ASSY WITH DISPLAY BOARD	\$ 3,588.48	\$ 4,306.17
44A4830/A100	ACE ASSY WITH DISPLAY BOARD	\$ 3,536.33	\$ 4,243.59
44A4830/A200	ACE ASSY WITH DISPLAY BOARD	\$ 3,795.98	\$ 4,555.17
44A4830/A300	ACE ASSY WITH DISPLAY BOARD	\$ 4,219.60	\$ 5,063.52
44A4830/B000	ACE ASSY W/DISPLY&DUAL I/O BDS	\$ 6,781.38	\$ 8,137.65
44A4830/B010	ACE ASSY W/DISPLY&DUAL I/O BDS	\$ 14,378.53	\$ 17,254.23
44A4830/B100	ACE ASSY W/DISPLY&DUAL I/O BDS	\$ 7,189.95	\$ 8,627.94
44A4830/B200	ACE ASSY W/DISPLY&DUAL I/O BDS	\$ 7,449.60	\$ 8,939.52
44A4830/B300	ACE ASSY W/DISPLY&DUAL I/O BDS	\$ 7,873.23	\$ 9,447.87
44A4830/B400	ACE ASSY W/DISPLY&DUAL I/O BDS	\$ 8,280.43	\$ 9,936.51
44A5899/A100	ACE FINAL ASSY.W/DIS.BD.&1CKT.	\$ 3,419.00	\$ 4,102.80
44A5899/A200	ACE FINAL ASSY.W/DIS.BD.&1CKT.	\$ 3,676.35	\$ 4,411.62
44A5993/01XX	CVM INTERFACE BOX	\$ 1,060.13	\$ 1,272.15
44A5993/10XX	CVM INTERFACE BOX	\$ 1,279.53	\$ 1,535.43
44A5993/11XX	CVM INTERFACE BOX	\$ 2,481.98	\$ 2,978.37
44A5993/20XX	CVM INTERFACE BOX	\$ 3,761.98	\$ 4,514.37
44A5993/21XX	CVM INTERFACE BOX	\$ 2,847.75	\$ 3,417.30
44A6001	MSP-99005 CNTL PNL PCB ASSY	\$ 467.68	\$ 561.21
44A6016/A000	ACE ASSY W/DISP. BOARD HINGED MISC I/O	\$ 3,138.48	\$ 3,766.17
44A6016/A100	ACE ASSY W/DISP. BOARD 1 CIRC HINGED	\$ 3,545.65	\$ 4,254.78
44A6016/A200	ACE ASSY W/DISP. BOARD 2 CIRC HINGED	\$ 3,805.30	\$ 4,566.36
44A6016/A300	ACE ASSY W/DISP. BOARD 3 CIRC HINGED	\$ 4,228.93	\$ 5,074.71
44A6016/A400	ACE ASSY W/DISP. BOARD 4 CIRC HINGED	\$ 4,640.10	\$ 5,568.12
44A6016/A810	ACE ASSY W/DISP. BOARD HINGED	\$ 6,409.88	\$ 7,691.85
44A6125/01XX	ACE COMBO BOX IRMS ONLY	\$ 7,005.40	\$ 8,406.48
44A6125/10XX	ACE COMBO 6.6A WO/IRMS	\$ 7,753.78	\$ 9,304.53
44A6125/11XX	ACE COMBOBOX 6.6A W/IRMS	\$ 8,077.73	\$ 9,693.27
44A6125/20XX	ACE COMBOBOX 20A WO/IRMS	\$ 9,352.30	\$ 11,222.76
44A6125/21XX	ACE COMBOBOX 20A W/IRMS	\$ 9,844.38	\$ 11,813.25
44A6150	ACE/CCR INTERFACE RELAY BOX	\$ 4,815.98	\$ 5,779.17
44A6185/MXXX	IOXTENDER MODEM	\$ 3,304.40	\$ 3,965.28
44A6185/RXXX	IOXTENDER RS-232	\$ 4,087.30	\$ 4,904.76
44A6188/111X	IOX COM ASSY NOT VENTED E-NET	\$ 5,683.63	\$ 6,820.35
44A6188/112X	IOX COM ASSY NOT VENTED MODEM	\$ 5,503.65	\$ 6,604.38
44A6188/113X	IOX COM ASSY NOT VENTED RS232	\$ 5,063.53	\$ 6,076.23
44A6188/121X	IOX ASSY WO/VENT W/HEAT E-NET	\$ 5,988.18	\$ 7,185.81
44A6188/122X	IOX ASSY WO/VENT W/HEAT MODEM	\$ 5,797.15	\$ 6,956.58



Price List - 2018

Part Number	Description	CDA Price	Price List
44A6188/123X	IOX ASSY WO/VENT W/HEAT RS-232	\$ 5,357.00	\$ 6,428.40
44A6188/211X	IOX ASSY VENTED WO/HEAT E-NET	\$ 1,825.48	\$ 2,190.57
44A6188/212X	IOX ASSY VENTED WO/HEAT MODEM	\$ 1,825.48	\$ 2,190.57
44A6188/213X	IOX ASSY VENTED WO/HEAT RS-232	\$ 1,825.48	\$ 2,190.57
44A6188/221X	IOX ASSY VENTED HEATED E-NET	\$ 1,825.48	\$ 2,190.57
44A6188/222X	IOX ASSY VENTED HEATED MODEM	\$ 1,825.48	\$ 2,190.57
44A6188/223X	IOX ASSY VENTED HEATED RS-232	\$ 1,825.48	\$ 2,190.57
44A6415/1100	CVM INTERFACE BOX 6.6A W/ IRMS	\$ 1,802.35	\$ 2,162.82
44A6415/2100	CVM INTERFACE BOX 20A W/ IRMS	\$ 2,463.15	\$ 2,955.78
44A6507/2100	ACE II WALL MT ASY LCD DISPLAY W/OUT MON	\$ 1,941.88	\$ 2,330.25
44A6507/2120	ACE II WALL MNT ASY LCD DISP W/ LOM DUAL	\$ 2,618.60	\$ 3,142.32
44A6602/101021	AICB 6.6A W/OUT/IRMS W/OUT LOM LCD	\$ 3,836.23	\$ 4,603.47
44A6602/101120	AICB 6.6A W/OUT/IRMS W/1 CHAN LOM LCD	\$ 4,265.33	\$ 5,118.39
44A6602/111120	AICB 6.6A WITH /IRMS W/1 CHAN LOM LCD	\$ 4,793.78	\$ 5,752.53
44A6602/111220	AICB 6.6A WITH IRMS W/2 CHAN LOM LCD	\$ 5,053.43	\$ 6,064.11
44A6602/211120	AICB 20A W/IRMS W1 CHAN /LOM LCD	\$ 5,538.95	\$ 6,646.74
44A6602/211220	AICB 20A W/IRMS W2 CHAN /LOM LCD	\$ 5,798.60	\$ 6,958.32
44A6684/050	INPUT MONITORING PANEL	\$ 1,499.73	\$ 1,799.67
44A6685/050	INPUT MONITORING PANEL, 208V, 4KW	\$ 2,140.95	\$ 2,569.14
44A6685/075	INPUT MONITORING PANEL, 208V, 7.5-10KW	\$ 2,161.18	\$ 2,593.41
44A6685/100	INPUT MONITORING PANEL, 208V, 15KW	\$ 3,576.20	\$ 4,291.44
44A6685/150	INPUT MONITORING PANEL, 208V, 20KW	\$ 2,160.68	\$ 2,592.81
44A6686/050	INPUT MON. PANEL ASSEM. 4-70KW	\$ 2,647.60	\$ 3,177.12
94A0296/A000	ACE KIT NO FCM W/O IP MON 3S	\$ 2,770.63	\$ 3,324.75
94A0296/A001	ACE KIT NO FCM W/O IP MON 5S	\$ 3,121.18	\$ 3,745.41
94A0296/A010	ACE KIT NO FCM W/IP MON 3S	\$ 3,177.83	\$ 3,813.39
94A0296/A011	ACE KIT NO FCM W/IP MON 5S	\$ 3,121.18	\$ 3,745.41
94A0296/A100	ACE KIT 1 FCM W/O IP MON 3S	\$ 3,766.55	\$ 4,519.86
94A0296/A101	ACE KIT 1 FCM W/O IP MON 5S	\$ 3,709.90	\$ 4,451.88
94A0296/A111	ACE KIT 1 FCM W/IP MON 5S	\$ 3,380.80	\$ 4,056.96
94A0296/A200	ACE KIT 2 FCM W/O IP MON 3S	\$ 4,026.20	\$ 4,831.44
94A0296/A300	ACE KIT 3 FCM'S W/O IP MON 3S	\$ 3,861.10	\$ 4,633.32
94A0300/0110	ACE 4KW 3S CCR W/CVM KIT	\$ 1,020.50	\$ 1,224.60
94A0300/0211	ACE 4KW 5S CCR W/CVM&IRMS KITS	\$ 1,507.40	\$ 1,808.88
94A0300/0310	ACE 7.5KW 3S CCR W/CVM KIT	\$ 1,020.50	\$ 1,224.60
94A0300/0311	ACE 7.5 3S CCR W/CVM&IRMS KITS	\$ 1,507.40	\$ 1,808.88
94A0300/0510	ACE 10KW 3S CCR W/CVM KIT	\$ 1,020.50	\$ 1,224.60
94A0300/0511	ACE 10K 3S CCR W/CVM&IRMS KITS	\$ 1,507.40	\$ 1,808.88
94A0300/0611	ACE 10K 5S CCR W/CVM&IRMS KITS	\$ 1,507.40	\$ 1,808.88
94A0300/0711	ACE 15K 3S CCR W/CVM&IRMS KITS	\$ 1,540.28	\$ 1,848.33
94A0300/0811	ACE 15K 5S CCR W/CVM&IRMS KITS	\$ 1,540.28	\$ 1,848.33
94A0300/0911	ACE 20K 3S CCR W/CVM&IRMS KITS	\$ 1,540.28	\$ 1,848.33
94A0300/1010	ACE 20K 5S CCR W/CVM KIT	\$ 790.43	\$ 948.51
94A0300/1011	ACE 20K 5S CCR W/CVM&IRMS KITS	\$ 1,540.28	\$ 1,848.33
94A0300/1111	ACE 30K 3S CCR W/CVM&IRMS KITS	\$ 1,540.28	\$ 1,848.33
94A0300/1211	ACE 30K 5S CCR W/CVM&IRMS KITS	\$ 1,540.28	\$ 1,848.33
94A0300/1310	ACE 7.5KW 3S CCR W/CVM KIT 240V	\$ 1,020.50	\$ 1,224.60
94A0300/1311	ACE 7.5 3S CCR W/CVM&IRMS 240V	\$ 1,507.40	\$ 1,808.88
94A0300/1411	ACE 7.5 3S CCR W/CVM&IRMS 208V	\$ 1,507.40	\$ 1,808.88



Price List - 2018

Part Number	Description	CDA Price	Price List
94A0300/1510	ACE 10K 3S 2400V CCR W/CVM KIT	\$ 1,020.50	\$ 1,224.60
94A0300/1610	ACE 20K 5S 2400V CR W/CVM KIT	\$ 1,053.38	\$ 1,264.05
94A0300/1611	ACE 20K 5S CCR W/CVM&IRMS KITS	\$ 1,540.28	\$ 1,848.33
94A0300/1710	ACE 30K 5S 2400V CR W/CVM KIT	\$ 1,053.38	\$ 1,264.05
94A0300/1711	ACE 30K 5S CCR W/CVM&IRMS KITS	\$ 1,540.28	\$ 1,848.33
94A0300/1810	ACE 20K 5S 480V CR W/CVM KIT	\$ 2,316.08	\$ 2,779.29
94A0300/1811	ACE 20K 5S CCR W/CVM&IRMS KITS	\$ 2,802.95	\$ 3,363.54
94A0300/1910	ACE 30K 5S 480V CR W/CVM KIT	\$ 2,316.08	\$ 2,779.29
94A0300/1911	ACE 30K 5S CCR W/CVM&IRMS KITS	\$ 2,802.95	\$ 3,363.54
94A0300/2001	ACE 50K 5S CCR W/O CVM & W/IRMS KIT	\$ 776.58	\$ 931.89
94A0300/2010	ACE 50KW 5S 480V CR W/CVM KIT	\$ 2,316.08	\$ 2,779.29
94A0300/2011	ACE 50K 5S CCR W/CVM&IRMS KITS	\$ 2,998.18	\$ 3,597.81
94A0300/2110	ACE 70KW 5S 480V CR W/CVM KIT	\$ 2,316.08	\$ 2,779.29
94A0300/2111	ACE 70K 5S CCR W/CVM&IRMS KITS	\$ 2,998.18	\$ 3,597.81
94A0300/2210	ACE 4KW 5S 220V CCR W/CVM KIT	\$ 1,020.50	\$ 1,224.60
94A0300/2310	ACE 10KW 5S 220V CCR W/CVM KIT	\$ 1,020.50	\$ 1,224.60
94A0300/2410	ACE 20KW 5S 240V CCR W/CVM KIT	\$ 1,053.38	\$ 1,264.05
94A0339	IRMS FIELD KIT INTL TO CCR	\$ 665.55	\$ 798.66
94A0340/20	20CVM FIELD KIT INTL TO CCR	\$ 2,395.58	\$ 2,874.69
44A6266/4	FERRO SGRS LIFT,W/CASTRS,3.8-5.3" HK PAD	\$ 21,188.70	\$ 25,426.44
44A6267/1D	SGRS FERRO PWR BAY,SNGL BUS W/ CKT BRKR	\$ 17,613.02	\$ 21,135.62
44A6946/0002	FERRO ICPB, S BUS 600A CKT BKR & PH MTR	\$ 17,617.23	\$ 21,140.68
91A0028/1492	ORD-0601 - SALV SGRS RCC#3 GRAVOPLY LBLS	\$ 133.04	\$ 159.64
91A0028/1493	ORD-0601 - SALV SGRS RCC#4 GRAVOPLY LBLS	\$ 133.04	\$ 159.64
PHF2030/237C	SGRS PWRPK 30KW 480 5S 20A HSTAB ACE/IRM	\$ 24,997.55	\$ 29,997.06
PHF2050/237C	FERRO SGRS PP 50KW 480V 5S W/S1 20A HORZ	\$ 41,328.65	\$ 49,594.38
PHF2070/237C	FERRO SGRS PP 70KW 480V 5S W/S1 20A HORZ	\$ 51,665.98	\$ 61,999.18
PPF2030/237C	SGRS PWR PK 30KW 480V 5S W/S1 20AMP HORZ	\$ 25,152.35	\$ 30,182.82
PPF2050/237C	FERRO SGRS PP 50KW 480V 5S W/S1 20A HORZ	\$ 41,551.33	\$ 49,861.60
PPF2070/237C	FERRO SGRS PP 70KW 480V 5S W/S1 20A HORZ	\$ 51,888.67	\$ 62,266.40
PPF6607/137C	SGRS PWR PK 7.5KW 480V 3S W/S1 6.6A HORZ	\$ 15,086.72	\$ 18,104.06
PPF6607/237C	SGRS PWR PK 7.5KW 480V 5S W/S1 6.6A HORZ	\$ 15,048.95	\$ 18,058.74
PPF6610/137C	SGRS PWR PK 10KW 480V 3S W/S1 6.6A HORZ.	\$ 17,119.92	\$ 20,543.90
PPF6610/237C	SGRS PWR PK 10KW 480V 5S W/S1 6.6A HORZ.	\$ 17,082.15	\$ 20,498.58
PPF6615/137C	SGRS PWR PK 15KW 480V 3S W/S1 6.6A HORIZ	\$ 19,469.63	\$ 23,363.56
PPF6615/237C	SGRS PWR PK 15KW 480V 5S W/S1 6.6A HORIZ	\$ 19,431.87	\$ 23,318.24
PPF6620/137C	SGRS PWR PK 20KW 480V 3S W/S1 6.6A HORIZ	\$ 19,235.95	\$ 23,083.14
PPF6620/237C	SGRS PWR PK 20KW 480V 5S W/S1 6.6A HORIZ	\$ 20,274.65	\$ 24,329.58
PPF6630/137C	SGRS PWR PK 30KW 480V 3S W/S1 6.6A HORIZ	\$ 23,384.30	\$ 28,061.16
PPF6630/237C	SGRS PWRPK 30KW 480 5S W/S1 6.6 HSTAB	\$ 23,800.52	\$ 28,560.62
105A0626/4TS	ALCS - FAST COM CARDS	\$ 529.73	\$ 635.68
105A0866TS	ADVNTech PC REDUND. PS-NEW-OBS.105A0644B	\$ 964.29	\$ 1,157.14
44A6115/RWSLTS	RWSL ADVANTECH INDUSTRIAL COMPUTER T.S.	\$ 5,348.21	\$ 6,417.86
64A0176/16	3/8-16 X 1 HX HD	\$ 0.50	\$ 0.60
64A0196/6	1/4-20 X 3/8 PAN HD PHIL	\$ 0.11	\$ 0.13
72A0320	TERM BLK END	\$ 2.00	\$ 2.40
72A0336	END COVER, FOR PHNX UK5 & UK10 TERM. BLK	\$ 0.70	\$ 0.84
89A0198/9	WIRE 4AWG 600V 105C 19-STRAND	\$ 4.93	\$ 5.91
89A0212	UL: 18/3 SJOW CORD 18AWG 3C: BLK WHT GRN	\$ 2.57	\$ 3.09



Price List - 2018

Part Number	Description	CDA Price	Price List
89A0288/RED	CAT6 4 PAIR 24 AWG - RED (NO ENDS)	\$ 1.70	\$ 2.04
89A0288/YEL	CAT6 4 PAIR 24 AWG - YELLOW (NO ENDS)	\$ 1.70	\$ 2.04
42a0513	ADB LABEL 1.5 X 3.3" PMS298 7 Cool Gray	\$ 7.59	\$ 9.10
42a0513/1	ADB Label 2.85 X 6.3"	\$ 32.97	\$ 39.56
RM0340	WIREWAY 2 X 3 WHITE	\$ 39.93	\$ 47.92
49A0147	LENS, RECT. WHITE	\$ 2.34	\$ 2.81
66A0026/15	#8 SPLIT LOCKWASHER	\$ 0.02	\$ 0.02
70A0304	DISCONNECT TAB .25X.03	\$ 0.27	\$ 0.32
64A0176/24	3/8-16 X 1&1/2 HX HD	\$ 0.91	\$ 1.10
72A0117/1	PCB CONNECTOR FOR LOW VA SIGN 8 POS	\$ 7.07	\$ 8.49
72A0117/8	PCB CONNECTOR FOR LOW VA SIGN 4 POS	\$ 1.52	\$ 1.82
44A5914	ACE FIELD CIRCUIT SENSOR 6.6A	\$ 607.09	\$ 728.51
44A6494	LCD DISPLAY ASSEMBLY	\$ 56.02	\$ 67.22
44A4825/1	BOARD LED DIMMER ASSEMBLY MOD.	\$ 246.64	\$ 295.97
44A6082/H3C	SGRS FERRO REG BAY HORIZ STAB CHICAGO	\$ 23,835.14	\$ 28,602.17
44A6270/1C	SGRS FERRO PP CAB SEIS 4 SING BUS 50/70	\$ 26,409.08	\$ 31,690.90
44A6508/1120	ACEII INT ASSY W/ 2 LOOP MONITORING	\$ 2,697.36	\$ 3,236.83
44A6546/KIT	CONTROL PCB REPL. KIT FOR 44D1475	\$ 412.78	\$ 495.33
44A6944/0003	FERRO SGRS 4-30 KW CAB NON-SEISMIC ORD	\$ 19,735.00	\$ 23,682.00
44A6945/0002	FERRO SGRS 50/70 KW CABINET	\$ 21,804.17	\$ 26,165.00
94A0340/6	CVM MODULE - 6.6A	\$ 978.94	\$ 1,174.73
94A0395/2	CVM/FCS REPLACEMENT KIT, 20A CCT, CCF	\$ 2,320.53	\$ 2,784.63
94A0395/3	CVM/FCS REPLACEMENT KIT, COMBO BOX, 6.6A	\$ 883.92	\$ 1,060.70
94A0395/4	CVM/FCS REPLACEMENT KIT, COMBO BOX, 20A	\$ 2,286.92	\$ 2,744.30
94A0433-6	SURGE ARR. KIT, SIG. SRS. REGULATOR, 6KV	\$ 363.11	\$ 435.73
94A0573	SGRS OVP RETRO-FIT KIT	\$ 1,414.11	\$ 1,696.93
28A0028	DUAL SCR MOD. ASSY 500A, 1600V	\$ 419.64	\$ 503.57
35A0546	XFMR T4, CONTROL POWER FOR CHF 15KW-30KW	\$ 123.45	\$ 148.14
44A4704/1	2.8-6.6A TO DC OUTPUT PS	\$ 149.41	\$ 179.29
44A4752	SNUBBER NETWORK AND TIME DELAY	\$ 51.50	\$ 61.80
44A4800/1	ACE I/O PCB	\$ 442.70	\$ 531.24
44A4801	ACE PROCESSOR PCB	\$ 285.82	\$ 342.99
44A4802	ACE LOM 3-CHANNEL PCB ASSY	\$ 704.89	\$ 845.87
44A4802/1	ACE LAMPS OUT PCB 1-CHANNEL	\$ 236.36	\$ 283.63
44A4802/2	ACE LOM 2-CHANNEL PCB ASSY	\$ 431.05	\$ 517.26
44A4803	ACE DISPLAY PCB	\$ 236.57	\$ 283.89
44A4824/1	LC SNUBBER NETWORK 240V & 480V	\$ 87.61	\$ 105.13
44A4829	PULSE STRETCH PCB FOR MW TRANSCEIVER	\$ 89.14	\$ 106.97
44A4850	ACE POWER SUPPLY PCB	\$ 94.16	\$ 112.99
44A5867/1	PCB ASSY 24V FIELD PWR SUPPLY	\$ 267.86	\$ 321.43
44A5907	PCB ASSY ACE PWR TERM. BLK.	\$ 65.39	\$ 78.47
44A5928	PCB ASSY LAHSO CTRL SMD VER.	\$ 1,504.93	\$ 1,805.91
44A5943	PCB ASSY LAHSO PS SMD VER.	\$ 1,165.14	\$ 1,398.17
44A5968/1	ROTARY SWITCH LABEL 5 STEP	\$ 14.27	\$ 17.12
44A5968/2	ROTARY SWITCH LABEL 3 STEP	\$ 59.82	\$ 71.79
44A5998/0	PCB ASSY DEPOP STEP SWITCH	\$ 90.34	\$ 108.41
44A5998/1	PCB ASSY URC DSPLY/STEP SWTCH-NO DISPLAY	\$ 129.07	\$ 154.89
44A6035	PCB ASSY URC-II LAHSO SMT	\$ 291.43	\$ 349.71
44A6035/1	PCB ASSY URC-II FERRO REGULATOR	\$ 237.50	\$ 285.00



Price List - 2018

Part Number	Description	CDA Price	Price List
44A6114	ACE DUAL I/O PCB ASSY.	\$ 1,514.95	\$ 1,817.94
44A6166	PCB ASSY 8-PIN HDR/SW ADAPTOR	\$ 92.75	\$ 111.30
44A6175	IOXTENDER PCB ASSY.	\$ 473.00	\$ 567.60
44A6178	PCB ASSY 34-PIN HDR/SW ADAPTOR 3-STEP	\$ 42.34	\$ 50.81
44A6178/5	5 STEP BRIGHTNESS CONTROL PCB CCF	\$ 42.34	\$ 50.81
44A6326/10	CIRCUIT VOLTAGE MONITOR ASSY,6.6 AMP	\$ 349.89	\$ 419.87
44A6326/10/8	CVM ASSY,6.6 AMP W/ 8FT LEADS	\$ 497.64	\$ 597.17
44A6326/11	CIRCUIT VOLTAGE MONITOR ASSY,20 AMP	\$ 500.36	\$ 600.43
44A6377	ACE II MAIN CTRL PCB, ENHANCED	\$ 493.98	\$ 592.78
44A6397	PCB ASSY, ACE II IRMS-LI (LOW IMPEDANCE)	\$ 259.61	\$ 311.53
44A6477/1/0400	PCB ASSY,LED UNIV AC PS, 400mA, W/BRKT	\$ 64.91	\$ 77.89
44A6506	ACE II REMOTE SWITCH PCB ASSY.	\$ 31.41	\$ 37.69
44A6546	CONTROL PCB FOR CCT CCR 50/60HZ	\$ 183.00	\$ 219.60
44A6744	PCB ASSY 34-PIN SW BD W/RELAY OUTPUT	\$ 169.68	\$ 203.61
44A6908/1	PCB ASSY, APS PS FOR ADB-BE ITEL	\$ 64.80	\$ 77.76
44A6923	PCB ASSY, APS ITCL PWR SUPPLY BD.	\$ 111.77	\$ 134.12
44A6977	PCB ASSY, APS F-RANGE PS (ITCF: 1000mA)	\$ 77.02	\$ 92.42
44A6977/1	PCB ASSY, APS F-RANGE PS (ITEL: 700mA)	\$ 82.16	\$ 98.59
44B1035	L841 RELAY INTRFCE PCB#1 48VDC	\$ 563.09	\$ 675.71
44B1036	L841 RELAY INTRFCE PCB#2 48VDC	\$ 563.09	\$ 675.71
44B1037	L841 RELAY INTRFCE PCB#3 48VDC	\$ 557.27	\$ 668.72
44B1038	L841 RELAY INTRFCE PCB#4 48VDC	\$ 562.43	\$ 674.91
44B1171	L828 SCR NETWORK PCB ASSY.	\$ 181.80	\$ 218.16
44B1235/1	L828 INTERFACE PCB 3-STEP	\$ 512.61	\$ 615.13
44B1235/2	L828 INTERFACE PCB 5-STEP	\$ 364.71	\$ 437.66
44B2635	FAILSAFE SELECT PCB ASSY	\$ 376.46	\$ 451.76
44C2455	TIME DELAY ON/OFF PCB ASSEMBLY	\$ 201.79	\$ 242.14
44C2455/1	TIME DELAY OFF PCB	\$ 185.25	\$ 222.30
47A0087	FUSE 60A 600V	\$ 14.48	\$ 17.38
47A0088	FUSE 50A 600V	\$ 14.46	\$ 17.36
47A0094	FUSE 70A 250V	\$ 17.66	\$ 21.19
47A0097	FUSE 90A 600V	\$ 17.66	\$ 21.19
47A0187	FUSE 3A 500V SLO-BLO MIDGET	\$ 7.98	\$ 9.58
47A0194	FUSE 1/4A 600V	\$ 8.09	\$ 9.71
53A0412/40	CONT 2P 40 FLA 120VAC COIL	\$ 101.00	\$ 121.20
53A0412/50	CONT 2P 50 FLA 120VAC COIL	\$ 129.30	\$ 155.16
53A0412/75	CONT 2P 75 FLA 120VAC COIL	\$ 214.36	\$ 257.23
56A0427/L	SGRS FERRO END COVER PLATE L	\$ 267.41	\$ 320.89
56A0427/R	SGRS FERRO END COVER PLATE R	\$ 262.73	\$ 315.28
56A0488/0001	SGRS, FERRO, CONTROL BAY	\$ 5,154.68	\$ 6,185.61
56A0534/0001	SGRS FERRO ICP BAYw/ MTR & 800A CKT BRKR	\$ 5,481.45	\$ 6,577.74
60A2701	SGRS FERRO BUSBAR SMALL JMP	\$ 33.54	\$ 40.24
60A2702	SGRS FERRO BUSBAR LARGE JMP	\$ 31.41	\$ 37.69
89A0087/1	8AWG WIRE 40KVDC 150C WHITE	\$ 19.34	\$ 23.21
30787	SART, International Battery charger	\$ 110.71	\$ 132.86
105A0029	I/O MODULE OUTPUT 8PT 5-24VDC	\$ 413.84	\$ 496.61
105A0031	I/O MODULE RELAY 4PT 5-24V	\$ 280.66	\$ 336.79
105A0034	POWER SUPPLY I/O PS-931	\$ 243.04	\$ 291.64
105A0049	CARD ACL SERIAL INTRFCE 8 CHNL	\$ 1,025.00	\$ 1,230.00



Price List - 2018

Part Number	Description	CDA Price	Price List
105A0052	SURGE ARR LIGHTNING MODEL 22	\$ 169.64	\$ 203.57
105A0064	SURGE ARR LIGHTNING RS422	\$ 162.86	\$ 195.43
105A0080/1	CARD A/D CONVERTER - GEN. III	\$ 1,517.86	\$ 1,821.43
105A0091	CABLE PRINTER 10FT	\$ 21.18	\$ 25.41
105A0108	I/O MODULE OUTPUT 8PT 24V .5A	\$ 322.18	\$ 386.61
105A0111	BRITE II RS232/RS422 MODULE CONVERTER	\$ 194.64	\$ 233.57
105A0163	ISOBAR SURGE PROTECTOR 4OUTLET	\$ 65.50	\$ 78.60
105A0168	MODEM SH OPTICALLY ISOLATED	\$ 194.64	\$ 233.57
105A0192	SURGE PROTECTOR ISOBAR 6OUTLET	\$ 73.66	\$ 88.39
105A0196/51	TRM P CABLE RJ12/RJ12 6C 25FT	\$ 22.32	\$ 26.79
105A0234/1	TRANSCEIVER FIBER OPTIC RS232M	\$ 696.43	\$ 835.71
105A0269	PLC SIEMENS S7-214 120VAC VER	\$ 589.29	\$ 707.14
105A0279	EEPROM FOR S7-214	\$ 89.29	\$ 107.14
105A0281	PROGRAM CABLE FOR S7-200	\$ 349.38	\$ 419.25
105A0292	PWR CORD 3COND 7.5FT 125V 10A	\$ 21.88	\$ 26.25
105A0294	S7-200 RS-485 CONN W/O PRG INT	\$ 89.54	\$ 107.44
105A0294/35	S7-200 RS-485 CONN W/O PRG INT	\$ 80.68	\$ 96.81
105A0295	S7-200 RS-485 CONN W PRG INT	\$ 115.95	\$ 139.14
105A0295/35	S7-200 RS-485 CONN W PRG INT	\$ 107.57	\$ 129.09
105A0296	PLC S7-214 120VAC PWR 24V I/O	\$ 481.68	\$ 578.01
105A0297	8PT 24VDC INPUT FOR S7-214	\$ 123.86	\$ 148.63
105A0298	8PT 24VDC OUTPUT FOR S7-214	\$ 128.57	\$ 154.29
105A0302	CARD ET200 CP5412(A2) ENGL DOC	\$ 1,660.80	\$ 1,992.96
105A0302/1	CARD ET-200 GEN. III	\$ 1,850.64	\$ 2,220.77
105A0302/2	ET200 SIMATIC NET CARD	\$ 2,381.70	\$ 2,858.04
105A0306	8PT RELAY OUTPUT FOR S7-214	\$ 242.02	\$ 290.42
105A0310	MONITOR 17" SVGA 1280x1024	\$ 342.86	\$ 411.43
105A0327/3	CONN RJ45 RECEPT/DB25 MALE	\$ 12.14	\$ 14.57
105A0330	CABLE VME 64 COND 6FT	\$ 0.02	\$ 0.02
105A0334/1	MODULAR JACK RJ45/RJ45 RT ANGL	\$ 0.02	\$ 0.02
105A0335/06XVR	CABLE 10BASET 4UTP RJ45M/M 6' CROSSOVER	\$ 9.32	\$ 11.19
105A0335/1	CAT 5 ETHERNET CABLE 1 FT	\$ 4.89	\$ 5.87
105A0335/10	CAT 5 ETHERNET CABLE 10 FT	\$ 4.77	\$ 5.72
105A0335/100	CAT 5 ETHERNET CABLE 100 FT	\$ 80.27	\$ 96.32
105A0335/5	CAT5 ETHERNET CABLE 5 FT	\$ 16.52	\$ 19.82
105A0335/50	CAT 5 ETHERNET CABLE 50 FT	\$ 38.00	\$ 45.60
105A0336	PS2 MOUSE	\$ 16.63	\$ 19.95
105A0347	PRINTER LASERJET B & W	\$ 220.09	\$ 264.11
105A0347/230	PRINTER LASERJET B & W 230V	\$ 634.20	\$ 761.04
105A0347/HP	HEWLETT PACKARD PRINTER LASERJET B & W	\$ 394.86	\$ 473.83
105A0348	CARD VME CPU 486DX4 100MHz 8MB	\$ 0.02	\$ 0.02
105A0360	CHASSIS VME DUAL 6SLT W/250WPS	\$ 0.02	\$ 0.02
105A0373	VME I/O TRANSITION PNL 6U RJ45	\$ 0.02	\$ 0.02
105A0376	CABLE VIDEO 15PIN M/F 10FT	\$ 51.70	\$ 62.04
105A0377	EXTENSION CABLE MOUSE/KEYBOARD	\$ 29.64	\$ 35.57
105A0406	TEMP/HUMIDITY LOGGER	\$ 5,000.00	\$ 6,000.00
105A0407	CABLE FOR HUMIDITY PROBE 1FT	\$ 176.79	\$ 212.14
105A0408	HUMIDITY CALIBRATION KIT	\$ 1,071.43	\$ 1,285.71
105A0409	PROBE WIDE RANGE RH/TEMP 12"L	\$ 1,776.79	\$ 2,132.14



Price List - 2018

Part Number	Description	CDA Price	Price List
105A0410	PWR SUPPLY HUMID/TEMP 115V/60H	\$ 29.46	\$ 35.36
105A0427/2	CONN BOX DIGI 8 PORT RJ45	\$ 101.14	\$ 121.37
105A0427/3	CABLE DIGI 8 PORT DB9M 3.5FT	\$ 160.71	\$ 192.86
105A0427/7	CABLE DIGI 4 PORT DB25F 3.5FT	\$ 62.50	\$ 75.00
105A0427/8	CABLE DIGI 4 PORT DB9M 3.5FT	\$ 89.64	\$ 107.57
105A0427/9	CABLE DIGI 4 PORT DB9F 3.5FT	\$ 59.57	\$ 71.49
105A0430/1	FIBER OPTIC TRANSMITTER MUTI-MODE	\$ 799.11	\$ 958.93
105A0430/1S	SINGLE MODE FIBER OPTIC TRANSMITTER	\$ 973.21	\$ 1,167.86
105A0430/2	FIBER OPTIC RECIEVER MUTI-MODE	\$ 799.11	\$ 958.93
105A0430/2S	SINGLE MODE FIBER OPTIC RECEIVER	\$ 973.21	\$ 1,167.86
105A0445	ANTENNA 900MHZ YAGI	\$ 220.98	\$ 265.18
105A0445/9DB	ANTENNA 900MHZ YAGI 9DB	\$ 57.13	\$ 68.55
105A0451	ANTENNA 900MHz OMNI DIRECTIONAL	\$ 96.43	\$ 115.71
105A0454/2	FBR TRSVR ETHR MM 850NM ST 10/10	\$ 184.20	\$ 221.04
105A0454/3	FBR TRSVR ETHR MM 1300NM ST 10/10	\$ 624.39	\$ 749.27
105A0454/4	FBR TRSVR RS232 SERIAL MM 1300NM ST	\$ 305.59	\$ 366.71
105A0454/5	FBR TRSVR MM 1300NM ST 100/100	\$ 270.41	\$ 324.49
105A0454/7	FBR TRSVR RS232 SERIAL MM 1300NM ST	\$ 273.54	\$ 328.24
105A0454/8	FBR TRSVR MM 1550NM SC 100/100	\$ 408.93	\$ 490.71
105A0455	POWER CORD 6.5FT 10AMP 125V	\$ 10.41	\$ 12.49
105A0458	SDRAM 64MB 168 PIN DIMM	\$ 146.43	\$ 175.71
105A0460	CABLE 6PIN MINI DIN M/M 3FT	\$ 25.71	\$ 30.86
105A0460/10	CABLE 6PIN MINI DIN M/M 10FT	\$ 32.05	\$ 38.46
105A0461	CABLE 15PIN MONITOR M/M 3FT	\$ 32.82	\$ 39.39
105A0461/10	CABLE 15PIN MONITOR M/M 10FT	\$ 46.41	\$ 55.69
105A0473/002	FIBER CABLE 2 METER LENGTH 1MM PLASTIC	\$ 31.14	\$ 37.37
105A0474/10	CABLE ANT LMR-400 SNM-SNF 10'	\$ 89.29	\$ 107.14
105A0474/15	CABLE ANT LMR-400 SNM-SNF 15'	\$ 167.86	\$ 201.43
105A0474/20	CABLE ANT LMR-400 SNM-SNF 20'	\$ 192.86	\$ 231.43
105A0474/30	CABLE ANT LMR-400 SNM-SNF 30'	\$ 160.71	\$ 192.86
105A0474/35	CABLE ANT LMR-400 SNM-SNF 35'	\$ 228.57	\$ 274.29
105A0474/40	CABLE ANT LMR-400 SNM-SNF 40'	\$ 228.57	\$ 274.29
105A0474/50	CABLE ANT LMR-400 SNM-SNF 50'	\$ 342.86	\$ 411.43
105A0474/55	CABLE ANT LMR-400 SNM-SNF 55'	\$ 253.57	\$ 304.29
105A0474/60	CABLE ANT LMR-400 SNM-SNF 60'	\$ 345.54	\$ 414.64
105A0474/75	CABLE ANT LMR-400 SNM-SNF 75'	\$ 401.79	\$ 482.14
105A0475/24	ANTENNA PARABOLIC GRID 24DBI	\$ 98.20	\$ 117.84
105A0477/CNF	RADIO 2.4MBPS PT/MPT CLIENT	\$ 241.07	\$ 289.29
105A0477/SMA	SMA TO N CONNECTOR	\$ 53.57	\$ 64.29
105A0477/SNF	RADIO 2.4MBPS PT/MPT SERVER	\$ 241.07	\$ 289.29
105A0478	POWER AMP WITH DC INJECTOR	\$ 1,339.29	\$ 1,607.14
105A0479/01	CABLE ANT LMR-240 N-MALE TO N-MALE 1'	\$ 80.36	\$ 96.43
105A0479/03	CABLE ANT LMR-240 N-MALE TO N-MALE 3'	\$ 78.57	\$ 94.29
105A0479/05	CABLE ANT LMR-240 SNM-SNM 7'	\$ 104.46	\$ 125.36
105A0479/10	CABLE ANT LMR-240 SNM-SNM 10'	\$ 100.00	\$ 120.00
105A0479/15	CABLE ANT LMR-400 SNM-SNM 15'	\$ 85.71	\$ 102.86
105A0479/20	CABLE ANT LMR-400 SNM-SNM 20'	\$ 241.07	\$ 289.29
105A0479/40	CABLE ANT LMR-400 SNM-SNM 40'	\$ 200.00	\$ 240.00
105A0479/50	CABLE ANT LMR-400 SNM-SNM 50'	\$ 321.43	\$ 385.71



Price List - 2018

Part Number	Description	CDA Price	Price List
105A0479/60	CABLE ANT LMR-400 SNM-SNM 60'	\$ 314.29	\$ 377.14
105A0481/4	COMM CARD RS-422 4-PORT	\$ 784.59	\$ 941.51
105A0484	SOUND CARD PCI	\$ 53.55	\$ 64.26
105A0487/20	CABLE ANT LMR-400 SNM-UNEF 20'	\$ 128.57	\$ 154.29
105A0487/30	CABLE ANT LMR-400 SNM-UNEF 30'	\$ 228.57	\$ 274.29
105A0488/05	ANT OMNI WHIP 2.4 GHZ 5DBI BODYMNT SMA	\$ 76.61	\$ 91.93
105A0488/12	ANTENNA OMNI DIRECTIONAL 12DBI	\$ 69.64	\$ 83.57
105A0489/24	LIGHTNING ARRESTOR 1.8-6 GHZ	\$ 129.61	\$ 155.53
105A0489/24RP	LIGHTNING ARREST 2.4GHz REV POLARITY	\$ 160.71	\$ 192.86
105A0489/900	LIGHTNING ARREST ANT 900MHZ	\$ 92.23	\$ 110.68
105A0489/W	LIGHTNING ARREST WATER PROOFING KIT	\$ 37.79	\$ 45.34
105A0490/1	DOCKING STATION FOR LAPTOP	\$ 714.29	\$ 857.14
105A0493	SWITCH COMPUTER SELECTOR	\$ 315.14	\$ 378.17
105A0493/4	SWITCH SELECT SWITCHVIEW 4PC	\$ 320.43	\$ 384.51
105A0500/12P	KEYBOARD PS/2 88 KEYS 12.5"	\$ 15.18	\$ 18.21
105A0500/16P	KEYBOARD PC-AT 101 KEYS 16.5"	\$ 20.84	\$ 25.01
105A0500/18P	KEYBOARD PC-AT 104 KEYS 18.5"	\$ 31.71	\$ 38.06
105A0503	PWR CORD ASSY 6.5' 10A BRIT.	\$ 50.67	\$ 60.80
105A0519/1	TERM SERVER DB9/ETHERNET HUB	\$ 2,028.57	\$ 2,434.29
105A0520	MICROWAVE TRANSCEIVER OUTDOOR	\$ 6,160.71	\$ 7,392.86
105A0520/TR	MICROWAVE TRANSMITTER / RECIEVER	\$ 4,187.50	\$ 5,025.00
105A0531	SWITCH UPS BYPASS 500VA-3.1KVA	\$ 478.57	\$ 574.29
105A0535/100	HARD DRIVE 10GB	\$ 95.98	\$ 115.18
105A0535/600	HARD DRIVE 60GB	\$ 149.45	\$ 179.34
105A0535/800	HARD DRIVE 80GB EIDE	\$ 92.82	\$ 111.39
105A0535/WDR	HARD DRIVE 160GB EIDE SERIAL ATA 1.0	\$ 87.91	\$ 105.49
105A0537/1000	VIDEO EXTENDER LONGVIEW W/ AUDIO	\$ 1,244.05	\$ 1,492.86
105A0537/800	VIDEO EXTENDER LONGVIEW W/ AUDIO	\$ 791.84	\$ 950.21
105A0542	ADAPTER DB9/F TO RJ45/F	\$ 12.14	\$ 14.57
105A0543/1	CABLE DB9 M/F EXT. 1FT, LVW TO TCH	\$ 12.48	\$ 14.98
105A0543/6	CABLE DB9 M/F EXT.6FT, LVW TO TCH	\$ 24.68	\$ 29.61
105A0545	MODEM/FAX 56K PCI INTERNAL	\$ 33.20	\$ 39.84
105A0546	CABLE NULL MDM UNIV.DB9/DB25	\$ 26.98	\$ 32.38
105A0554/6	CABLE AUDIO 1/8" MINIPLUG M/M	\$ 25.29	\$ 30.34
105A0555	SPEAKER PAIR AMP W/AC ADAPTER	\$ 16.11	\$ 19.33
105A0556/4	DB25 GENDER CHANGER F/F	\$ 13.50	\$ 16.20
105A0559/1	INTEL PRO/1000 GT DESKTOP ADAPTOR	\$ 60.70	\$ 72.84
105A0559/3	INTEL EXPI930CT 10/100/1000MBPS	\$ 66.05	\$ 79.26
105A0559/4	10/100 32-BIT PCMCIA NETWORK CARD	\$ 35.70	\$ 42.84
105A0565	ACE TO TERM SVR. DB9 COM. CON.	\$ 99.95	\$ 119.94
105A0565/232	SERIAL DB9 COM. CON.	\$ 80.57	\$ 96.69
105A0565/32	DB9 COM. CON. FOR ACE COM WIN 32	\$ 78.59	\$ 94.31
105A0566	HP PROCURVE 10BASE-T HUB 8-PRT	\$ 85.89	\$ 103.07
105A0572	LIGHT & SURGE PROTECT CARD	\$ 566.07	\$ 679.29
105A0573/01	DIA. STEALTHIII S540 PCI 32MB	\$ 176.79	\$ 212.14
105A0575	FBR TRSVR ETHR SM 1310NM ST 10/10 12MI	\$ 240.41	\$ 288.49
105A0575/1	FBR TRSVR RS232/422/485 SRL SM 1310NM ST	\$ 819.64	\$ 983.57
105A0575/2	OBSOLETE FBR TRSVR ETHR SM 1310NM ST 10/	\$ 555.36	\$ 666.43
105A0575/3	FBR TRSVR ETHR SM 1310NM SC 100/100	\$ 766.07	\$ 919.29



Price List - 2018

Part Number	Description	CDA Price	Price List
105A0575/4	FBR TRSVR ETHR SM 1310NM ST 100/100	\$ 765.59	\$ 918.71
105A0575/5	FBR TRSVR RS232 SERIAL SM 1310NM SC	\$ 666.86	\$ 800.23
105A0575/6	FBR TRSVR RS232 SERIAL SM 1310NM SC	\$ 819.64	\$ 983.57
105A0578	MODEM SHORT HAUL RS232 4-WIRE	\$ 176.79	\$ 212.14
105A0580/1	TOUCH SCREEN LCD 15" RACK	\$ 4,662.50	\$ 5,595.00
105A0581/1	CARD SERIAL EXPANS XE/ 4 PORT	\$ 678.57	\$ 814.29
105A0581/2	CARD SERIAL EXPANS XE/ 8 PORT	\$ 836.54	\$ 1,003.84
105A0581/8	DIGI 8 Port DB-25 DTE Connect	\$ 136.52	\$ 163.82
105A0582/1	TOUCH SCREEN LCD 18" RACK D2Z	\$ 9,651.79	\$ 11,582.14
105A0583/2	RS-232 CONN KIT DB25 F	\$ 17.68	\$ 21.21
105A0583/3	RS-232 CONN KIT DB9 M	\$ 9.88	\$ 11.85
105A0583/4	RS-232 CONN KIT DB9 F	\$ 9.57	\$ 11.49
105A0583/TOL	D-STYLE CRIMP TOOL	\$ 162.79	\$ 195.34
105A0587/3	CARD SER EXPANS XE/4PORT DB9F RS-422	\$ 413.29	\$ 495.94
105A0587/4	CARD SER EXPANS XE/8PORT DB9F RS-422	\$ 763.45	\$ 916.14
105A0590/1	TOUCH SCREEN LCD 20" RACK D2Z	\$ 12,860.71	\$ 15,432.86
105A0591/18	ANTENNA PATCH 18DBI	\$ 446.43	\$ 535.71
105A0591/5	ANTENNA PATCH 5DBI 2.4GHz	\$ 446.43	\$ 535.71
105A0591/8	ANTENNA PATCH 8DBI 2.4 GHz	\$ 446.43	\$ 535.71
105A0599	CD-WRITER 9500I	\$ 50.00	\$ 60.00
105A0605/08	10B-TX10B-FL MM 850NM ST	\$ 200.23	\$ 240.28
105A0605/13	10B-TX10B-FL MM 1300NM ST	\$ 643.80	\$ 772.56
105A0606	ETHERNET SWITCH, 12 PORT, 10/100BT, RACK	\$ 582.00	\$ 698.40
105A0607	120VAC REDUNDANT SUPPLY FOR CONV. CTR.	\$ 391.82	\$ 470.19
105A0608	BROTHER HL-3040CN	\$ 453.14	\$ 543.77
105A0608/230	BROTHER HL-3040CN 230V	\$ 441.91	\$ 530.29
105A0609	CPU BOARD SBC1188-ET	\$ 405.36	\$ 486.43
105A0611	MODEM PC/104	\$ 230.36	\$ 276.43
105A0618	ANTENNA SPLITTER	\$ 903.20	\$ 1,083.84
105A0622/2	CARD SERIAL PCI 2PORT	\$ 44.25	\$ 53.10
105A0626/2	FastComm422/2 PCI - 335	\$ 444.64	\$ 533.57
105A0626/4	FASTCOM 422/4 PCI - 335	\$ 529.73	\$ 635.68
105A0627/03S	UPS, 350VA, 210W, 120V, STANDALONE	\$ 101.79	\$ 122.14
105A0627/04S	UPS, 420VA, 260W, 120V, STANDALONE	\$ 175.00	\$ 210.00
105A0627/04SB	APC BATTERY CARTRIDGE #2 420VA	\$ 57.14	\$ 68.57
105A0627/06S	UPS, 620VA, 390W, 120V, STANDALONE	\$ 255.36	\$ 306.43
105A0627/07R	UPS, 750VA, 480W, 120V, RM, 2U, BL	\$ 519.64	\$ 623.57
105A0627/10B	APC BATTERY CARTRIDGE #23 1000VA RCKMNT	\$ 396.43	\$ 475.71
105A0627/10R	UPS, 1000VA, 670W, 120V, RM, 2U, BL TO	\$ 830.36	\$ 996.43
105A0627/10R2	UPS, 1000VA, 640W, 230V, RM, 2U	\$ 1,053.57	\$ 1,264.29
105A0627/14B	APC BATTERY CARTRIDGE #24 1500VA RCKMNT	\$ 480.36	\$ 576.43
105A0627/14R	UPS, 1500VA, 980W, 120V, RM, 2U, BL	\$ 1,008.93	\$ 1,210.71
105A0627/22B	APC BATTERY CARTRIDGE #43 2200VA RCKMNT	\$ 523.21	\$ 627.86
105A0627/22R	UPS, 2200VA, 1600W, 120V, RM, 2U, BL	\$ 1,500.00	\$ 1,800.00
105A0627/22R2	UPS, 2200VA, 1980W, 230V, RM, 2U	\$ 1,708.93	\$ 2,050.71
105A0627/30A	30A OUTPUT KIT RACK MOUNT 3U	\$ 116.07	\$ 139.29
105A0627/30A2	30A OUTPUT KIT RACK MOUNT 2200VA 2U	\$ 128.57	\$ 154.29
105A0627/30A3	30A OUTPUT KIT RACK MOUNT 3000VA 3U	\$ 123.21	\$ 147.86
105A0627/30R	UPS, 3000VA, 2400W, 120V, RM, 3U, BL	\$ 2,092.86	\$ 2,511.43



Price List - 2018

Part Number	Description	CDA Price	Price List
105A0627/30R2	UPS, 3000VA, 2850W, 230V, RM, 2U, BL	\$ 2,637.50	\$ 3,165.00
105A0627/30S	UPS, 3000VA, 2250W, 120V, STANDALONE	\$ 1,903.57	\$ 2,284.29
105A0627/30X	30A OUTPUT KIT STAND ALONE	\$ 116.07	\$ 139.29
105A0627/48V	BATTERY FOR /30R, 48V, RM, 3U, BL	\$ 1,080.36	\$ 1,296.43
105A0627/75B	APC BATTERY CARTRIDGE #7	\$ 246.43	\$ 295.71
105A0627/75S	SEE 105A0987/075X	\$ 810.05	\$ 972.06
105A0627/75STS	UPS SMART 750VA USB XL 120V TECH SERVICE	\$ 958.13	\$ 1,149.75
105A0627/ATS	APC RACK AUTOMATIC TRANSFER SWITCH	\$ 1,041.00	\$ 1,249.20
105A0627/BAT	APC BATTERY CARTRIDGE #12	\$ 480.36	\$ 576.43
105A0627/RMC	REMOTE MONITORING CARD	\$ 573.21	\$ 687.86
105A0627/SBP	BATTERY FOR /30S, STAND ALONE	\$ 873.21	\$ 1,047.86
105A0628/2	CONVERTER WALL MT. BRACKETS	\$ 14.73	\$ 17.68
105A0628/3	FIBER DRIVER WALL MOUNT BRACKET 3.2"	\$ 16.09	\$ 19.31
105A0629	DESK STAND FOR TOUCHSCREEN	\$ 533.93	\$ 640.71
105A0630/17T	MONITOR 17" LCD FLAT TABLE MOUNT	\$ 226.34	\$ 271.61
105A0631	ALCS LITE KEYBOARD & MOUSE TRAY 30" WIDE	\$ 128.66	\$ 154.39
105A0632	TOUCHSCREEN & PC (ALL IN ONE)	\$ 5,705.36	\$ 6,846.43
105A0633	FIBER TRANSCVR SM 10BASE-T-FL 1300NM 'SC'	\$ 624.75	\$ 749.70
105A0643	PRINTER COLOR LASERJET HP CP2025N	\$ 3,798.75	\$ 4,558.50
105A0644	ADVANTECH HOT SWAP P.S. 2 PS IN CAGE	\$ 892.86	\$ 1,071.43
105A0644/B	ADVAN. HOT SWAP P.S. INDIVIDUAL MODULE	\$ 357.14	\$ 428.57
105A0645	FIBER OPTIC CONV CTR 13 PT CHASSIS	\$ 616.36	\$ 739.63
105A0646	ALCS ENCL. TOP-MOUNT AIR COND. 4000 BTU	\$ 3,085.91	\$ 3,703.09
105A0648	HP PROCURVE SWITCH	\$ 139.64	\$ 167.57
105A0649	MODEM, WIRELESS, PCMCIA	\$ 624.98	\$ 749.98
105A0678	SINGLE CHANNEL LOOP DETECTOR, 12VDC	\$ 410.71	\$ 492.86
105A0679	MOUSE, OPTICAL, USB & PS2 (BLACK)	\$ 20.48	\$ 24.58
105A0681	DC TO AC PWR. INVERTER, 300 WATT, DUAL OUT	\$ 80.41	\$ 96.49
105A0681/400	DC TO AC PWR INVERTER 400 WATT DUAL OUT	\$ 50.88	\$ 61.05
105A0683	STD. 2.5 INCH 80 GIG NOTEBOOK HARD DRIVE	\$ 339.29	\$ 407.14
105A0684	HP PROCURVE SWITCH 8 PORT	\$ 102.20	\$ 122.64
105A0684/16	HP PROCURVE SWITCH 16 PORT	\$ 312.50	\$ 375.00
105A0685/01	CABLE ANT ULTRA FX SNM-SNM 1'	\$ 62.50	\$ 75.00
105A0685/10	CABLE ANT ULTRA FX SNM-SNM 10'	\$ 98.21	\$ 117.86
105A0686	PHONE LINE SURGE PROTECTOR	\$ 17.77	\$ 21.32
105A0687/02	PLC S7-313 120VAC PWR 24V I/O COMPACT	\$ 1,825.36	\$ 2,190.43
105A0687/03	S7314-2DP COMPACT PLC, 24 VDC POWER	\$ 2,626.07	\$ 3,151.29
105A0688/02	PLC POWER SUPPLY 120VAC IN 24VDC OUT 5A	\$ 262.96	\$ 315.56
105A0688/03	SITOP DIN RAIL PWR SUPPLY 24VDC, 10AMPS	\$ 415.86	\$ 499.03
105A0688/04	POWER SUPPLY, 120/230VAC 24VDC, 20AMP	\$ 582.54	\$ 699.04
105A0688/05	POWER SUPPLY, 115/230VAC 48VDC, 6AMP	\$ 608.04	\$ 729.64
105A0689/64	MICRO MEMORY CARD 64K, S7-300	\$ 80.68	\$ 96.81
105A0690/01	IM-151 PROFIBUS MODULE W/ CU INTERFACE	\$ 488.57	\$ 586.29
105A0690/02	PROFIBUS OPTICAL LINK MODULE	\$ 1,043.61	\$ 1,252.33
105A0690/03	IM 153 PROFIBUS MODULE W/ CU INTERFACE	\$ 535.71	\$ 642.86
105A0694/01	PLC S7300 INPUT CARD 16PT 24VDC	\$ 337.59	\$ 405.11
105A0694/02	INPUT CARD, 16 POINT, 120VAC 20 PIN CONN	\$ 462.34	\$ 554.81
105A0695/01	PLC S7300 OUTPUT CARD 16PT DIGITAL 24VDC	\$ 378.13	\$ 453.75
105A0695/02	PLC S7300 OUTPUT CARD 8PT RLY 2A SINGLE	\$ 440.32	\$ 528.39



Price List - 2018

Part Number	Description	CDA Price	Price List
105A0696/20	PLC S7300 20 PIN CONNECTOR SCREW TYPE	\$ 49.91	\$ 59.89
105A0696/40	PLC S7300 40 PIN CONNECTOR SCREW TYPE	\$ 73.61	\$ 88.33
105A0697	PLC S7300 MOUNTING RAIL	\$ 50.21	\$ 60.26
105A0697/21	DIN MOUNTING RAIL, 21"	\$ 70.77	\$ 84.92
105A0698	VETRA CUSTOM AUDIO/VIDEO/SERIAL SWITCH	\$ 730.36	\$ 876.43
105A0699	DUAL FAN ASSEMBLY - ADVANTECH REPLACEMENT	\$ 85.71	\$ 102.86
105A0700	HP LASERJET 2300L PRINTER	\$ 944.04	\$ 1,132.84
105A0701	HP IEEE 1284 BIDIRECTIONAL CBL, 3 METER	\$ 25.45	\$ 30.54
105A0702	ULTRA SLIM 12.1 LCD RES TS-PC (ALL N 1)	\$ 4,633.93	\$ 5,560.71
105A0703	DESKTOP STAND FOR (105A0702)	\$ 116.07	\$ 139.29
105A0705	FIBER PATCH PANEL W/ CBL TRAY 48 TERM.	\$ 1,398.11	\$ 1,677.73
105A0705/12	FIBER PATCH & SPLICE PANEL, 12 TERM.	\$ 1,037.50	\$ 1,245.00
105A0705/SC	FBR PATCH PANEL W/ CBL TRAY 48 TERM. SC	\$ 3,048.21	\$ 3,657.86
105A0706	FIBER CONVERSION CENTER 1 PWR SPLY	\$ 567.86	\$ 681.43
105A0707	REDUNDANT PWR SPLY FOR (105A0706)	\$ 367.86	\$ 441.43
105A0708	MANAGEMENT MONITOR FOR (105A0706)	\$ 414.29	\$ 497.14
105A0709/100	FBR DRVRS 100 BASE-T, SC (FOR 105A0706) SM	\$ 599.32	\$ 719.19
105A0709/100ST	FBR DRVRS 100 BASE-T, ST, MM (W/105A0706)	\$ 320.09	\$ 384.11
105A0710	HP PROCURVE NETWORKING SWITCH 24 PORT	\$ 349.80	\$ 419.76
105A0711	Fiber media convtr SM RS-232/422/485	\$ 714.29	\$ 857.14
105A0715	PROFIBUS CONN, 90 DEGREE W/TERM. RESIST.	\$ 80.68	\$ 96.81
105A0716	PROFI CONN. 90 DEGREE W/TERM & PROGRAM	\$ 107.57	\$ 129.09
105A0727/LCLC9125	FIBER OPTIC PATCH CABLE (SEE NOTES)	\$ 110.43	\$ 132.51
105A0727/SCT020MX	FIBER OPTIC PATCH CABLE (SEE NOTES)	\$ 31.34	\$ 37.61
105A0727/SCT030MX	FIBER OPTIC PATCH CABLE (SEE NOTES)	\$ 31.79	\$ 38.14
105A0727/STT005FX	FIBER OPTIC PATCH CABLE (SEE NOTES)	\$ 31.50	\$ 37.80
105A0727/STT010MX	FIBER OPTIC PATCH CABLE (SEE NOTES)	\$ 29.91	\$ 35.89
105A0727/STT020MX	FIBER OPTIC PATCH CABLE (SEE NOTES)	\$ 30.36	\$ 36.43
105A0727/STT030MX	FIBER OPTIC PATCH CABLE (SEE NOTES)	\$ 30.80	\$ 36.96
105A0727/STT040MX	FIBER OPTIC PATCH CABLE (SEE NOTES)	\$ 31.25	\$ 37.50
105A0728/12	MP370 TCH SCR N 12" TFT COLOR 256 COLORS	\$ 5,621.52	\$ 6,745.82
105A0728/15TL	MP 370 TCHSCR N, 15.1 TFT LCD, 256 COLORS	\$ 6,233.05	\$ 7,479.66
105A0729/32	COMPACT MEMORY CARD, 32 MB	\$ 178.09	\$ 213.71
105A0730	PROFI CONN. 180 DEGREE USE WITH HMI'S	\$ 153.57	\$ 184.29
105A0751	SIEMENS S7-224 CPU, 120/220 VAC PWR SPLY	\$ 733.88	\$ 880.65
105A0751/DC	SIEMENS S7-224 CPU, 120/220 VAC PWR SPLY	\$ 513.71	\$ 616.46
105A0752	SIEMENS S7-222 8 POINT RELAY OUTPUT	\$ 261.27	\$ 313.52
105A0753	SIEMENS S7-224 8 POINT, 24VDC DIGITL OUT	\$ 222.61	\$ 267.13
105A0754	PIEZO - MICRO SOUNDER - 76-97 DB	\$ 63.68	\$ 76.41
105A0756/16	SIEMENS S7-300 LABELS 16 POINT	\$ 96.02	\$ 115.22
105A0756/32	SIEMENS S7-300 LABELS 32 POINT	\$ 96.02	\$ 115.22
105A0766	TOUCHSCREEN 17" LCD SAW W/ STAND	\$ 2,007.14	\$ 2,408.57
105A0767	OTC 5 DBI ANTENNA	\$ 25.80	\$ 30.96
105A0768	ETHERNET OPTICAL SWITCH MODULE (S7-224)	\$ 4,500.54	\$ 5,400.64
105A0769	CP243-1 ETHERNET COMMUNICATION PROCESSOR	\$ 634.82	\$ 761.79
105A0770	ETHERNET OPTICAL MEDIA CONVERTER S7-224	\$ 1,046.25	\$ 1,255.50
105A0779	NETWORK PRINTER, BLACK & WHITE	\$ 2,141.07	\$ 2,569.29
105A0780	PROGRAM CABLE S7-300 (USE WITH 105A0781)	\$ 44.84	\$ 53.81
105A0781	COM CONVERTER S7-300 (USE WITH 105A0780)	\$ 797.14	\$ 956.57



Price List - 2018

Part Number	Description	CDA Price	Price List
105A0783/11	TRANSIENT ELIMINATOR, RJ11 DIALUP	\$ 142.86	\$ 171.43
105A0784/4T	TRANSIENT ELIMINATOR, DATA LINE, W/BARRIER	\$ 133.93	\$ 160.71
105A0785	INTERSERIES ADAPTER N-FEM TO N-FEM	\$ 8.29	\$ 9.94
105A0789	DYNICS 17" STANDARD RACK MOUNT TCHSCRN	\$ 5,169.64	\$ 6,203.57
105A0794	17" DYNICS RACK/PANEL RESISTIVE TCHSCRN	\$ 5,169.64	\$ 6,203.57
105A0796	1' CABLE REV. POLARITY MALE "SMA" & MALE	\$ 67.14	\$ 80.57
105A0796/10	10' CABLE REV POLARITY MALE SMA TO MALE	\$ 107.14	\$ 128.57
105A0796/3	3' CABLE REV POLARITY MALE SMA TO MALE	\$ 88.39	\$ 106.07
105A0799/900	DATALINC RADIO REPEATER 900MHz	\$ 1,278.57	\$ 1,534.29
105A0799TS	FASTLINC WIRELESS E-NET RF SRVR/CLNT TS	\$ 1,421.43	\$ 1,705.71
105A0799TS/900	DATALINC RADIO REPEATER 900MHz	\$ 1,278.57	\$ 1,534.29
105A0800	20.1" TABLETOP TFT CAPACITIVE TCHSCRN	\$ 3,303.57	\$ 3,964.29
105A0801	SVCNET 3 YR PRINT/SCAN WTY	\$ 727.79	\$ 873.34
105A0802	HP LJ 5100TN 22PM WIDE FORMAT	\$ 3,569.89	\$ 4,283.87
105A0803	PWR EDGE 6650 2.7GHz/2MB CACHE XEON	\$ 17,060.00	\$ 20,472.00
105A0804	OPTIPLEX GX280 PENTIUM 4	\$ 2,877.00	\$ 3,452.40
105A0805	3.0GHz/1MB CACHE XEON 8MHz FRONT SIDE	\$ 6,926.73	\$ 8,312.08
105A0808	MICRO MEMORY CARD, 512KB	\$ 396.29	\$ 475.54
105A0809	WIRELESS I/O MASTER UNIT	\$ 1,421.43	\$ 1,705.71
105A0810	PROFIBUS 90DEG BUS CONNECTOR W/PG	\$ 116.25	\$ 139.50
105A0811	CP343-1 ETHERNET CARD	\$ 2,979.45	\$ 3,575.34
105A0811TS	CP343-1 ETHERNET CARD TECH SERVICE	\$ 2,809.21	\$ 3,371.06
105A0814	ET200M REDUNDANCY BUNDLE: (2) IM153-2,	\$ 1,505.63	\$ 1,806.75
105A0815	ET200M MOUNTING RAIL FOR ACTIVE	\$ 97.66	\$ 117.19
105A0816/100	WIRELESS I/O YAGI ANTENNA W/ 100FT CABLE	\$ 707.14	\$ 848.57
105A0816/25	WIRELESS I/O YAGI ANTENNA WITH 25FT CABL	\$ 450.00	\$ 540.00
105A0817	OUTPUT MOD 16PT. RELAY 2A PER 8A MAX	\$ 675.16	\$ 810.19
105A0818	ET200M ACTIVE BUS MODULES FOR(2) 40mm	\$ 219.64	\$ 263.57
105A0819	WIRELESS I/O REMOTE UNIT	\$ 1,421.43	\$ 1,705.71
105A0820	SIEMENS S7-226 CPU	\$ 811.25	\$ 973.50
105A0821	SIEMENS EM 221 DIGITAL INPUT MODULE 8	\$ 189.34	\$ 227.21
105A0822	15 AMP SUPPLEMENTARY PROTECTOR, DIN MOUN	\$ 72.57	\$ 87.09
105A0823	CISCO 3508XL SWITCH 8GBIC	\$ 6,236.77	\$ 7,484.12
105A0824	CISCO E-SMARTNET 8X5XNBD CAT6	\$ 999.88	\$ 1,199.85
105A0825	CISCO CATALYST 1000BSX MM GBIC MOD	\$ 678.57	\$ 814.29
105A0826	CISCO CATALYST 1000BLX SM/MM GBIC MOD	\$ 1,292.98	\$ 1,551.58
105A0827	S7400H CPU FOR REDUNDANT SYS 1.4MB MEM.	\$ 11,247.50	\$ 13,497.00
105A0828	UR2-H SUBRACK FOR S7400H SYSTEM	\$ 1,436.88	\$ 1,724.25
105A0829	FEPROM MEMORY CARD 1MB	\$ 653.13	\$ 783.75
105A0830	FIBER OPTIC SYNC MODULE FOR S7414H PLC	\$ 996.43	\$ 1,195.71
105A0831	FIBER OPTIC SYNC MODULE FIBERS 1M	\$ 149.46	\$ 179.36
105A0832	S7400 POWER SUPPLY 120/230 VAC 2A	\$ 529.38	\$ 635.25
105A0833	S7 "H" SYSTEMS OPERATIONS PACKAGE	\$ 714.11	\$ 856.93
105A0834	CP443-1 ETHERNET MODULE FOR S7400 PLC	\$ 3,910.98	\$ 4,693.18
105A0835	KVMXTENDER 165MHz TRANSMITTER & RECEIVER	\$ 10,714.29	\$ 12,857.14
105A0836	DELL ULTRASHARP 2001FP 20.1" FLAT PANEL	\$ 1,151.79	\$ 1,382.14
105A0837	SIM NET IE S7-1613/V6.2	\$ 2,134.02	\$ 2,560.82
105A0838	CP1613 PCT ETHERNET CARD/TCP/IP	\$ 3,096.79	\$ 3,716.14
105A0839	PC ADAPTER CABLE, F/PC/MPI, 5M	\$ 44.84	\$ 53.81



Price List - 2018

Part Number	Description	CDA Price	Price List
105A0840	PC ADAPTER (SIEMENS AUTOMATION)	\$ 797.14	\$ 956.57
105A0841	BATTERY FOR S7400 POWER SUPPLY	\$ 19.25	\$ 23.10
105A0842/1	PRINTER PARALLEL PORT EXTENDER/TRANSMIT	\$ 47.43	\$ 56.91
105A0842/2	PRINTER PARALLEL PORT EXTENDER/RECEIVER	\$ 59.71	\$ 71.66
105A0843	CISCO 1000BTX-GBIC MOD CATALYST RJ45	\$ 522.11	\$ 626.53
105A0845/8	DIALOG ELITE AUTODIALER, 8 INPUTS	\$ 4,580.36	\$ 5,496.43
105A0846	AC ADAPTER 1' EXTENSION CORD	\$ 7.79	\$ 9.34
105A0847	ELO 1928L DESKTOP 19" LCD TCH W/ SPKR	\$ 1,403.84	\$ 1,684.61
105A0848	SIEMENS S7-224 120VAC 8 PT DIGITAL OUT	\$ 206.25	\$ 247.50
105A0849	HP BUSINESS INKJET 1200DTN PRINTER	\$ 519.54	\$ 623.44
105A0850	YAGI ANTENNA, 2.4 GHZ, 15DBI	\$ 107.05	\$ 128.46
105A0851	NETGEAR PROSAFE NETWORK SWITCH FOR STL	\$ 340.80	\$ 408.96
105A0852	SIEM# EM223 16 24VDC INPUTS, 16 REL OUT	\$ 495.43	\$ 594.51
105A0853	DVI-I MALE TO VGA HD15 MALE CABLE	\$ 62.41	\$ 74.89
105A0854	ALL IN ONE PANEL PC TCHSCRN 12.1" LCD	\$ 4,598.21	\$ 5,517.86
105A0855	DR-10 DIAL-UP CONTROLLER	\$ 625.00	\$ 750.00
105A0856	KBD TRAY 13-1/4" DEEP, 21-1/2" WIDE	\$ 85.70	\$ 102.84
105A0858	21" PANEL-MNT DYNICS INDUSTRIAL TFT TCH	\$ 8,910.71	\$ 10,692.86
105A0859	ADVANTECH PS2 MSE/KBD SPLITTER	\$ 12.86	\$ 15.43
105A0860	DIGI EDGEPORT 4USB TO 4RS-422 DB9	\$ 385.77	\$ 462.92
105A0861	MEMORY CARD 256MB SIMM W/CONF. COATING	\$ 189.29	\$ 227.14
105A0862	SWIVEL STAND FOR ADVANTECH PPC 174T TCH	\$ 250.00	\$ 300.00
105A0862/W	WALL MNT. KIT FOR ADVANTECH PPC 174T TCH	\$ 89.29	\$ 107.14
105A0863	12.1" TCHSCRN CPU W/ STAND 1GB	\$ 3,907.14	\$ 4,688.57
105A0863/M	12.1" TCHSCRN CPU W/ STAND 1GB, 56K MODEM	\$ 3,848.21	\$ 4,617.86
105A0866	ADVANTECH PC REDUND. PS-NEW-OBS.105A0644B	\$ 898.21	\$ 1,077.86
105A0867	TONER CARTRIDGE BROTHER PRINTER #HL-1450	\$ 76.46	\$ 91.76
105A0868	2.4GHZ. OMNI ANTENNA, 7DB	\$ 27.46	\$ 32.96
105A0869/NF	MAGNETIC ANTENNA BASE, FEM, 10'	\$ 27.82	\$ 33.39
105A0870/L157	15" TCHSCRN CPU W/ STAND 2GB	\$ 3,708.93	\$ 4,450.71
105A0870/L157M	15" TCHSCRN CPU W / MODEM & STAND 2GB	\$ 4,010.71	\$ 4,812.86
105A0871	FUJITSU STYLISTIC TABLET PC	\$ 4,035.71	\$ 4,842.86
105A0875	DB9 SERIAL PC CARD ADAPTER (PCMCIA)	\$ 100.02	\$ 120.02
105A0876	NEXTEL SERIAL DATA CABLE (MOTOROLA)	\$ 53.55	\$ 64.26
105A0877	SERVSITCH MM FBR OPTIC KVM EXT W/ AUDIO	\$ 5,970.07	\$ 7,164.09
105A0878/03	SMA MALE TO TYPE N MALE 3' CBL 900MHZ IO	\$ 89.29	\$ 107.14
105A0881/M	PCMCIA MODEM 56K	\$ 76.43	\$ 91.71
105A0890	PCMCIA 56K MODEM V.92	\$ 166.79	\$ 200.14
105A0892	2.4GHZ DATALINC SERIAL RADIO MODEM	\$ 1,992.86	\$ 2,391.43
105A0892/900	DATALINC RADIO REPEATER 900MHZ	\$ 1,278.57	\$ 1,534.29
105A0893	CRT - LCD MONITOR STAND	\$ 95.63	\$ 114.75
105A0894	SCALANCE X408-2 INDUSTRIAL ETHERNET SWCH	\$ 4,359.11	\$ 5,230.93
105A0895	WALL MOUNT SWING ARM, VESA MOUNTING	\$ 217.59	\$ 261.11
105A0895/HVY	WALL MOUNT SWING ARM, VESA MOUNTING	\$ 482.13	\$ 578.55
105A0896	SCALANCE GIG MEDIA MOD, SM, SC CONNECT	\$ 4,579.25	\$ 5,495.10
105A0898	ANALOG INPUT CARD 8PT 16 BIT RESOLUTION	\$ 1,276.95	\$ 1,532.34
105A0899	315-2DP PLC CPU 128K MEM PROFIBUS DP MPI	\$ 3,236.39	\$ 3,883.67
105A0900/10	CAT 6 ETHERNET CABLE 10 FT	\$ 22.23	\$ 26.68
105A0900/5	CAT 6 ETHERNET CABLE 5 FT	\$ 15.70	\$ 18.84



Price List - 2018

Part Number	Description	CDA Price	Price List
105A0901	3" AXIAL BALL BEARING AC FAN 115V	\$ 25.34	\$ 30.41
105A0901/120	4.7" AXIAL BALL BEARING AC FAN 115V	\$ 31.82	\$ 38.19
105A0901/230	4.7" AXIAL BALL BEARING AC FAN 230VAC	\$ 27.34	\$ 32.81
105A0902	FILTER W/ GRILL GUARD FOR 3" FAN	\$ 3.41	\$ 4.09
105A0908	12 PORT CAT6 RJ45 PATCH PANEL, RACK MNT	\$ 112.48	\$ 134.98
105A0908/2	12 PORT CAT6 RJ45 PATCH PANEL, WALL MNT	\$ 93.75	\$ 112.50
105A0908/3	12 PORT CAT6 RJ45 PATCH PANEL, RACK MNT	\$ 69.64	\$ 83.57
105A0909	COMP FLSH CARD 2 GIG	\$ 232.14	\$ 278.57
105A0909/4G	COMPACT FLASH CARD 4GB	\$ 35.34	\$ 42.41
105A0910/32	MICRO MEMORY CARD 32K, S7-200	\$ 76.43	\$ 91.71
105A0910/64	MICRO MEMORY CARD 64K, S7-200	\$ 94.00	\$ 112.80
105A0911	24VDC, .42AMP, LOW PROFILE POWER SUPPLY	\$ 38.09	\$ 45.71
105A0912	DOCKING STATION FOR TOUGHBOOK 74	\$ 303.57	\$ 364.29
105A0914	8 FAST E-NET, 2 SC SM FBR, MANAGED	\$ 3,400.07	\$ 4,080.09
105A0914/16	16 FAST E-NET, 2 SC SM FBR, MANAGED	\$ 4,270.41	\$ 5,124.49
105A0914/MM	8 FAST E-NET, 2 SC MM FBR, MANAGED	\$ 3,340.98	\$ 4,009.18
105A0915	TOUCH SCREEN LCD 19"	\$ 1,187.50	\$ 1,425.00
105A0916	FRONT MOUNT BEZEL FOR 105A0915	\$ 325.00	\$ 390.00
105A0916/R	19" RACKMNT BKT FOR ELO 105A0915	\$ 213.39	\$ 256.07
105A0917	TOUCH SCREEN LCD 17"	\$ 1,026.79	\$ 1,232.14
105A0918	FRONT MOUNT BEZEL FOR 105A0917	\$ 266.07	\$ 319.29
105A0918/R	17" RACKMNT BKT FOR ELO 105A0917	\$ 198.21	\$ 237.86
105A0919	VESA MOUNT TABLETOP LCD STAND	\$ 81.96	\$ 98.36
105A0920	ESTEEM 2.4 GHZ ETHERNET RADIO	\$ 3,205.36	\$ 3,846.43
105A0921	ESTEEM ETHERNET IN-LINE SURGE PROTECTOR	\$ 125.00	\$ 150.00
105A0922	ESTEEM POWER SUPPLY, 48 VDC, 100-250 VAC	\$ 121.43	\$ 145.71
105A0923	ESTEEM ANT, 2.4 GHZ, DIRECTIONAL, 14 DBI	\$ 285.00	\$ 342.00
105A0924	ESTEEM CABLE, LAR TO RADIO, 2.5 FT.	\$ 64.29	\$ 77.14
105A0925	ESTEEM LGHTNG ARSTR, 2.4 GHZ, N-FRP CON	\$ 160.71	\$ 192.86
105A0926	ESTEEM CONFIG CBL, RS232C, DB9/RJ45, 6FT	\$ 55.36	\$ 66.43
105A0927	2.5" IDE FLASH DRIVE	\$ 269.64	\$ 323.57
105A0927TS	2.5" IDE FLASH DRIVE	\$ 475.00	\$ 570.00
105A0928	COMPACT FLASH CARD READER	\$ 84.07	\$ 100.89
105A0929	ADAM 6066 6-DO 6-DI	\$ 403.80	\$ 484.56
105A0930/6	ANT CBL, LMR-195 TNC-RP M TO TNC-RP F 6'	\$ 35.63	\$ 42.75
105A0931	DB9-DB25 ADAPTER	\$ 18.96	\$ 22.76
105A0932/60	ESTEEM HELIAX CABLE 1/2" N-MRP/N-FRP 60'	\$ 851.61	\$ 1,021.93
105A0933	SCALANCE X204-2 4PORT 10/100MBPS SWITCH	\$ 1,606.59	\$ 1,927.91
105A0934	TOUGH TRAY UNIVERSAL LAPTOP HOLDER	\$ 416.79	\$ 500.14
105A0935	VEHICLE DEVICE HOLDING BASE	\$ 73.14	\$ 87.77
105A0936	MOUNTING ARM FOR HOLDING BASE	\$ 79.91	\$ 95.89
105A0937	CISCO MANAGED SW 48 PORT 4 SFP	\$ 9,821.43	\$ 11,785.71
105A0937/12	CISCO MANAGED SW 12 SFP	\$ 9,107.14	\$ 10,928.57
105A0938	CISCO LC FIBER UP LINK MODULE	\$ 1,160.71	\$ 1,392.86
105A0939	CISCO SC FIBER UP LINK MODULE	\$ 1,160.71	\$ 1,392.86
105A0940	CISCO REDUNDANT POWER SUPPLY	\$ 1,392.86	\$ 1,671.43
105A0941	AC ADAPTER (3 PIN) FOR TOUGHBOOK	\$ 152.02	\$ 182.42
105A0942	OPTICOM WALL MNT FIBER PANEL	\$ 137.32	\$ 164.79
105A0943	OPTICOM FIBER INSERT 12 POS	\$ 151.30	\$ 181.56



Price List - 2018

Part Number	Description	CDA Price	Price List
105A0944	POWER-SONIC 12VDC BATTERY	\$ 44.00	\$ 52.80
105A0945	ALLEN BRADLEY POWER SUPPLY	\$ 1,098.61	\$ 1,318.33
105A0946	CABLE, LMR195, TNC-MRP/N MRP, 2.5'	\$ 64.29	\$ 77.14
105A0947	CUSTOM CABLE, RG8, TNC-FRP/NMRP, 10'	\$ 89.29	\$ 107.14
105A0948	CAT 6 CRIMPLESS CONNECTOR	\$ 21.39	\$ 25.67
105A0949/1	2.5" SATA II SOLID STATE DRIVE 32GB	\$ 199.98	\$ 239.98
105A0949/2	2.5" SATA II SOLID STATE DRIVE 64GB	\$ 467.84	\$ 561.41
105A0949/3	2.5" SATA II SSD 128GB TORQX	\$ 453.32	\$ 543.99
105A0950	SATA - USIB DRIVE ENC & CRADLE	\$ 117.86	\$ 141.43
105A0951	TOUCH SCREEN LCD 15"	\$ 917.86	\$ 1,101.43
105A0952/1	FRONT MOUNT BEZEL FOR 105A0951	\$ 251.80	\$ 302.16
105A0952/2	RACK MOUNT BEZEL FOR 105A0951	\$ 196.43	\$ 235.71
105A0953	VESA MOUNT FOR UNO PC	\$ 53.57	\$ 64.29
105A0957	ADDONICS, AESMRS AUS - SATA CAGE BLACK	\$ 117.86	\$ 141.43
105A0958	BELAIR 2.4 GHZ RADIO	\$ 2,357.14	\$ 2,828.57
105A0958/DUAL	BELAIR DUAL 2.4 GHZ RADIO'S (ONE ENCL)	\$ 1,767.86	\$ 2,121.43
105A0959	BELAIR 2.4 GHZ RADIO AC POWER CABLE	\$ 131.96	\$ 158.36
105A0960	BELAIR 2.4 GHZ RADIO MOUNTING BRACKET	\$ 158.36	\$ 190.03
105A0961	2.4GHz 2-WAY RF SPLITTER (N-FM)	\$ 98.13	\$ 117.75
105A0962	TOUCHSCREEN 15" LCD RES W/ STAND	\$ 975.14	\$ 1,170.17
105A0963	N-MALE TO N-MALE ADAPTER	\$ 6.91	\$ 8.29
105A0964	SMA-MALE TO N-MALE ADAPTER	\$ 11.88	\$ 14.25
105A0965	SMA-FEMALE TO N-FEMALE ADAPTER	\$ 14.55	\$ 17.46
105A0966/232	4 COM RS-232 PORT MODULE, RoHS	\$ 178.57	\$ 214.29
105A0966/422	4 COM RS-422 PORT MODULE, RoHS	\$ 160.71	\$ 192.86
105A0967	UNO FOR PCM CARD EXTENSION KIT	\$ 100.00	\$ 120.00
105A0968	VESA MOUNT TABLETOP TS/PC STAND	\$ 185.71	\$ 222.86
105A0969	CISCO 8 PORT ETHERNET 10/100 SWITCH	\$ 2,301.77	\$ 2,762.12
105A0970	CISCO POWER SUPPLY FOR 105A0969	\$ 437.50	\$ 525.00
105A0970TS	POWER SUPPLY FOR 44A6167/0012	\$ 125.00	\$ 150.00
105A0971	ETHERNET EXPANSION MOD FOR 105A0969	\$ 2,533.93	\$ 3,040.71
105A0972	FIBER EXPANSION MOD FOR 105A0969	\$ 2,962.50	\$ 3,555.00
105A0973	GPS NETWORK TIME SERVER	\$ 6,607.14	\$ 7,928.57
105A0974	GENESIS SIDE MOUNT AIR CONDITIONER	\$ 2,996.55	\$ 3,595.86
105A0980	CISCO - SFP MODULE, GLC-FE-100LX-RGD	\$ 498.21	\$ 597.86
105A0981	ELO TOUCHSYSTEMS 15" LCD TOUCHSCREEN	\$ 917.86	\$ 1,101.43
105A0982	FRONT MOUNT BEZEL FOR 15" TOUCHSCREEN	\$ 246.43	\$ 295.71
105A0985	POWER SUPPLY FOR 44A6416/17	\$ 137.50	\$ 165.00
105A0987/0752S	APC SMART-UPS 750VA LCD 230V	\$ 485.71	\$ 582.86
105A0987/075D	APC SMART-UPS X 750VA RACK/TOWER 120V	\$ 700.00	\$ 840.00
105A0987/075S	APC SMART-UPS 750VA LCD 120V	\$ 451.79	\$ 542.14
105A0987/100R	UPS, 1000VA 120V, RM, 2U, LCD	\$ 773.21	\$ 927.86
105A0987/100S	APC SMART-UPS 1000VA LCD 120V	\$ 655.36	\$ 786.43
105A0987/150R	UPS, 1500VA 120V, RM, 2U, LCD	\$ 1,028.57	\$ 1,234.29
105A0987/150S	APC SMART-UPS 1500VA LCD 120V	\$ 948.41	\$ 1,138.09
105A0987/152S	APC SMART-UPS 1500VA LCD 230V	\$ 894.64	\$ 1,073.57
105A0987/220R	UPS, 2200VA 120V, RM, 2U, LCD	\$ 1,569.64	\$ 1,883.57
105A0987/300R	UPS, 3000VA 120V, RM, 2U, LCD	\$ 1,873.21	\$ 2,247.86
105A0988/01	UPS NETWORK MONITORING CARD 2	\$ 369.64	\$ 443.57



Price List - 2018

Part Number	Description	CDA Price	Price List
105A0990	APC SMART UPS 3000VA RM 3U 230V 50/60HZ	\$ 2,391.07	\$ 2,869.29
105A0991	HIRSCHMAN 4-PORT FAST ETHERNET SWITCH	\$ 1,044.64	\$ 1,253.57
105A0992	HIRSCHMAN 24VDC POWER SUPPLY	\$ 389.29	\$ 467.14
105A0993/1	POWER CORD IEC-C13TO IEC-14	\$ 11.96	\$ 14.36
105A0993/2	EURO CEE 7/16 TO C7 POWER CORD	\$ 5.36	\$ 6.43
105A0993/3	12V/1A/12W SINGLE OUTPUT AC/DC ADAPTER	\$ 14.29	\$ 17.14
105A0993/4	230VAC 5 OUTLET SURGE SUPPRESSOR	\$ 31.88	\$ 38.25
105A0993/5	230VAC 6 OUTLET POWER STRIP	\$ 389.64	\$ 467.57
105A0993/6	IEC 13 TO CEE 7 POWER CORD 2METER	\$ 9.29	\$ 11.14
105A0993/7	IEC 13 TO CEE 7 POWER CORD 3METER	\$ 11.07	\$ 13.29
105A0993/8	IEC 13 TO CEE 7 POWER CORD 4METER	\$ 12.14	\$ 14.57
105A0994/12	5.8GHZ ANTENNA OMNI DIRECTIONAL 12DBI	\$ 151.79	\$ 182.14
105A0994/6	5.8GHZ ANTENNA OMNI DIRECTIONAL 6DBI	\$ 316.05	\$ 379.26
105A0994/8	5.8GHZ ANTENNA OMNI DIRECTIONAL 8DBI	\$ 316.05	\$ 379.26
105A0995	BELAIR 5.8 GHZ RADIO MOUNTING BRACKET	\$ 158.36	\$ 190.03
105A0996	BELAIR 2.4 / 5.8 GHZ RADIO	\$ 4,750.71	\$ 5,700.86
105A0996/E	RADIO,2.4/5.8GHz,EURO TELE STNDRDS INST	\$ 4,750.71	\$ 5,700.86
105A0997	VGA SPLITTER CABLE	\$ 31.09	\$ 37.31
105A0998	19" RACK MNT KEYBRD W/ SLIDING MSE TRAY	\$ 386.32	\$ 463.59
105A1000	SHORT HAUL DSL ETHERNET MODEM	\$ 1,508.93	\$ 1,810.71
105A1001	24VDC 1.5A DIN RAIL POWER SUPPLY	\$ 270.55	\$ 324.66
105A1002	DIN RAIL CONNECTOR FOR 105A1001	\$ 11.16	\$ 13.39
105A1003	S7 315 CPU315-2 PN/DP	\$ 4,190.43	\$ 5,028.51
105A1004	S7 321 16DI AC/DC 24V-48V SEP GND CONTCT	\$ 579.77	\$ 695.72
105A1005	S7 322 8DO RELAY 2A	\$ 315.57	\$ 378.69
105A1006	S7 360 IM 360 CENTRAL CONTROL RACK	\$ 396.29	\$ 475.54
105A1007	S7 361 IM 361 EXPANSION RACK	\$ 455.00	\$ 546.00
105A1008	IM360/361 CONNECT CABLE 1M	\$ 127.70	\$ 153.24
105A1009	EXPANSION COVER FOR 40 PIN CONNECTOR	\$ 104.21	\$ 125.06
105A1010	S7-300C MICRO MEM CARD IM151 CPU 512KB	\$ 396.29	\$ 475.54
105A1011	SIDE MOUNT AIR CONDITIONER	\$ 5,389.96	\$ 6,467.96
105A1012	VIDEO CARD AGP 8X VISIONTEK RADEON	\$ 142.86	\$ 171.43
105A1013	AYDIN 20.1" RACK MNT DIM TO ZERO TCHSCRN	\$ 5,312.50	\$ 6,375.00
105A1014	56K USB HIGH PERFORMANCE V.92 MODEM	\$ 76.77	\$ 92.12
105A1015	AB 7 SLOT CTRLGX CHASSIS	\$ 694.98	\$ 833.98
105A1015/10	AB 10 SLOT CTRLGX CHASSIS	\$ 694.98	\$ 833.98
105A1015/4	AB 4 SLOT CTRLGX CHASSIS	\$ 397.96	\$ 477.56
105A1016	AB LOGIX5561 PROCESSOR	\$ 7,307.98	\$ 8,769.58
105A1017	AB ENET/IP 10/100 BRIDGE MODULE	\$ 2,727.68	\$ 3,273.21
105A1018	AB 10-31 VDC INPUT 32PTS 36PIN	\$ 655.80	\$ 786.96
105A1019	AB 10-31 VDC OUTPUT 32PTS 36PIN	\$ 927.13	\$ 1,112.55
105A1020	USB ETHERNET ADAPTER	\$ 35.05	\$ 42.06
105A1021	TOUCHSCREEN BATTERY PACK 11.1V 4.4AH	\$ 355.18	\$ 426.21
105A1022	DVI MALE TO HD15 VGA FEM VIDEO EXT. CBL	\$ 41.05	\$ 49.26
105A1023	ELO 2020L DESKTOP 20" LCD TCH W/ STAND	\$ 2,855.36	\$ 3,426.43
105A1024	3.5" QVGA TFT LCD TOUCHSCREEN	\$ 392.86	\$ 471.43
105A1025/12	POINT I/O MOUNTING BASE 12 TERMINAL	\$ 27.57	\$ 33.09
105A1025/8	POINT I/O MOUNTING BASE 8 TERMINAL	\$ 20.32	\$ 24.39
105A1026	24V DC 8-CHANNEL INPUT MODULE	\$ 156.70	\$ 188.04



Price List - 2018

Part Number	Description	CDA Price	Price List
105A1027	POINT DIGITAL CONTACT OUTPUT MODULE	\$ 140.73	\$ 168.88
105A1028	ETHERNET/IP MEDIA I/O ADAPTER	\$ 706.59	\$ 847.91
105A1029	24V DC UPS	\$ 776.07	\$ 931.29
105A1029/BAT	12V BATTERY FOR DC UPS	\$ 694.00	\$ 832.80
105A1030	12-24V DC QUINT DIODE MODULE	\$ 174.09	\$ 208.91
105A1031/090	24V DC POWER SUPPLY 3.75A 90W	\$ 176.79	\$ 212.14
105A1031/600	24V DC POWER SUPPLY 25A 600W	\$ 608.93	\$ 730.71
105A1032	4.9GHZ ESTEEM RADIO	\$ 3,919.64	\$ 4,703.57
105A1033	4.9GHZ OMNI DIRECT MOUNT ANTENNA	\$ 75.00	\$ 90.00
105A1034	4.9 GHZ ETHERNET SURGE SUPPRESSOR POE	\$ 125.00	\$ 150.00
105A1035	GIGABIT POE INJECTOR 10/100/1000M DC	\$ 455.71	\$ 546.86
105A1036	HIRSCHMANN MANAGED INDSTR L ETHER SWITCH	\$ 1,994.64	\$ 2,393.57
105A1037	HIRSCHMANN UNMANAGED INDSTR L ETHERNET SW	\$ 1,553.48	\$ 1,864.18
105A1038	HIRSCHMANN MANAGED INDSTR L FIBER SWITCH	\$ 2,402.98	\$ 2,883.58
105A1039	19" SAW TOUCHSCREEN	\$ 1,187.50	\$ 1,425.00
105A1040	FLOATING FLAT PANEL ARM, VESA MOUNT	\$ 444.64	\$ 533.57
105A1041	WALL MNT BRACKET FOR FLAT PANEL ARM	\$ 217.59	\$ 261.11
105A1043	SURGE SUPPRESSOR VALVETRAB-MS BASE	\$ 69.64	\$ 83.57
105A1044	SURGE SUPPRESSOR VALVETRAB-MS PLUG	\$ 142.86	\$ 171.43
105A1045	POINT I/O OUTPUT MODULE	\$ 177.02	\$ 212.42
105A1046	5.8GHZ DIRECTIONAL PANEL ANTENNA	\$ 316.05	\$ 379.26
105A1047	AB ENET/IP 10/100 BRIDGE MODULE	\$ 3,461.04	\$ 4,153.24
105A1048	AB REDUNDANCY MODULE	\$ 6,029.68	\$ 7,235.61
105A1067	ZYWALL INTERNET SECURITY FIREWALL	\$ 274.98	\$ 329.98
105A1082/1	FBR TRSVR MM 1310NM ST 1000M RLH	\$ 375.00	\$ 450.00
105A1094/115	CAT5 ETHERNET CABLE, 115' OUTDOOR,	\$ 200.00	\$ 240.00
105A1094/215	CAT5 ETHERNET CABLE, 215' OUTDOOR,	\$ 342.86	\$ 411.43
105A1094/65	CAT5 ETHERNET CABLE, 65' OUTDOOR,	\$ 128.57	\$ 154.29
105A1100	5.8GHZ ESTEEM RADIO	\$ 3,205.36	\$ 3,846.43
105A1102	SINGLE MODE LC CONNECTOR MINIGBIC MODULE	\$ 78.95	\$ 94.74
107A0026/1	SWARE DB2 V7.1 NT PERSONAL ED	\$ 514.29	\$ 617.14
107A0030/2	MICROSOFT OFFICE 2000 PROFESS.	\$ 747.41	\$ 896.89
107A0044	SOFTWARE S7-REDCONNECT V6.2 SL W2KXP	\$ 3,952.50	\$ 4,743.00
107A0045	SIEMENS STEP 7 MICROWIN 32, S7 200 V4.0	\$ 405.63	\$ 486.75
107A0049	WinCC V6.0+SP2 RL, SINGLE LICENSE	\$ 1,652.41	\$ 1,982.89
107A0050	WinCC V6.0+SP2 RC128	\$ 2,482.77	\$ 2,979.32
107A0051	SIMATIC STEP 7 V5.3	\$ 3,529.02	\$ 4,234.82
107A0052	REAL VNC - ENTERPRISE EDITION	\$ 77.23	\$ 92.68
107A0053	WINCC FLEX STANDARD 2006	\$ 1,282.11	\$ 1,538.53
107A0054	UPGRADE WINCC FLEX 2004 TO 2006	\$ 32.66	\$ 39.19
107A0055	WINCC SOFTWARE UPGRADE SREVICE	\$ 256.43	\$ 307.71
107A0056	S7 PLC SIMULATION SOFTWARE	\$ 922.79	\$ 1,107.34
107A0057	SOFTWARE, SNMP OPC-SERVER	\$ 1,772.09	\$ 2,126.51
107A0061	SIMATIC NET IE SOFTNET-S7 LEAN V7.0	\$ 898.29	\$ 1,077.94
107A0062/01	CISCO SMARTNET SVC AGREEMENT	\$ 892.86	\$ 1,071.43
107A0062/02	CISCO SMARTNET SVC AGREEMENT	\$ 1,196.43	\$ 1,435.71
107A0062/03	CISCO SMARTNET SVC AGREEMENT	\$ 294.64	\$ 353.57
107A0063	RSLINX GATEWAY SOFTWARE	\$ 3,741.07	\$ 4,489.29
107A0064	RSLOGIX 5000 PROFESSIONAL EDITION	\$ 11,473.21	\$ 13,767.86



Price List - 2018

Part Number	Description	CDA Price	Price List
107A0065	RSVIEW32 WORKS W/ RSLINX CLASSIC	\$ 15,767.86	\$ 18,921.43
107A0067	FACTORY TALK GATEWAY SOFTWARE	\$ 1,419.64	\$ 1,703.57
107A0073	STEP7 V5.5	\$ 5,565.21	\$ 6,678.26
107A0074	WINCC SYSTEM V7.0, RT 128	\$ 2,970.96	\$ 3,565.16
107A0075	WINCC / SERVER V7.0	\$ 4,126.82	\$ 4,952.19
107A0076	WINCC SYSTEM V7.0, RC 128 TAGS	\$ 4,631.98	\$ 5,558.38
107A0077	STEP 7 PROFESSIONAL 2010	\$ 5,565.21	\$ 6,678.26
107A0078	SIMATIC NET IE SOFTNET-S7 LEAN V8.0	\$ 1,016.96	\$ 1,220.36
108A0129	8-1/2" x11" VINYL LABELS	\$ 25.89	\$ 31.07
114A0002	RGL BOX ASSY	\$ 19.71	\$ 23.66
114A0002/LED	LED RGL Box	\$ 19.71	\$ 23.66
114A0021	APS POWER SUPPLY PACKAGING	\$ 113.80	\$ 136.56
15A0085	RES 10W 180 1% NONID	\$ 11.61	\$ 13.93
15A0086	RES 10W 500 1% NONID	\$ 5.54	\$ 6.64
15A0090	RES 50W 1 1%	\$ 6.86	\$ 8.23
15A0091	RES 10W 10K 1%	\$ 3.30	\$ 3.96
15A0101/1002	RES 10K THK FILM 1/8W 1% 0805	\$ 0.02	\$ 0.02
15A0108/01	RES 25W 15M 0.5% 1/4-20 ENDCAP	\$ 533.66	\$ 640.39
15A0108/02	RES 25W 2M 1% 1/4-20 ENDCAP	\$ 98.21	\$ 117.86
18A0013	POT 100K 1W 3/4TURN PCBMTG 3/4	\$ 19.09	\$ 22.91
18A0039	POT 10K 0.5W 15TRN PCBMTG 1/4S	\$ 2.54	\$ 3.04
18A0051	POT 1K 0.5W 20TRN PCBMTG 3/8S	\$ 3.04	\$ 3.64
18A0052	POT 2K 0.5W 20TRN PCBMTG 3/8S	\$ 1.43	\$ 1.71
19A0017	RES 10K .125W 7ELM BUSS 8P SIP	\$ 0.21	\$ 0.26
1LMC02000000	LMC. no J-BUS. MW 48V.	\$ 1,257.66	\$ 1,509.19
1PU000000224	Remote Control box L	\$ 5,111.21	\$ 6,133.46
1PU000000225	Control box QUELLON	\$ 4,705.29	\$ 5,646.34
1PU000000228	Control box Teniente	\$ 4,705.29	\$ 5,646.34
1PU000000229	Control box Juan Ro	\$ 4,705.29	\$ 5,646.34
1PU000000230	CONTROL DESK AERODRO	\$ 4,601.13	\$ 5,521.35
1PU000000233	Control box MINERA	\$ 5,603.82	\$ 6,724.59
1PU000000234	Control box AERODRO	\$ 4,813.48	\$ 5,776.18
1R00C2R20C52	RES 1W 2.2 5% CC COM	\$ 2.88	\$ 3.45
21A0040	CAP .1UF 50V 20% X7R RADIAL	\$ 0.07	\$ 0.09
21A0045	CAP 47PF 100VDC 5% U2M RADIAL	\$ 0.13	\$ 0.15
21A0048	CAP .01UF 500VDC 10% Y5P RADIA	\$ 0.73	\$ 0.88
22A0010	CAP .1UF 400VDC	\$ 0.86	\$ 1.03
22A0059	CAP 470UF 100VDC	\$ 0.80	\$ 0.96
22A0067	CAP 220UF 50VDC 20% ELE RADIAL	\$ 1.29	\$ 1.54
22A0068	CAP 220UF 16VDC 20% ELE RADIAL	\$ 0.75	\$ 0.90
22A0070	CAP 100UF 16VDC 20% ELE RADIAL	\$ 0.45	\$ 0.54
22A0079	CAP 10UF 250VDC 20% ELE RADIAL	\$ 0.55	\$ 0.66
22A0240	CAP , ELECTRO, 1200uf, 250V, 85C	\$ 13.71	\$ 16.46
23A0005	CAP .047UF 200V 10%	\$ 0.86	\$ 1.03
23A0010	CAP 10UF TANT ELECTRO 20VDC 10% RADIAL	\$ 0.54	\$ 0.64
23A0070	CAP .001UF 50VDC 5% MPE FILM	\$ 0.09	\$ 0.11
23A0071	CAP .01UF 50VDC 5% MPE FILM	\$ 0.14	\$ 0.17
23A0076	CAP .1UF 63VDC FILM 10%	\$ 0.11	\$ 0.13
23A0082	CAP .033UF 50VDC 5% MEP RADIAL	\$ 0.13	\$ 0.15



Price List - 2018

Part Number	Description	CDA Price	Price List
23A0083	CAP 1UF 50VDC 5% MPE FILM	\$ 0.52	\$ 0.62
23A0084	CAP 22UF 16VDC 10% TANT RADIAL	\$ 0.80	\$ 0.96
23A0093	CAP 1UF 100V 10%	\$ 1.11	\$ 1.33
23A0099	CAP 4700UF 35VDC 105C 2000HR	\$ 3.55	\$ 4.26
23A0110	CAP 33PF 500VDC SILVER MICA	\$ 0.80	\$ 0.96
23A0111	CAP 10UF 100VDC MPH 10%	\$ 5.80	\$ 6.96
23A0112	CAP .68UF 630VDC MPP 10%	\$ 1.88	\$ 2.25
23A0113	CAP 0.001UF 5KVDC	\$ 63.21	\$ 75.86
23A0116	CAP 330PF 500VDC SILVER MICA	\$ 0.86	\$ 1.03
23A0117	CAP 47UF 50VDC 105DEG ELECTROL	\$ 0.21	\$ 0.26
23A0127	CAP 22UF 35VDC 20% TANTALUM	\$ 2.02	\$ 2.42
27A0002	DIODE RECT. 100V, 1A - L-849 1N4002	\$ 0.04	\$ 0.04
27A0005	DIODE	\$ 0.04	\$ 0.04
27A0008/1	DIODE SIGNAL 10mA 100V	\$ 0.02	\$ 0.02
27A0047	RECT DIODE 800V 1.7A	\$ 0.48	\$ 0.58
27A0048	RECT DIODE 600V 1AMP	\$ 0.05	\$ 0.06
27A0057	SIGNAL DIODE 100mA 100V	\$ 0.02	\$ 0.02
27A0064	ZENER DIODE 20V 1 WATT	\$ 0.05	\$ 0.06
27A0070	ZENER DIODE 15V 1 WATT	\$ 0.07	\$ 0.09
27A0091	ZENER DIODE 39V 1 WATT	\$ 0.05	\$ 0.06
27A0094	DIODE 700V 35A	\$ 2.88	\$ 3.45
27A0095	HIGH EFFICIENCY RECT 300V 6A	\$ 4.73	\$ 5.68
27A0216	ZENER DIODE 62V 1 WATT AXIAL	\$ 0.13	\$ 0.15
28A0024	TRIAC 15A 800V INSULATED CASE	\$ 1.54	\$ 1.84
29A0022	TRANS 2N2907A	\$ 0.45	\$ 0.54
29A0033	TRANS MPS2222AG NPN	\$ 0.05	\$ 0.06
29A0041	MOSFET N-CHANNEL 60V 0.5A TO-92	\$ 0.09	\$ 0.11
29A0050	TRANS TIP127 PNP 100V 8A DARLI	\$ 0.63	\$ 0.75
29A0067	MOSFET N-CHANNEL	\$ 0.54	\$ 0.64
2R00C1001M54	RES 2W 1K 5% MF COM	\$ 0.52	\$ 0.62
2R00C1002C54	RES 2W 10K 5% CF COM	\$ 0.52	\$ 0.62
2R00C2200M54	RES 2W 220 5% MF FP COM	\$ 1.36	\$ 1.63
2R00C33R0C54	RES 2W 33 5% MF FP COM	\$ 2.52	\$ 3.02
32A0011	VARISTOR, L849	\$ 18.45	\$ 22.14
32A0026	SURGE ARRESTOR 3KV -OBS- USE 94A0433-3	\$ 68.29	\$ 81.94
32A0044	VAR V68ZA2 40VAC 56VDC	\$ 0.45	\$ 0.54
32A0045	VAR V27ZA2 17VAC 22VDC	\$ 0.52	\$ 0.62
32A0046	SURGE ARR 108VDC BREAKDOWN	\$ 3.21	\$ 3.86
32A0072	SURGE ARR 10KVA	\$ 5.57	\$ 6.69
32A0151	SURGE SUPPRESSION MODULE	\$ 1,304.55	\$ 1,565.46
33A0018	CHOKE 100uh 2A	\$ 1.20	\$ 1.44
33A0030	INDUCTOR 200mH 50mA	\$ 19.11	\$ 22.93
33A0031	INDUCTOR 4uH	\$ 8.86	\$ 10.63
33A0039	CHOKE COIL 100uH 350mA	\$ 0.89	\$ 1.07
35A0264	CURRENT XFMR 6.6A/0.13	\$ 535.71	\$ 642.86
35A0272	SD TX 240/120VCT @ 0.85A 100VA	\$ 43.54	\$ 52.24
35A0346	SD TX 5000/50V 50/60 HZ	\$ 550.00	\$ 660.00
35A0433	LOW VA SIGN TRANSFORMER 25VA 1:6.6	\$ 101.82	\$ 122.19
35A0457	TX 115/230V PRI 18/36V SEC	\$ 88.25	\$ 105.90



Price List - 2018

Part Number	Description	CDA Price	Price List
35A0493	TX CURRENT SENSE 6.6A TO 66mA	\$ 41.34	\$ 49.61
35A0496	TX 115/230V TO 12/24V 25VA	\$ 31.68	\$ 38.01
35A0533	TRANS. 480/240-120VAC 250VA.	\$ 102.61	\$ 123.13
37A0013	IC CA3240AE OP AMP DUAL MOS FT	\$ 1.20	\$ 1.44
37A0018	IC CD4093BE QUAD 2-INPUT NAND	\$ 0.20	\$ 0.24
37A0023	IC 4N32 OPTO DARLINGTON COUPLR	\$ 0.27	\$ 0.32
37A0026	VOLT REG LM340T-15	\$ 2.20	\$ 2.64
37A0035	VOLTAGE REG +5V TO-220	\$ 1.04	\$ 1.24
37A0038	IC HCPL-3700 OPTO DEVICE	\$ 3.96	\$ 4.76
37A0044	ANALOG SWITCH SPST	\$ 1.59	\$ 1.91
37A0055	IC 150W OPER AMP LM12CLK	\$ 128.57	\$ 154.29
38A0005	IC CD4013BCN FLIP FLOP	\$ 0.27	\$ 0.32
38A0012	IC LM555J TIMER	\$ 3.04	\$ 3.64
38A0014	IC CD40193BE UP/DOWN COUNTER	\$ 0.45	\$ 0.54
38A0033	IC MM74HC4060J 14-STAGE BINARY	\$ 0.64	\$ 0.77
38A0036	IC MC14469P ADDRESS ASY RX/TX	\$ 10.71	\$ 12.86
38A0045	IC MC74ACT541N OCTAL BUFFER	\$ 1.34	\$ 1.61
38A0065	IC AD736JN RMS/DC CONVERTOR	\$ 13.46	\$ 16.16
38A0092	IC LM317HVH	\$ 8.45	\$ 10.14
38A0093	IC CD4002BE NOR GATE	\$ 1.25	\$ 1.50
38A0094	IC CD40106BE HEX SCHMITT TRIGG	\$ 0.48	\$ 0.58
38A0095	IC CD4072BE OR GATE	\$ 0.66	\$ 0.79
38A0096	IC LH0002N CURRENT AMPLIFIER	\$ 20.00	\$ 24.00
38A0097	IC CD4520BE DUAL UP COUNTER	\$ 1.43	\$ 1.71
38A0098	IC L232CPE RS232 LINE DRIVER	\$ 2.75	\$ 3.30
38A0100	IC TL594IN SWITCHING REGULATOR	\$ 6.61	\$ 7.93
39A0002	INDUCTOR 100UH, 10A L-849 REIL	\$ 7.02	\$ 8.42
39A0004	LED GREEN T-1 3/4	\$ 0.20	\$ 0.24
39A0005	LED RED T-1 3/4 ULTRA BRIGHT	\$ 0.23	\$ 0.28
3SB3648-6BA20	COMPLETE LAMPHOLDER W/INTEG 120V LED RED	\$ 42.96	\$ 51.56
3SB3648-6BA40	COMPLETE LAMPHOLDER W/INTEG 120V LED GRN	\$ 42.96	\$ 51.56
40A0018	CRYSTAL MPC180491 4.9152 MHZ	\$ 3.75	\$ 4.50
42A0104	LABEL DANGER HIGH VOLTAGE	\$ 0.96	\$ 1.16
42A0420	LABEL SMALL ALCS LOGO	\$ 22.32	\$ 26.79
44A4784	TCHSCRN W/VOL CTL FRM ENCL ASY	\$ 5,006.67	\$ 6,008.01
44A5914/20	ACE FIELD CIRCUIT SENSOR 20A	\$ 842.27	\$ 1,010.72
44A5918/004	COMPUTER INDUSTRIAL MITAC	\$ 4,642.86	\$ 5,571.43
44A5921/005	COMP-MSE-KBD PCKG CUR'NT STNDR	\$ 2,312.50	\$ 2,775.00
44A5925/D17L	TOUCH SCRN CNTRL ST. 17 CRT LV	\$ 23.41	\$ 28.10
44A5925/F17L	TOUCH SCRN CNTRL ST. 17 CRT LV	\$ 438.46	\$ 526.15
44A5925/R15L	TOUCH SCRN CNTRL ST. 15 CRT LV	\$ 23.41	\$ 28.10
44A5926/F18L	TOUCH SCRN CNTRL ST 18 LCD LV	\$ 235.30	\$ 282.37
44A5926/R14L	TOUCH SCRN CNTR ST 14 LCD	\$ 23.41	\$ 28.10
44A5926/R15L	TOUCH SCRN CNTR ST 15 LCD	\$ 6,295.50	\$ 7,554.60
44A5926/R18H	18" TOUCHSCREEN CONTROL STATION ASSY.	\$ 12,983.76	\$ 15,580.51
44A5926/R18L	TOUCH SCRN CNTR ST 18 LCD	\$ 433.22	\$ 519.86
44A5926/R18S	TOUCH SCRN CNTR ST 18 LCD SPECTRA	\$ 536.96	\$ 644.35
44A5926/R20L	TOUCH SCRN CNTR ST 20 LCD	\$ 121.91	\$ 146.30
44A5926/S18L	TOUCH SCRN CNTR ST 18 LCD	\$ 640.74	\$ 768.89



Price List - 2018

Part Number	Description	CDA Price	Price List
44A5926/W18L	TOUCH SCRNR CNTR ST 18 LCD	\$ 23.41	\$ 28.10
44A5926/Z18L	TOUCH SCRNR CNTR ST 18 LCD DTZ	\$ 13,416.96	\$ 16,100.35
44A5926/Z20L	TOUCH SCRNR CNTR ST 20 LCD DTZ	\$ 17,422.37	\$ 20,906.84
44A5926/Z20M	TOUCH 20" D-Z NO AUDIO	\$ 17,606.48	\$ 21,127.77
44A5927/122A	ENCL HOFFMAN PRO-LINE 2 SHELF	\$ 3,515.13	\$ 4,218.16
44A5971	HI VOLT. WIREWAY SUBASSY SGRS	\$ 293.87	\$ 352.64
44A5973	SGRS SGL PAGO.TOP THERMO ASSY	\$ 42.37	\$ 50.84
44A5973/1	SGRS SGL PAGO.TOP THERMO ASSY	\$ 122.13	\$ 146.56
44A5982/0025	CABLE ASSY ACL/BM COMM 82.5FT	\$ 460.37	\$ 552.44
44A6002/003	COMPUTER LAPTOP DELL	\$ 2,373.70	\$ 2,848.44
44A6002/006	DELL LAPTOP, PLC PROGRAMMING	\$ 2,182.32	\$ 2,618.79
44A6002/010	PANASONIC TOUGHBOOK 74 LAPTOP	\$ 5,044.64	\$ 6,053.57
44A6002/011	PANASONIC TOUGHBOOK 19 (EVDO CARD)	\$ 7,023.95	\$ 8,428.74
44A6002/012TS	PANASONIC TOUGHBOOK 52 LAPTOP TECH SERV	\$ 5,044.64	\$ 6,053.57
44A6006/0002	CABLE FIBER OPTIC 2 FEET	\$ 7.25	\$ 8.70
44A6006/0003	CABLE FIBER OPTIC 3 FEET	\$ 7.77	\$ 9.32
44A6006/0003B	CABLE FIBER OPTIC 3 FEET BLUE-BLUE	\$ 7.75	\$ 9.30
44A6006/0003G	CABLE FIBER OPTIC 3 FEET GRAY-GRAY	\$ 7.75	\$ 9.30
44A6006/0004	CABLE FIBER OPTIC 4 FEET	\$ 7.91	\$ 9.49
44A6006/0005	CABLE FIBER OPTIC 5 FEET	\$ 8.23	\$ 9.88
44A6006/0006	CABLE FIBER OPTIC 6 FEET	\$ 8.93	\$ 10.71
44A6006/0007	CABLE FIBER OPTIC 7 FEET	\$ 9.25	\$ 11.10
44A6006/0008	CABLE FIBER OPTIC 8 FEET	\$ 12.29	\$ 14.74
44A6006/0009	CABLE FIBER OPTIC 9 FEET	\$ 10.09	\$ 12.11
44A6006/0010	CABLE FIBER OPTIC 10 FEET	\$ 10.39	\$ 12.47
44A6006/0011	CABLE FIBER OPTIC 11 FEET	\$ 13.00	\$ 15.60
44A6006/0012	CABLE FIBER OPTIC 12 FEET	\$ 11.13	\$ 13.35
44A6006/0015	CABLE FIBER OPTIC 15 FEET	\$ 11.45	\$ 13.74
44A6006/0020	CABLE FIBER OPTIC 20 FEET	\$ 14.48	\$ 17.38
44A6006/0025	CABLE FIBER OPTIC 25 FEET	\$ 16.11	\$ 19.33
44A6006/0030	CABLE FIBER OPTIC 30 FEET	\$ 17.73	\$ 21.28
44A6006/0032	CABLE FIBER OPTIC 32 FEET	\$ 23.93	\$ 28.71
44A6006/0033	CABLE FIBER OPTIC 33 FEET	\$ 13.64	\$ 16.37
44A6006/0035	CABLE FIBER OPTIC 35 FEET	\$ 21.14	\$ 25.37
44A6006/0038	CABLE FIBER OPTIC 38 FEET	\$ 26.09	\$ 31.31
44A6006/0039	CABLE FIBER OPTIC 39 FEET	\$ 26.45	\$ 31.74
44A6006/0040	CABLE FIBER OPTIC 40 FEET	\$ 21.39	\$ 25.67
44A6006/0042	CABLE FIBER OPTIC 42 FEET	\$ 27.52	\$ 33.02
44A6006/0045	CABLE FIBER OPTIC 45 FEET	\$ 26.34	\$ 31.61
44A6006/0050	CABLE FIBER OPTIC 50 FEET	\$ 30.16	\$ 36.19
44A6006/0055	CABLE FIBER OPTIC 55 FEET	\$ 42.48	\$ 50.98
44A6006/0056	CABLE FIBER OPTIC 56 FEET	\$ 42.48	\$ 50.98
44A6006/0060	CABLE FIBER OPTIC 60 FEET	\$ 46.05	\$ 55.26
44A6006/0065	CABLE FIBER OPTIC 65 FEET	\$ 43.30	\$ 51.96
44A6006/0066	CABLE FIBER OPTIC 66 FEET	\$ 25.45	\$ 30.54
44A6006/0075	CABLE FIBER OPTIC 75 FEET	\$ 51.43	\$ 61.71
44A6006/0080	CABLE FIBER OPTIC 80 FEET	\$ 53.21	\$ 63.86
44A6006/0082	CABLE FIBER OPTIC 82 FEET	\$ 31.16	\$ 37.39
44A6006/0085	CABLE FIBER OPTIC 85 FEET	\$ 55.00	\$ 66.00



Price List - 2018

Part Number	Description	CDA Price	Price List
44A6006/0090	CABLE FIBER OPTIC 90 FEET	\$ 56.79	\$ 68.14
44A6006/0095	CABLE FIBER OPTIC 95 FEET	\$ 58.57	\$ 70.29
44A6006/0099	CABLE FIBER OPTIC 99 FEET	\$ 37.25	\$ 44.70
44A6006/0100	CABLE FIBER OPTIC 100 FEET	\$ 60.36	\$ 72.43
44A6006/0110	CABLE FIBER OPTIC 110 FEET	\$ 63.95	\$ 76.74
44A6006/0120	CABLE FIBER OPTIC 120 FEET	\$ 52.34	\$ 62.81
44A6006/0125	CABLE FIBER OPTIC 125 FEET	\$ 54.14	\$ 64.97
44A6006/0140	CABLE FIBER OPTIC 140 FEET	\$ 59.50	\$ 71.40
44A6006/1400	CABLE FIBER OPTIC 14 INCHES	\$ 7.11	\$ 8.53
44A6007/2S	SGRS STAB CONN. ASSY(B-CAB) (NO WIRE)	\$ 532.13	\$ 638.56
44A6014	SGRS CURR.MONITOR ASSY PWR BAY	\$ 280.54	\$ 336.65
44A6025	SURGE PROTECTION CABINET 3KV	\$ 576.37	\$ 691.64
44A6027	SGRS INDUCTOR MTG PLATE ASSY	\$ 310.04	\$ 372.05
44A6033	PLC PLATE ASSEMBLY	\$ 1,886.96	\$ 2,264.35
44A6039/LLSN	SGRS HOFFMAN REGULATOR ENCL.	\$ 7,216.89	\$ 8,660.27
44A6074/0010	SGRS LC FILTER FOR GRILL UNIT	\$ 9.86	\$ 11.83
44A6083	SGRS FERRO S1 BAY	\$ 15,255.07	\$ 18,306.09
44A6115/0001	COMPUTER INDUSTRIAL ADVANTECH	\$ 5,080.36	\$ 6,096.43
44A6115/2000	ADVANTECH IND. WINDOWS 2000	\$ 4,901.79	\$ 5,882.14
44A6115/2P4D	INDUSTRIAL RACKMOUNT COMPUTER	\$ 5,223.21	\$ 6,267.86
44A6115/3P4D	INDUSTRIAL RACKMOUNT COMPUTER	\$ 5,223.21	\$ 6,267.86
44A6115/4P4D	INDUSTRIAL RACKMOUNT COMPUTER	\$ 5,223.21	\$ 6,267.86
44A6115/DSAE	ADVANTECH INDUSTRIAL COMPUTER QUAD CORE	\$ 5,453.57	\$ 6,544.29
44A6115/F4XD	INDSTRL CMPTR 4.5GB FLSH DRV DUAL NIC XP	\$ 6,026.79	\$ 7,232.14
44A6115/FD2K	INDUSTRIAL RACKMOUNT COMPUTER FLSH DRV	\$ 6,026.79	\$ 7,232.14
44A6115/RWSL	RWSL ADVANTECH INDUSTRIAL COMPUTER	\$ 5,267.86	\$ 6,321.43
44A6115/XPQC	ADVANTECH INDUSTRIAL COMPUTER QUAD CORE	\$ 5,348.21	\$ 6,417.86
44A6155/2	SHORT HAUL MODEM PL ASSY 2 POS	\$ 2,081.46	\$ 2,497.75
44A6167/F4XD	COMMRL CMPTR 4.5GB FLSH DRV DUAL NIC XP	\$ 6,026.79	\$ 7,232.14
44A6254	FIBER OPTIC LIGHT CNTRL ASSY. MULTI MODE	\$ 3,026.79	\$ 3,632.14
44A6258/100	CABLE ASSY S7 COMM EXTENSION	\$ 415.24	\$ 498.29
44A6336	ADVANTECH SHOE BOX DOS MACHINE	\$ 2,312.50	\$ 2,775.00
44A6343/R18L	TOUCH SCRN CONTROL STATION 18 LCD	\$ 587.33	\$ 704.79
44A6352S	BRITE 12VDC FIELD PWR SUPPLY CABLE SPARE	\$ 227.28	\$ 272.74
44A6353/10	10 FT LOOP-TO-BRITE 12V PS CABLE ASSY.	\$ 309.02	\$ 370.83
44A6359/071X	CABLE FIBER OPTIC 7 FEET	\$ 53.72	\$ 64.46
44A6359/072X	CABLE FIBER OPTIC 7 FEET	\$ 53.61	\$ 64.33
44A6407	TOUCHSCREEN STAND ASSEMBLY	\$ 225.70	\$ 270.83
44A6491/R19L	19" DYNICS RACK/PANEL TOUCHSCREEN ASSY	\$ 501.43	\$ 601.72
44A6537	LAPTOP COMPUTER, 2.0-GHz MINIMUM	\$ 1,845.43	\$ 2,214.51
44A6580	SIEMENS NAVIGATOR PLC ENCLOSURE ASSEMBLY	\$ 27,633.93	\$ 33,160.71
44a6666/1	CCF/CCT STACKING FRAME LRG-LRG	\$ 532.48	\$ 638.98
44A6666/2	CCF/CCT STACKING FRAME LRG-MED	\$ 834.09	\$ 1,000.91
44a6666/3	CCF/CCT STACKING FRAME LRG-SML	\$ 828.54	\$ 994.24
44A6667/1	CCF/CCT STACKING FRAME MED-MED	\$ 637.23	\$ 764.68
44A6667/2	CCF/CCT STACKING FRAME MED-SML	\$ 837.27	\$ 1,004.72
44A6668	CCF/CCT STACKING FRAME SML-SML	\$ 948.04	\$ 1,137.64
44A6689/1	SGRS ACE COM & JUMPER (UPPER) WIRE KIT	\$ 22.70	\$ 27.24
44A6689/2	SGRS ACE2 COM & JUMPER (UPPER) WIRE KIT	\$ 120.43	\$ 144.51



Price List - 2018

Part Number	Description	CDA Price	Price List
44A6690/2	SGRS ACE2 COM (LOWER) WIRE KIT	\$ 66.25	\$ 79.50
44A6691/2	SGRS ACE2 CONTROL & PWR (TOP) WIRE KIT	\$ 271.04	\$ 325.24
44A6692/2	SGRS ACE2 CONTROL & PWR (BOTTOM) WIR KIT	\$ 255.45	\$ 306.54
44A6739/2200	MULTI MODE FIBER DRIVER ENCL ASSY (2)	\$ 2,725.24	\$ 3,270.29
44A6773/8	PCB ASSY, LATCHING FAILSAFE RELAY, 8 CH	\$ 182.73	\$ 219.28
44A6808	SAS LARGE PLC ENCLOSURE ASSEMBLY	\$ 11,098.21	\$ 13,317.86
44A6808/1501	SIEMENS PLC ENCLOSURE ASSEMBLY	\$ 12,464.29	\$ 14,957.14
44A6810	SEA-0602 - DEMO PLC ASSEMBLY	\$ 17,678.57	\$ 21,214.29
44A6832	SIEMENS PLC ENCLOSURE ASSEMBLY	\$ 12,464.29	\$ 14,957.14
44A6859	SGRS ACE2 COMM, PWR & CTRL ASSEM 4-30KW	\$ 501.91	\$ 602.29
44A6860	SGRS ACE2 COMM, PWR & CTRL ASSEM 50-70KW	\$ 309.20	\$ 371.04
44A6890	SGRS ACE1 COMM, PWR & CTRL ASSEM 4-30KW	\$ 539.52	\$ 647.42
44A6891	SGRS ACE1 COMM, PWR & CTRL ASSEM 50-70KW	\$ 322.43	\$ 386.91
44A7225	DELL LAPTOP FOR BRITE SIMULATION	\$ 1,620.29	\$ 1,944.34
44B2330	CABLE ASSY 50RIB RECEP/RECEP	\$ 132.98	\$ 159.57
44B2474/5	CABLE ASSY 9PLUG/9RECEPT 25FT	\$ 100.96	\$ 121.15
44D2254	REMOTE MULTIPLEXER ASSY	\$ 4,017.72	\$ 4,821.26
44D2520	24VDC 4.8A POWER SUPPLY ASSY	\$ 233.87	\$ 280.64
44D2522	24VDC 2.4A POWER SUPPLY ASSY	\$ 389.65	\$ 467.58
44D2531	REMOTE MPXR POWER SUPPLY ASSY	\$ 3.57	\$ 4.28
44D2576	POWER SUPPLY ASSY 24VDC 12A	\$ 638.76	\$ 766.51
44D4521	POWER SUPPLY ASSY +24VDC 7.2A	\$ 329.00	\$ 394.80
44D4522	RACK MNT MUX DRAWER PS ASSY	\$ 465.24	\$ 558.29
45A0207	SWITCH TG SPST 15A ON-OFF	\$ 3.66	\$ 4.39
45A0267	ROCKER SWITCH DPDT 10A ON-OFF	\$ 8.16	\$ 9.79
45A0300	DIP SWITCH SPST 4 POS	\$ 0.80	\$ 0.96
45A0360	PB SWITCH 2 N.O. SQU MOM LOW	\$ 26.38	\$ 31.65
45A0364	PB SWITCH 2P SQU MOM SNAP ACT	\$ 38.20	\$ 45.84
45A0402	DIP SWITCH DPDT 1 POS	\$ 4.79	\$ 5.74
45A0446	FUSEABLE DISC.SW 600A 600V	\$ 4,285.71	\$ 5,142.86
45A0477	SWITCH, ROCKER, DPDT ON-NONE-ON	\$ 12.77	\$ 15.32
45A0478	SWITCH, ROCKER, DPDT ON-OFF-ON	\$ 9.63	\$ 11.55
45A0481	FUSEABLE DISC.SW 600A 600V	\$ 5,540.07	\$ 6,648.09
46A0023	ROTARY SWITCH L-849A REIL	\$ 201.41	\$ 241.69
46A0034	ROTARY SWITCH 2P8T 1P-SHORTING	\$ 100.27	\$ 120.32
46A0052	DIP SWITCH BINARY CODED 16 POS	\$ 8.89	\$ 10.67
47A0003	FUSE 3.2A SB LITTELFUSE MDL-3-2/10	\$ 0.66	\$ 0.79
47A0004	FUSE 2A 250V FAST BLO	\$ 0.38	\$ 0.45
47A0015	FUSE 5A, 250V BUSS AGC-5	\$ 0.79	\$ 0.94
47A0017	FUSE 1A, 250V BUSS MDL-1	\$ 1.14	\$ 1.37
47A0018	FUSE 10A, 250V BUSS AGC-10	\$ 1.71	\$ 2.06
47A0021	FUSE CLIP FOR 9/32" FUSE W/MOUNTING HOLE	\$ 1.66	\$ 1.99
47A0049	FUSE 2A 250V SLO BLO	\$ 1.75	\$ 2.10
47A0061	FUSE BLOCK, 30A-300V 3AG	\$ 2.32	\$ 2.79
47A0067	FUSE CLIP	\$ 0.46	\$ 0.56
47A0082	FUSE 6.25A 250V	\$ 3.30	\$ 3.96
47A0107	FUSE 5A SB LITTELFUSE MDL-5	\$ 0.93	\$ 1.11
47A0108	FUSE 1A 500V	\$ 7.98	\$ 9.58
47A0119	FUSE 1/2A 250V SLO-BLO	\$ 0.71	\$ 0.86



Price List - 2018

Part Number	Description	CDA Price	Price List
47A0159/2	FUSE HOLDER RAIL MOUNT W/NEON	\$ 13.70	\$ 16.44
47A0181	FUSE 3.2A 250V SB 1/4 X 1-1/4	\$ 1.32	\$ 1.59
47A0182	FUSE 600A 600V 10-3/8"	\$ 754.52	\$ 905.42
47A0183	1-AMP T. DELAY CLASS CC 600VAC	\$ 8.07	\$ 9.69
47A0203	FUSE, 1A, SLO BLO, 5 x 20mm	\$ 0.63	\$ 0.75
47A0204	FUSE, 3A, SLO BLO, 5 x 20mm	\$ 1.48	\$ 1.78
47A0220	FUSE 150A 600V	\$ 306.39	\$ 367.67
48A0048/5	INDICATOR GREEN NEON	\$ 8.23	\$ 9.88
48A0089	PHOTOCELL 120VAC	\$ 80.36	\$ 96.43
48A0089/240	PHOTOCELL 240VAC	\$ 69.05	\$ 82.86
48A0392	FLUORESCENT TUBE FOR 56A0521 LIGHT KIT	\$ 11.38	\$ 13.65
49A0007	RELAY SOCKET	\$ 2.23	\$ 2.68
49A0011	IC SOCKET 8 PIN	\$ 0.43	\$ 0.51
49A0012	IC SOCKET 14 PIN	\$ 0.13	\$ 0.15
49A0013	IC SOCKET 16 PIN	\$ 0.66	\$ 0.79
49A0025	RELAY SOCKET 11 PIN PANEL MNT	\$ 8.00	\$ 9.60
49A0040	FUSE HOLDER 3.2A FOR RB-2	\$ 3.32	\$ 3.99
49A0075	SOCKET RELAY L849	\$ 14.18	\$ 17.01
49A0076	RELAY SPRING	\$ 0.59	\$ 0.71
49A0077	RELAY SPRING	\$ 0.48	\$ 0.58
49A0084	FUSEHOLDER	\$ 10.13	\$ 12.15
49A0086	STANDOFF INSULATOR 2.5KV	\$ 11.05	\$ 13.26
49A0095	PHOTOCELL SOCKET	\$ 11.73	\$ 14.08
49A0100	IC SOCKET 6 PIN	\$ 0.13	\$ 0.15
49A0129	JUMPER 2-PIN LOW PRO TIN .100	\$ 0.14	\$ 0.17
49A0130	HEADER 1 ROW .100 CTRS 3 PIN	\$ 0.16	\$ 0.19
49A0133	IC SOCKET 20 PIN	\$ 1.14	\$ 1.37
49A0134	IC SOCKET 40 PIN	\$ 3.64	\$ 4.37
49A0137	SOCKET, 120VAC, L852E INSET LIGHT	\$ 6.30	\$ 7.56
49A0155	RELAY SOCKET 14 BLADE PANEL & DIN MOUNT	\$ 6.21	\$ 7.46
49A0252	RELAY SOCKET 8 BLADE RAIL MNT	\$ 10.88	\$ 13.05
49A0256	IC SOCKET 32 PIN STRIP	\$ 2.14	\$ 2.57
49A0265	IC SOCKET 4 PIN MTG PAD	\$ 19.02	\$ 22.82
49A0280	RELAY SOCKET 8 PIN OCTAL RAIL	\$ 8.45	\$ 10.14
49A0281	RELAY SOCKET 14 BLADE RAIL MNT	\$ 13.88	\$ 16.65
49A0305	INDICATOR LED 2.2V 9MM RED	\$ 8.14	\$ 9.77
49A0344	STAND OFF 2-1/2" M-F 8-32 1/4 HEX	\$ 1.82	\$ 2.19
4ROOM2201W12	RES 4W 2.2K 5% WW MIL	\$ 1.25	\$ 1.50
50A0026	HTSINK FOR TO-3 BLK ANODIZE	\$ 2.11	\$ 2.53
50A0036	HTSINK 2.5"	\$ 2.46	\$ 2.96
50A0054/1	HTSINK ROUND TOP & BASE	\$ 9.82	\$ 11.79
51A0018	FAN 6.72"DIA 200/240CFM 115VAC	\$ 127.52	\$ 153.02
51A0021/1	HEATER W/ THRM. 100W 115V 60HZ	\$ 189.71	\$ 227.66
51A0038	ENCLOSURE COOLING FAN, 215CFM, 115VAC	\$ 224.55	\$ 269.46
51A0039	NONE	\$ 58.89	\$ 70.67
52A0003	DIAC	\$ 0.86	\$ 1.03
52A0071	IC AD536AJH	\$ 29.91	\$ 35.89
52A0121	POWER METER 20V~1000kV 5mA~50000A	\$ 1,194.64	\$ 1,433.57
53A0135	RELAY 3PDT 10A 120VAC COIL	\$ 19.48	\$ 23.38



Price List - 2018

Part Number	Description	CDA Price	Price List
53A0186	TD RELAY 1.8-180SEC 24VAC	\$ 145.25	\$ 174.30
53A0231	RELAY DPDT 15A 24VDC COIL	\$ 12.52	\$ 15.02
53A0260	RELAY 120VAC DPDT L849	\$ 14.23	\$ 17.08
53A0283/3	48VDC CURRENT OPERATED SWITCH	\$ 152.68	\$ 183.21
53A0284	RELAY 4PDT 1A 120VAC COIL	\$ 51.63	\$ 61.95
53A0292	RELAY DPDT 3A 24VDC COIL	\$ 19.71	\$ 23.66
53A0301	RELAY 4PDT 12VDC KHAU-17D12-12	\$ 12.11	\$ 14.53
53A0310	RELAY 4PDT 3A 24VDC COIL	\$ 16.84	\$ 20.21
53A0323	RELAY DPDT 5A 24VDC COIL	\$ 15.23	\$ 18.28
53A0347	VACUUM RELAY SPST-NO	\$ 373.21	\$ 447.86
53A0354	RELAY DPDT 12VDC COIL	\$ 5.36	\$ 6.43
53A0368	RELAY SPDT 1A, 24VDC COIL	\$ 3.02	\$ 3.62
53A0369	RELAY DPST 2 COIL LATCHING 24V	\$ 7.05	\$ 8.46
53A0373	TD RELAY INTERVAL ON 24V COIL	\$ 85.71	\$ 102.86
54A0016/110	THERMOSTAT 110F. SNAP DISK	\$ 20.09	\$ 24.11
54A0016/120	THERMOSTAT 120F. SNAP DISK	\$ 12.80	\$ 15.36
54A0021/8060	THERM. W/LEADS, NO-HERM, SURF,CLOSE80	\$ 9.46	\$ 11.36
54A0022/8060	THERM. W/LEADS, NO-HERM STUD,CLOSE80	\$ 10.91	\$ 13.09
54A0025/8060	THERM. W/O LEADS, NO-HERM, SURF,CLOSE80	\$ 9.20	\$ 11.04
54A0026/8060	THERM. W/O LEADS, NO-HERM STUD,CLOSE80	\$ 7.14	\$ 8.57
54A0027/6080	THERM.W/O LEADS, NO-HERM SURFMTG,CLOSE60	\$ 14.29	\$ 17.14
54A0029/8060	THERM. W/LEADS, NO-HERM STUD,CLOSE80	\$ 19.21	\$ 23.06
55A0010	12 VOLT 55 A.H. UPS / TELECOM BATTERY	\$ 281.23	\$ 337.48
56A0010	HOLE SEAL 3/4"	\$ 6.09	\$ 7.31
56A0201	POWER BAR 8 RECEPTACLE COMP	\$ 67.48	\$ 80.98
56A0201/6R	POWER BAR 6 RECEPTACLE ROTATED	\$ 67.48	\$ 80.98
56A0248	ENCL 20H x 24W x 8D NEMA 4	\$ 433.91	\$ 520.69
56A0289	ENCL 30H x 30W x 8D NEMA 12	\$ 298.29	\$ 357.94
56A0303	ENCL 10H x 8W x 3.875D FIBERGL	\$ 51.61	\$ 61.93
56A0315	CASTERS, SET OF 4, PROLINE	\$ 125.57	\$ 150.69
56A0381	ENCL 30H x 30W x 12D NEMA 12	\$ 371.59	\$ 445.91
56A0384	ECL 10x8x3.88 DEEP CVR FBRGL	\$ 34.36	\$ 41.23
56A0387	ACE INTERNAL MT. ASSY	\$ 365.18	\$ 438.21
56A0412	ENCL 20Hx20Wx12D NEMA 4X(OUTDR	\$ 677.89	\$ 813.47
56A0416	MOUNTING FOOT KIT HOFFM ENCL	\$ 18.71	\$ 22.46
56A0429	HOFFMAN GUIDE RAILS	\$ 34.89	\$ 41.87
56A0430	HOFFMAN BASE ENCLOSURE WITH SHELF	\$ 4,140.21	\$ 4,968.26
56A0430/230	HOFFMAN BASE ENCLOSURE WITH 230V FAN	\$ 4,764.09	\$ 5,716.91
56A0431	HOFFMAN MODIFIED SHELF 256JU	\$ 110.48	\$ 132.58
56A0432/1	GRID STRAPS (PAIR) 1 HOLE	\$ 60.36	\$ 72.43
56A0432/3	GRID STRAPS (PAIR) 3 HOLE	\$ 76.45	\$ 91.74
56A0433/12U	RACK ANGLE 12U (PAIR)	\$ 102.48	\$ 122.98
56A0433/14U	RACK ANGLE 14U (PAIR)	\$ 90.66	\$ 108.79
56A0433/16U	RACK ANGLE 16 U (PAIR)	\$ 110.50	\$ 132.60
56A0433/2U	RACK ANGLE 2 U (PAIR)	\$ 17.86	\$ 21.43
56A0433/3U	RACK ANGLE 3 U (PAIR)	\$ 20.55	\$ 24.66
56A0433/42U	RACK ANGLE 42 U (PAIR)	\$ 93.04	\$ 111.64
56A0433/4U	RACK ANGLE 4 U (PAIR)	\$ 48.02	\$ 57.62
56A0433/6U	RACK ANGLE 6 U (PAIR)	\$ 42.96	\$ 51.56



Price List - 2018

Part Number	Description	CDA Price	Price List
56A0433/9U	RACK ANGLE 9 U (PAIR)	\$ 84.21	\$ 101.06
56A0434	HOFFMAN BASE ENCLOSURE DOUBLE	\$ 5,104.61	\$ 6,125.53
56A0435	SOLID FULL DOOR 1600 X 600	\$ 327.21	\$ 392.66
56A0436	WINDOW FULL DOOR 1600 X 600	\$ 758.68	\$ 910.41
56A0449	HOFFMAN BRITE ENCLOSURE BASE	\$ 3,108.84	\$ 3,730.61
56A0493	HOFFMAN BASE ENCLOSURE 2000 X 600 X 800	\$ 4,606.96	\$ 5,528.36
56A0494	SLIDE OUT SHELF FOR 600 X 800 ENCL 800 D	\$ 187.00	\$ 224.40
56A0495	ENCL 16H x 12W X 8D NEMA 1	\$ 99.89	\$ 119.87
56A0496	BRITE MASTER DOUBLE BAY ENCLOSURE	\$ 4,291.75	\$ 5,150.10
56A0497	SLIDE OUT SHELF FOR 600 X 800 ENCL 600 D	\$ 232.21	\$ 278.66
56A0499	INPUT POWER BAY, CCTS	\$ 1,897.32	\$ 2,276.79
56A0500	BLANK PANEL FOR 600 X 800 ENCL 800 D	\$ 155.39	\$ 186.47
56A0523	ENCL 20" X 16" X 8.62" NEMA 1	\$ 102.29	\$ 122.74
56A0525	ENCL 24" X 16" X 8.62" NEMA 1	\$ 107.29	\$ 128.74
56A0526	ENCL 20" X 20" X 8.62" NEMA / mod	\$ 299.21	\$ 359.06
56A0527	MOUNTING CHANNEL FOR PROLINE ENCLOSURE	\$ 60.00	\$ 72.00
56A0528	MOUNTING CHANNEL HARDWARE KIT	\$ 38.21	\$ 45.86
56A0529	HOFFMAN ENCLOSURE 24 H X 24W X 8 D NEMA	\$ 264.88	\$ 317.85
56A0530	ENCL 24H x 24W x 12D NEMA 12	\$ 359.82	\$ 431.79
56A0531-L	BRITE MASTER SINGLE BAY ENCLOSURE-LEFT	\$ 3,764.05	\$ 4,516.86
56A0531-R	BRITE MASTER SINGLE BAY ENCLOSURE-RIGHT	\$ 3,619.27	\$ 4,343.12
56A0532	CONTROL CABINET, PORT HARDY MODIFIC	\$ 2,029.38	\$ 2,435.25
56A0533	DISTRIB. CABINET, PORT HARDY MODIFIC	\$ 2,352.91	\$ 2,823.49
56A0536	NEMA 4X FIBERGLASS ENC 20H X 20W X 8D	\$ 1,035.13	\$ 1,242.15
56A0540	IND ENCL., NEMA 1, 24H20W9D, ORD INC MON	\$ 414.29	\$ 497.14
56A0541	ENCL 72H X 36W X 18D W/ BACK PLATE	\$ 1,230.95	\$ 1,477.14
56A0542	ENCL 36H X 30W X 10D NEMA 4	\$ 490.32	\$ 588.39
56A0543/1	Nema 4, 16 X 16 X 8, 1 leg	\$ 300.80	\$ 360.96
56A0543/11	Hoff# CSD16168SS-MOD 1 LEG	\$ 1,124.54	\$ 1,349.44
56A0543/2	Nema 4, 16 X 16 X 8, 2 leg	\$ 347.23	\$ 416.68
56A0543/21	Hoff# CSD16168SS-MOD 2 LEG	\$ 1,601.96	\$ 1,922.36
56A0566	ENCL 16H x 20W x 8D NEMA 4	\$ 418.59	\$ 502.31
56A0566/1	ENCL 16H x 20W x 8D NEMA 4 SS	\$ 648.04	\$ 777.64
56A0567	ENCL 24H x 24W x 8D NEMA 4x STNLS	\$ 986.88	\$ 1,184.25
56A0571	ENCL 20 X 16 X 10 FIBERGLASS NEMA4X	\$ 1,068.57	\$ 1,282.29
56A0572	VELCRO - INDUSTRIAL 2" x 12"	\$ 28.00	\$ 33.60
56A0578	FREE STNDNG ENCL 72H X 36W X 30D NEMA 12	\$ 1,528.66	\$ 1,834.39
56A0616	FIBERGLASS ENCLOSURE 32.48 X 40.35	\$ 2,210.21	\$ 2,652.26
56A0617	APS SUB RACK ASSEMBLY	\$ 2,525.41	\$ 3,030.49
56A0618	ACCESSPLUS II DOUBLE-HINGE TYPE 1 ENCLSR	\$ 889.98	\$ 1,067.98
56A0623	19 INCH FIXED SHELF	\$ 104.07	\$ 124.89
56A0624	19 INCH SLIDE-OUT SHELF	\$ 100.68	\$ 120.81
56A0625	PANEL FOR 56A0621 ENCLOSURE 60X48X16	\$ 238.73	\$ 286.48
56A0637/111	ENCL 16H x 16W x 8D NEMA 4	\$ 380.21	\$ 456.26
56A0637/112	ENCL 16H x 16W x 8D NEMA 4	\$ 297.82	\$ 357.39
56A0637/123	ENCL 16H x 20W x 8D NEMA 4	\$ 1,161.91	\$ 1,394.29
56A0641	ENCL 16 X 14 X 10 TYPE 12 HINGED	\$ 149.18	\$ 179.01
56A0642	ENCL 16 X 14 X 10 TYPE 12 HINGED	\$ 40.64	\$ 48.77
56B0097	ENCL 8H x 8W x 4D NEMA 13	\$ 53.48	\$ 64.18



Price List - 2018

Part Number	Description	CDA Price	Price List
56D0123	ENCL 14H x 12W X 8D NEMA 1	\$ 67.57	\$ 81.09
56D0124	ENCL 20H x 16W x 8D NEMA 4	\$ 303.63	\$ 364.35
56D0124/SS	ENCL 20H x 16W x 8D NEMA 4 - STAINLESS	\$ 1,064.02	\$ 1,276.82
57A0097/1	DIN MOUNT MINI CIRCUIT BREAKER 1A	\$ 61.13	\$ 73.35
57A0097/10	DIN MOUNT MINI CIRCUIT BREAKER 10A	\$ 55.52	\$ 66.62
57A0097/16	DIN MOUNT MINI CIRCUIT BREAKER 16A	\$ 85.05	\$ 102.06
57A0097/2	DIN MOUNT MINI CIRCUIT BREAKER 2A	\$ 61.13	\$ 73.35
57A0097/20	DIN MOUNT MINI CIRCUIT BREAKER 20A	\$ 56.88	\$ 68.25
57A0097/3	DIN MOUNT MINI CIRCUIT BREAKER 3A	\$ 77.50	\$ 93.00
57A0097/40	DIN MOUNT MINI CIRCUIT BREAKER 40A	\$ 94.20	\$ 113.04
57A0097/EXT	EXTENSION TERMINAL 35MM 2-14AWG	\$ 33.16	\$ 39.79
57A0097/P12T	BUS BAR 1 POLE 12 TERMINALS	\$ 59.95	\$ 71.94
57A0097/P6T	BUS BAR 1 POLE 6 TERMINALS	\$ 26.02	\$ 31.22
57A0097/SHROUD	3 POLE BUS BAR SHROUD	\$ 8.27	\$ 9.92
5R00M5600W15	RES 5W 560 1% WW MIL	\$ 0.70	\$ 0.84
60A2576	ACE-FERRO RSNT CCR PCB MTG PL	\$ 82.14	\$ 98.57
60A2586	SGRS SPARE DOOR(ACE CUTOUT)	\$ 142.61	\$ 171.13
60A2617	TOUCHSCREEN ASSEMBLY CONSOLE	\$ 1,322.76	\$ 1,587.31
60A2626	TOUCHSCREEN ASSY MOUNTING BRKT	\$ 1,431.30	\$ 1,717.57
60A2668	SGRS LC STAB CONN MTG RAILS	\$ 302.70	\$ 363.24
60A2673	SGRS LC REGULATOR WIRE SHIELD	\$ 0.96	\$ 1.15
60A2674	SGRS LC P.PACK SLIDE RAILS	\$ 1,010.63	\$ 1,212.75
60A2676	SGRS LC BUSBAR	\$ 38.43	\$ 46.11
60A2686	SGRS FERRO STOP PIN	\$ 12.50	\$ 15.00
60A2688	SGRS FERRO RAIL LEFT	\$ 71.91	\$ 86.29
60A2689	SGRS FERRO RAIL RIGHT	\$ 78.71	\$ 94.46
60A2694	SGRS FERRO CONNCT FIXED BASE	\$ 55.50	\$ 66.60
60A2697	BRACKET INTERLOCK SWITCH	\$ 4.72	\$ 5.66
60A2705/1	BLANK PANEL 19"RCKMNT	\$ 313.17	\$ 375.81
60A2809	SGRS FERRO BARRIER TRAY	\$ 57.39	\$ 68.87
60A2811	SGRS FERRO FEMALE HOUSING HI	\$ 42.41	\$ 50.89
60A2812	CAP HI-V CONNECTOR FERRO SGRS	\$ 26.41	\$ 31.69
60A2813	SGRS FERRO LOCKNUT HI-V CONN	\$ 14.45	\$ 17.34
60A3162	ASE-04159 VAULT PLC BACKPLATE	\$ 210.07	\$ 252.08
60A3168	ASE-04159 - TERMINAL ASSY BACKPLATE	\$ 180.78	\$ 216.94
60A4051S	RGL PHOTOCCELL SOCKET MOUNTING NUT	\$ 29.67	\$ 35.61
60A4221	LED INT LIT WC MOUNTING BAR RETROFIT	\$ 30.80	\$ 36.96
61A0011	RB-2/4 VENT SCREENS 41-V ALUM	\$ 1.68	\$ 2.01
61A0251	CLIP LED	\$ 0.14	\$ 0.17
61A0290	GLASTIC STANDOFF INSULATOR 600V	\$ 3.79	\$ 4.54
61A0292	R TYPE FUSE CONVER KIT (600A)	\$ 44.18	\$ 53.01
61A0293	FLEX MAGNETIC STRIPPING 5/8"	\$ 23.32	\$ 27.99
61A0317	CROUSE-HINDS PT FOR 20KW CCR	\$ 419.64	\$ 503.57
61A0317/30	CROUSE-HINDS PT FOR 30KW CCR	\$ 1,587.50	\$ 1,905.00
61A0318	CROUSE-HINDS CT 6.6A	\$ 1,205.36	\$ 1,446.43
61A0327/64	BALL LOCK PIN 3/8 X 4"	\$ 60.77	\$ 72.92
61A0415	PUSH MOUNT WIRE TIE	\$ 0.32	\$ 0.39
61A0425	SPRING .48 OD x .04 WIRE DIA X 1.5 LG SS	\$ 1.63	\$ 1.95
61A0435	FULL PANEL FOR 56A0578 ENCLOSURE	\$ 258.34	\$ 310.01



Price List - 2018

Part Number	Description	CDA Price	Price List
61A0464	APS 2000W ENCLOSURE	\$ 382.14	\$ 458.57
61A0492	THERMAL PAD, 11X18, K52-3, .004"	\$ 79.66	\$ 95.59
62A2130	STAB CONNECTOR GUIDE PIN	\$ 18.75	\$ 22.50
63A0103	GROMMET 7/16" RUBBER	\$ 0.54	\$ 0.64
63A0247	GROMMET, RUBBER, .68 THRU, 1/8 PNL THK	\$ 1.14	\$ 1.37
63A0255	CABLE TIE MOUNT METAL	\$ 0.29	\$ 0.34
63A0327	TIE HOLDER W/ADHESIVE NYLON	\$ 1.57	\$ 1.89
63A0411	NYLON STAND-OFF, M-M, 6-32, 3/4LG	\$ 0.30	\$ 0.36
63A0413	GROMMET 1 1/2"	\$ 0.98	\$ 1.18
63A0436	GROMMET 1.75" FITS HOLE DIA.	\$ 1.82	\$ 2.19
63A0566	SWITCH BOOT	\$ 8.68	\$ 10.41
63A0728	HOLE PLUG 1/2" BLACK	\$ 0.36	\$ 0.43
63A0791	RUBBER BUMPERS 5/8" (FEET)	\$ 0.34	\$ 0.41
63A0904	CLAMP CABLE W/ FOAMTAPE MNTG	\$ 0.21	\$ 0.26
63A0997	SGRS LC P.PACK BUSBAR GUARD	\$ 67.25	\$ 80.70
63A0999	SGRS LC HI VOLT SHIELD FRONT	\$ 120.54	\$ 144.64
63A1001	SGRS LC HI VOLT SHIELD BACK	\$ 120.54	\$ 144.64
63A1103	KNOB L-849A/E VERTICAL ADJUSTMENT	\$ 3.18	\$ 3.81
64A0173/10	1/4-20 X 5/8 HX HD	\$ 0.14	\$ 0.17
64A0191/8	8-32 X 1/2 PAN HD PHIL	\$ 0.04	\$ 0.04
64A1014/8	6-32 x .5" FILLISTER HD PNL SCREW SS	\$ 4.21	\$ 5.06
64A1015/12	10-32 X 3/4", .43 DIA HD. CAPTIVE PNL	\$ 2.75	\$ 3.30
64A1015/13	10-32 X 13/16", .43 DIA HD. CAPTIVE PNL	\$ 4.43	\$ 5.31
65A0530	10-32 CAGE NUT (PACKAGE OF 20)	\$ 11.07	\$ 13.29
66A0026/24	1/4 SPLIT LOCKWASHER	\$ 0.04	\$ 0.04
66A0212/32	STANDOFF HEX M-F 2 X 1/4X 8-32	\$ 2.43	\$ 2.91
67A0044	ADHESIVE DBL FACED SHT 9"X11"	\$ 2.86	\$ 3.43
67A0081	THERML JOINT COMPOUND CONDUCT	\$ 0.02	\$ 0.02
6GK7343-1CX10-0XE0	CP 343-1 LEAN	\$ 1,406.63	\$ 1,687.95
70A0027	TERM RING 16-14AWG #8 INSUL BLUE	\$ 0.13	\$ 0.15
70A0035	PLUG BNC RGU58	\$ 9.16	\$ 10.99
70A0038	TERM PCB BLK 6POS 3/8 SPACING	\$ 7.41	\$ 8.89
70A0150	TERM RING 22-18AWG 1/4 INSUL	\$ 0.23	\$ 0.28
70A0151	TERM FORK 12-10AWG #8 INSUL	\$ 0.18	\$ 0.21
70A0153	TERM RING 12-10AWG 1/4 INSUL	\$ 0.18	\$ 0.21
70A0195	TERM RING 12-10AWG #10 INSUL	\$ 0.18	\$ 0.21
70A0264	DISCONNECT FEM 16-14 .25X.03 IN VINYL	\$ 0.75	\$ 0.90
70A0269	PCB DIN CONN	\$ 6.75	\$ 8.10
70A0279	DISCONNECT FEM 22-18 .25X.03 I	\$ 0.13	\$ 0.15
70A0284	TERM RING 22-18AWG 1/2 INSUL	\$ 1.70	\$ 2.04
70A0288	BUTT SPLICE VINYL 22-18AWG INSU	\$ 0.20	\$ 0.24
70A0289	TERM RING 16-14AWG 3/8 NOINSUL	\$ 0.14	\$ 0.17
70A0290	TERM RING 8AWG 3/8 NOINSUL	\$ 0.41	\$ 0.49
70A0291	TERM RING 6AWG 3/8 NOINSUL	\$ 0.45	\$ 0.54
70A0326	PCB HEADER 26PIN VERTICAL	\$ 4.20	\$ 5.04
70A0327	PCB RIBBON CONN 26 PIN KEYED	\$ 3.95	\$ 4.74
70A0328	MALE DISC 16-14AWG .25X.03 INS	\$ 0.27	\$ 0.32
70A0329	FEM DISC 16-14AWG .25X.03 INS	\$ 0.13	\$ 0.15
70A0335	PCB HEADER 50PIN VERTICAL	\$ 5.27	\$ 6.32



Price List - 2018

Part Number	Description	CDA Price	Price List
70A0336	PCB RIBBON CONN 50PIN	\$ 14.21	\$ 17.06
70A0337	FASTON MALE TAB PCB MT .25X.03	\$ 0.05	\$ 0.06
70A0348	TEST PT TP-104-01-04	\$ 0.13	\$ 0.15
70A0391	HEADER 1 TO 36 POS BREAK AWAY	\$ 0.88	\$ 1.05
70A0451	CONN BNC 50 ohm	\$ 6.84	\$ 8.21
70A0452	CONN HD-20 RIGHT ANGLE	\$ 6.70	\$ 8.04
70A0461	MALE PLUG 15A/125V	\$ 13.30	\$ 15.96
70A0490	PLUG CONN 14 PIN METAL BODY	\$ 47.57	\$ 57.09
70A0491	CORD STRAIN RELIEF METAL CLAMP	\$ 24.36	\$ 29.23
70A0525/03	CONN PLUG 3 POS 5.08MM 90DEG	\$ 4.50	\$ 5.40
70A0525/04	CONN PLUG 4 POS 5.08MM 90DEG	\$ 4.14	\$ 4.97
70A0571	HI-VOLT CONN (FEMALE) FERRO SGRS	\$ 62.77	\$ 75.32
70A0690/12	CONN PLUG 12 POS 3.81mm W/SCREW FLANGE	\$ 8.11	\$ 9.73
70A0706	5-POS FEMALE PLUG, SCREW CONN 12A, 250V	\$ 10.48	\$ 12.58
70A0707	5-POS MALE PLUG, SCREW CONN 8A, 250V	\$ 6.46	\$ 7.76
70A0708	3-POS FEMALE PLUG, SCREW CONN 12A, 400V	\$ 7.68	\$ 9.21
70A0709	3-POS MALE PLUG, SCREW CONN 12A, 500V	\$ 2.91	\$ 3.49
70A0714	RA FEM DISC 16-14AWG 1/4 X .032 600V	\$ 0.30	\$ 0.36
70A0742	COMBICON PLUG, 5.08mm, 8 POS	\$ 17.95	\$ 21.54
70A0743	COMBICON SOCKET, 5.08mm, 8 POS	\$ 11.52	\$ 13.82
70A0756	PLUG, MALE, 30AMP, 2 POLE, 3 WIRE, 125V	\$ 40.63	\$ 48.75
71A0004	HEATSHRINK 1/8" BLACK SPOOL	\$ -	\$ -
71A0007	HEATSHRINK 3/8" CLEAR	\$ 2.41	\$ 2.89
71A0071	HEATSHRINK TUBE 1/4" BLACK	\$ 1.59	\$ 1.91
71A0094	HEATSHRINK LED SIGN CAPACITOR	\$ 2.45	\$ 2.94
72A0010	GROUND LUG	\$ 0.86	\$ 1.03
72A0036	RING TERM 22-18AWG #6 INSUL	\$ 0.18	\$ 0.21
72A0101	TURRET TERMINAL BOARD 12POS	\$ 10.27	\$ 12.32
72A0116/11	HEADER PCB 4 PIN VERTICAL 5.08	\$ 1.32	\$ 1.59
72A0116/3	HEADER PCB 6 PIN VERTICAL 5MM	\$ 1.27	\$ 1.52
72A0116/4	HEADER PCB 6 PIN PARALLEL 5MM	\$ 1.63	\$ 1.95
72A0150	PCB CONN 24 PIN	\$ 20.73	\$ 24.88
72A0155	GROUND LUG	\$ 3.63	\$ 4.35
72A0163	CONN 4 PIN RECEPTACLE	\$ 0.18	\$ 0.21
72A0164	PIN RECPT 18-24AWGC	\$ 0.05	\$ 0.06
72A0167	HEADER PCB 8 PIN VERTICAL	\$ 1.79	\$ 2.14
72A0168	CONN 24 PIN	\$ 8.18	\$ 9.81
72A0177	PLUG SIZE 23 57 PIN	\$ 23.45	\$ 28.14
72A0179	PIN PLUG HDP-20	\$ 0.14	\$ 0.17
72A0216	TERM BLK GND'NG GRN/YEL 20-6AWG 10mm	\$ 6.55	\$ 7.86
72A0217/1	TERMINAL BLOCK END CLAMP 10MM	\$ 1.50	\$ 1.80
72A0217/2	TERMINAL BLOCK END CLAMP W/LABEL 10MM	\$ 6.54	\$ 7.84
72A0219	TRM BLK GND'NG GRN/YEL 24-12AWG 6mm	\$ 8.88	\$ 10.65
72A0221	TERM BLK END COVER FOR WIELAND 10mm	\$ 0.52	\$ 0.62
72A0223/1	TERM BLK 22-10AWG 600V GREY 6mm	\$ 1.14	\$ 1.37
72A0223/2	TERM BLK 22-10AWG 600V WHITE	\$ 3.32	\$ 3.99
72A0223/3	TERM BLK 22-10AWG 600V BLACK	\$ 3.54	\$ 4.24
72A0223/4	TERM BLK 22-10AWG 600V RED	\$ 3.73	\$ 4.48
72A0223/5	TERM BLK 22-10AWG 600V BLUE	\$ 1.21	\$ 1.46



Price List - 2018

Part Number	Description	CDA Price	Price List
72A0223/6	TERM BLK 22-10AWG 600V YELLOW	\$ 3.36	\$ 4.03
72A0224	TERMINAL BLK LABEL 6MM	\$ 6.75	\$ 8.10
72A0225/3	TERM BLK GRAY 10.2mm	\$ 2.34	\$ 2.81
72A0233	CLAMP SIZE 17	\$ 6.95	\$ 8.34
72A0242	PIN PLUG 24-20 AWG	\$ 0.66	\$ 0.79
72A0248	FUSE HOLDER END PIECE	\$ 1.07	\$ 1.29
72A0262/1	TRM BLK DBL DECK GRY 6mm	\$ 11.80	\$ 14.16
72A0263	TRM BLK DBL DECK END PIECE 6mm	\$ 1.16	\$ 1.39
72A0290	RJ45 PLUG CONNECTOR	\$ 0.88	\$ 1.05
72A0293	PLUG/SOCKET MATED 10PIN	\$ 28.64	\$ 34.37
72A0305/2	HINGED HOOD 6 PLACE A-F	\$ 34.29	\$ 41.14
72A0306/2	100 AMP INSERT 2 PLACE FEMALE 2-6AWG	\$ 60.41	\$ 72.49
72A0307	CABLE SHOE PIN	\$ 7.98	\$ 9.58
72A0308	BLIND DOCK FRAME 6 POS W/MOD	\$ 74.91	\$ 89.89
72A0309/2	12 PIN INSERT FEMALE	\$ 3.27	\$ 3.92
72A0310/2	CRIMP PIN FEMALE 18 AWG	\$ 0.95	\$ 1.14
72A0311/2	6 PIN INSERT FEMALE	\$ 6.02	\$ 7.22
72A0312/2	RELAY CRIMP PIN FEMALE	\$ 0.73	\$ 0.88
72A0313/2	FIBER PIN FEMALE	\$ 25.27	\$ 30.32
72A0314	LUG CRIMP #6 2-HOLE 1/4", 5/8" SP,45DEG	\$ 3.84	\$ 4.61
72A0315	LUG CRIMP #8 2-HOLE 1/4", 5/8" SP,45DEG	\$ 3.00	\$ 3.60
72A0317	LUG CRIMP #4 2-HOLE 1/4", 3/4"SP, 45DEG	\$ 15.95	\$ 19.14
72A0317/1	LUG CRIMP #4AWG, 2-HOLE 1/4 DIA, 1.0"SP	\$ 16.16	\$ 19.39
72A0318	DUAL BARREL TWO HOLE BUSBAR LUG	\$ 13.09	\$ 15.71
72A0319	TERM BLK 8-18AWG 600V 40A.	\$ 2.32	\$ 2.79
72A0352	TERMINAL BLOCK W/ MINIATURE RELAY 24VDC	\$ 30.41	\$ 36.49
72A0354	SGL BARREL TWO HOLE BUSBAR LUG	\$ 13.23	\$ 15.88
72A0358	TERMINAL BLCK 120VAC COIL 1NO 1NC	\$ 79.57	\$ 95.49
72A0368/1	TERM. BLK FIXED BRIDGE 10 POS. SCREW TYP	\$ 10.71	\$ 12.86
72A0370	CONNECTOR ASSEMBLY FRAME	\$ 46.04	\$ 55.24
72A0372	MALE INSERT 24POS. SCREW CONNECTION	\$ 35.77	\$ 42.92
72A0375	FUSED TERMINAL BLOCK UK5-HESI	\$ 11.30	\$ 13.56
72A0377	CABLE MANAGEMENT VERTICAL D-RING	\$ 22.43	\$ 26.91
72A0382	DUAL BARREL TWOHOLE BUSBAR LUG #4-600MCM	\$ 35.39	\$ 42.47
72A0390	TERM BLK, UNIV GND, G/Y 10.2mm, 20-6 AWG	\$ 8.75	\$ 10.50
72A0396	1/4 MALE DISCONNECT CTRL WIRE TERMINAL	\$ 5.34	\$ 6.41
72A0407/15	CONNECTOR 15 POSITION SP 2,5/15	\$ 24.30	\$ 29.16
72A0407/5	CONNECTOR 5 POSITION SP 2,5/5	\$ 6.59	\$ 7.91
72A0414	FUSED TB 600V 10A 24VDC	\$ 23.59	\$ 28.31
72A0415	FUSED TB 600V 10A 120VAC	\$ 23.59	\$ 28.31
73a0146	JUMPER - ITCL ASSEMBLY	\$ 1.23	\$ 1.48
77A0100	CORD GRIP NYL 0.312-.375 W/ NUT&O-RING	\$ 7.30	\$ 8.76
77A0135	CONN STR BODY 0 RING .25-.312	\$ 7.20	\$ 8.64
77A0147	COMPRESSION FITTING 1/2"	\$ 0.95	\$ 1.14
77A0149	LOCKNUT 1/2" NPT	\$ 0.45	\$ 0.54
77A0164	3 1/2" BLANK COVER (OCTAGONAL)	\$ 0.46	\$ 0.56
77A0165	3 1/2" EXTENSION RING (OCTAGO)	\$ 4.45	\$ 5.34
77A0166	COMPRESSION FITTING LIQ T 1"	\$ 10.14	\$ 12.17
77A0167	FLEXIBLE CONDUIT 1" LIQ TIGHT	\$ 6.80	\$ 8.16



Price List - 2018

Part Number	Description	CDA Price	Price List
77A0168	HANGER 1" CONDUIT	\$ 0.66	\$ 0.79
77A0169	90ELBOW 1 1/4MALL STEEL FLEX	\$ 35.21	\$ 42.26
77A0170	END CAP 1 1/4" COND GUARD	\$ 0.71	\$ 0.86
77A0171	FLEXIBLE CONDUIT 1 1/4"	\$ 8.61	\$ 10.33
77A0172	PLASTIC BUSHING 1"	\$ 0.21	\$ 0.26
77A0173	STRAIGHT CONNECTOR 1 1/4 FLEX	\$ 13.16	\$ 15.79
83A0021	ROAMING MNT CNT CASE	\$ 392.86	\$ 471.43
83A0022	TRANSIT CASE	\$ 640.63	\$ 768.75
83A0023	LAPTOP CASE FOR PANASONIC TOUGHBOOK	\$ 33.93	\$ 40.71
83A0023/01	LAPTOP CASE FOR PANASONIC TOUGHBOOK 19	\$ 73.21	\$ 87.86
85A0053	INSULATOR	\$ 0.18	\$ 0.21
85A0059	SHOULDER WASHER #4 SCREW	\$ 0.18	\$ 0.21
85A0061	INSULATOR MICA	\$ 0.18	\$ 0.21
85A0074	SLIDE RAILS SLD REAR RCK MOUNT	\$ 303.57	\$ 364.29
85A0074/26	SL RAILS REAR RK MNT 26" BASE W/ B308	\$ 75.89	\$ 91.07
85A0078	SLIDE BALL BRG 26 FULL EXT RKM	\$ 321.54	\$ 385.84
85A0080	CBL CARRIER QCK DISCNT 15.55"L	\$ 71.80	\$ 86.16
85A0103	RAIL KIT 65-230LB RACK MOUNT	\$ 132.14	\$ 158.57
89A0073/1	RE 600V 200C WHITE	\$ 1.05	\$ 1.26
89A0168/5	6AWG UL1283 133/27 GRN/YL TRCR	\$ 4.52	\$ 5.42
89A0174/2	BELDEN 9842 24AWG 2 TWISTED PAIR, SHIELD	\$ 7.86	\$ 9.43
89A0175/1800	IDC CABLE STRIP-POLARIZED 26PN	\$ 19.48	\$ 23.38
89A0189	WIRE #2 THHN - DUPLICATE, USE 89A0199/9	\$ 16.64	\$ 19.97
89A0190	WIRE 350MCM THHN STRANDED COPPER	\$ 33.68	\$ 40.41
89A0190/500	WIRE 500MCM THHN STRANDED COPPER	\$ 47.98	\$ 57.58
89A0260	WIRE, 18AWG, 2 CONDUCTOR, TWISTED, SHLD	\$ 0.39	\$ 0.47
91A0028/1428	GRAVOPLY LABEL SET	\$ 27.32	\$ 32.79
91A0028/1429	RADIO CTRL INTRFCE LABELS 5CCR	\$ 119.46	\$ 143.36
91A0028/1438	GRAVOPLY LABEL SET	\$ 24.80	\$ 29.76
91A0028/1444	LABEL, ON-OFF-AUTO, FOR 45A0370	\$ 12.77	\$ 15.32
91A0028/1461	RADIO ENCLOSURE ASSY GRAVOPLY LABELS	\$ 48.57	\$ 58.29
91A0028/1462	WIRELESS I/O GRAVOPLY LABELS	\$ 59.20	\$ 71.04
91A0028/1467	ALCS LITE GRAVOPLY LABELS	\$ 142.32	\$ 170.79
91A0028/1469	I/O EXTENDER W/ PLC ASSY. GRAVOPLY LABEL	\$ 191.88	\$ 230.25
91A0028/1470	RADIO W/ FIBER DRIVER ASSY GRAVOPLY LBS	\$ 22.77	\$ 27.32
91A0028/1471	PDX-03007 (VOR 10R SPLIT) GRAVOPLY LABEL	\$ 9.11	\$ 10.93
91A0028/1472	STL-04046 GRAVOPLY LABELS	\$ 1,401.34	\$ 1,681.61
91A0028/1479	WIRELESS I/O GRAVOPLY LABELS FBRGLS ENC	\$ 61.02	\$ 73.22
91A0028/1480	HPDTA-0501 VAULT PLC ENCLOSURE GVP LBS	\$ 10.27	\$ 12.32
91A0028/1481	PGD-0501 - VAULT PLC GVP LBLS	\$ 10.45	\$ 12.54
91A0028/1484	MEX-0502 - LINEUP #1 SGRS GRAVOPLY	\$ 106.43	\$ 127.71
91A0028/1485	MEX-0502 - LINEUP #2 SGRS GRAVOPLY	\$ 106.43	\$ 127.71
91A0028/1486	MEX-0502 - LINEUP #3 SGRS GRAVOPLY	\$ 445.63	\$ 534.75
91A0028/1487	PP BAY INDICATOR GRAVOPLY LBL SPANISH	\$ 13.66	\$ 16.39
91A0028/1488	ORD-0601 - NORTH VAULT PLC ENCL GVP LBS	\$ 61.52	\$ 73.82
91A0028/1489	ORD-0601 - SOUTH VAULT PLC ENCL GVP LBS	\$ 445.63	\$ 534.75
91A0028/1495	FBR CONTROL ASSY REMOTE / LOCAL LABEL	\$ 266.07	\$ 319.29
91A0028/1496	SPST SWITCH ENCLOSURE GRAVOPLY LABEL	\$ 24.29	\$ 29.14
91A0028/1508	ATS MONITORING ENCLOSURE GRAVOPLY LABELS	\$ 16.38	\$ 19.65



Price List - 2018

Part Number	Description	CDA Price	Price List
91A0028/1509	SKF-0601 SGRS #1 GRAVOPLY LABELS	\$ 127.14	\$ 152.57
91A0028/1510	SKF-0601 SGRS #2 GRAVOPLY LABELS	\$ 127.14	\$ 152.57
91A0028/1511	FIBER DRIVER & ETHERNET SWITCH GRAVOPLYS	\$ 45.54	\$ 54.64
91A0028/1512	ORD-0601 GRAVOPLY LABELS	\$ 400.89	\$ 481.07
91A0028/1513	RDU-0801 SGRS GRAVOPLY LABELS	\$ 174.11	\$ 208.93
91A0028/1518	PP BAY INDICATOR GRAVOPLY LBL	\$ 14.57	\$ 17.49
91A0028/1526	DOOR OPEN GRAVOPLY FOR 44A6204/04	\$ 8.93	\$ 10.71
91A0028/1543	MISC I/O PLC ENCL GVP LBS	\$ 130.98	\$ 157.18
91A0028/1553	RELAY TRANSFER ASSEMBLY GRAVOPLY LABELS	\$ 61.52	\$ 73.82
91A0028/1569	UAB-1106 H1 GRAVOPLY LABELS	\$ 142.32	\$ 170.79
91A0028/1570	UAB-1106 H2 GRAVOPLY LABELS	\$ 142.32	\$ 170.79
91A0028/741	ENGR LBL FUSE & RELAY 1 PC	\$ 14.91	\$ 17.89
91A0028-1473	VCV-05010 - LINE-UP "A" GRAVOPLY LABLES	\$ 106.43	\$ 127.71
91A0028-1474	VCV-05010 - LINE-UP "B" GRAVOPLY LABLES	\$ 93.13	\$ 111.75
91A0161	GRAVOPLY LABEL, L-847 SW PLATE	\$ 34.55	\$ 41.46
94A0272	FIELD CIRCUIT INSTALL. KIT	\$ 33.61	\$ 40.33
94A0273	IRMS FIELD INSTALLATION KIT	\$ 24.27	\$ 29.12
94A0297	ACE TRANSFER INTERFACE MOD.KIT	\$ 277.74	\$ 333.29
94A0454/AC	AC CSR KIT W/ INSTRUCTIONS	\$ 249.76	\$ 299.71
94A0454/DC	DC CSR KIT W/ INSTRUCTIONS	\$ 296.30	\$ 355.57
94A0498/8	LATCHING FAILSAFE RELAY KIT, CCF, 8-CHAN	\$ 640.59	\$ 768.70
94A0536	ACE IRMS-LI FIELD INSTALLATION KIT	\$ 524.35	\$ 629.22
94D0107/110S	ALCS SCANNER READY KIT	\$ 2,125.33	\$ 2,550.39
94D0212	FUSE AND RELAY LIGHTNING KIT	\$ 105.15	\$ 126.18
97A0015	POWER SUPPLY 24 VDC 2.4A	\$ 168.48	\$ 202.18
97A0017	POWER SUPPLY 24VDC 12A	\$ 325.00	\$ 390.00
97A0019	POWER SUPPLY 24VDC 24A	\$ 1,695.52	\$ 2,034.62
99A0145/2	ENGRAVED LENS' - ONEIDA COUNTY	\$ 81.34	\$ 97.61
99A0231	LAS-03088 - ENGRAVED LENS	\$ 16.52	\$ 19.82
IF1L1L-1-8	FIBER OPTIC CABLE	\$ 7.57	\$ 9.09
IF1L1L-2-0	FIBER OPTIC CABLE	\$ 7.57	\$ 9.09
RM0009	ALUM SHT .090 THK 6061T6	\$ 13.00	\$ 15.60
RM0056	ALUM SHT .063 THK 6061T6	\$ 13.82	\$ 16.59
RM0117	ALUM SHT .125 THK 3003H14	\$ 11.96	\$ 14.36
RM0122	ALUM SHT .125 THK 6061T6	\$ 13.54	\$ 16.24
RM0142	WIREWAY 1 X 1 WHITE	\$ 8.00	\$ 9.60
RM0143	WIREWAY COVER 1" WHITE	\$ 2.57	\$ 3.09
RM0151	EN2534 COMPOUND	\$ 35.23	\$ 42.28
RM0223	ALUM SHT .250" THK 6061-T651	\$ 11.57	\$ 13.89
RM0251	MTG RAIL 7.5MM U-SHAPE	\$ 0.13	\$ 0.15
RM0326	WIREWAY COVER 2" WHITE	\$ 7.96	\$ 9.56
RM0335	WIREWAY 1W X 2H WHITE	\$ 16.64	\$ 19.97
RM0343	LEXAN SHEET .125 GLARE FREE	\$ 75.73	\$ 90.88
RM0425	TYPE G SLOTTED DUCT COVER	\$ 25.25	\$ 30.30
RM0486	WIREWAY 2W X 1H WHITE	\$ 17.39	\$ 20.87
RM0557	WIREWAY 4 X 4 WHITE	\$ 49.32	\$ 59.19
RM0558	WIREWAY 3 X 3 WHITE	\$ 48.11	\$ 57.73
RM0559	WIREWAY COVER 4" WHITE	\$ 14.23	\$ 17.08
RM0560	WIREWAY COVER 3" WHITE	\$ 17.98	\$ 21.58



Price List - 2018

Part Number	Description	CDA Price	Price List
RM0567	HEATSINK EXTRUSION 4 1/8x1.75	\$ 2.30	\$ 2.76
RM0569	WIREWAY 1W X 3H WHITE	\$ 30.93	\$ 37.11
VOR-MDT03024-1	VOR DISPLACED CENTERLINE LOOP	\$ 3,108.63	\$ 3,730.36
63A1036	INSULATOR BUSBAR, FERRO SGRS	\$ 33.93	\$ 40.71
72A0117/3	CONNECTOR 6 PIN J1 (SSALR)	\$ 4.30	\$ 5.16
42A0554	ADB label, Vinyl With PMS 298, .563x1"	\$ 4.71	\$ 5.66
44A6416/17FX	ALL IN ONE, 17", FLASH & COMPACT FLASH	\$ 4,875.00	\$ 5,850.00
44A6697	PLC ENCL ASSY (10 OUTPUTS & 14 INPUTS)	\$ 2,509.55	\$ 3,011.46
44A6818/R19L	19" ELO RACK/PANEL TOUCHSCREEN ASSY	\$ 2,118.89	\$ 2,542.67
44A6846	MONITORING ASSEMBLY FOR APC ATS	\$ 1,258.52	\$ 1,510.22
44A6889/01	UNO PC - DUAL CORE & FLASH DRV	\$ 4,567.86	\$ 5,481.43
57A0086	MINI CIR BRKR, 1P, "C" TYPE 16AMP	\$ 18.16	\$ 21.79
60A3265	ORD-0601 - 2" WIREWAY PLT (19' & 30")	\$ 145.00	\$ 174.00
60A3266	ORD-0601 - NORTH VLT PLC BACKPLATE	\$ 277.02	\$ 332.43
60A3267	ORD-0601 - 2" WIREWAY MOUNTING PLT (17")	\$ 140.09	\$ 168.10

William D. Weigel
Regional Manager - Great Lakes

EXHIBIT 6: ECONOMIC DISCLOSURE STATEMENT AND AFFIDAVITS



CITY OF CHICAGO
ECONOMIC DISCLOSURE STATEMENT and AFFIDAVIT
EDS Information Update
EDS # 124333

SECTION I -- GENERAL INFORMATION

A. Legal name of the Disclosing Party submitting the EDS:

ADB Safegate Americas, LLC

Enter d/b/a if applicable:

The Disclosing Party submitting this EDS is:

the Applicant

B. Business address of the Disclosing Party:

977 Gahanna Parkway
Columbus, OH 43230
United States

C. Telephone:

614-573-8273

Fax:

Email:

joe.pokoj@adb-air.com

D. Name of contact person:

Mr. Joseph Pokoj

E. Federal Employer Identification No. (if you have one):

WOW

94-3470237

SECTION II -- DISCLOSURE OF OWNERSHIP INTERESTS

A. NATURE OF THE DISCLOSING PARTY

1. Indicate the nature of the Disclosing Party:

Limited liability company

Is the Disclosing Party incorporated or organized in the State of Illinois?

No

State or foreign country of incorporation or organization:

Delaware

Registered to do business in the State of Illinois as a foreign entity?

No

B. DISCLOSING PARTY IS A LEGAL ENTITY:

1.a.2 Does the Disclosing Party have any officers?

Yes

1.a.4 List below the full names and titles of all executive officers of the entity.

Officer: Mr. Joseph S. Pokoj

Title: CEO

Role: Officer

Officer: Mr. Michael E. Morrow

Title: CFO

Role: Officer

B. CERTIFICATION REGARDING CONTROLLING INTEREST

1.b.1 Are there any individuals who directly or indirectly control the day-to-day management of the Disclosing Party as a general partner, managing member, manager, or other capacity?

Yes

www

1.b.2 List all general partners, managing members, managers, and any others who directly or indirectly control the day-to-day management of the Disclosing Party. Don't include any legal entities in this answer- these will be named later:

Name: Mr. Christian Onselaere
Title: Chairman of the Board

1.b.3 Are there any legal entities that directly or indirectly control the day-to-day management of the Disclosing Party as a general partner, managing member, manager, or other capacity?

No

2. Ownership Information

Please provide ownership information concerning each person or entity that holds, or is anticipated to hold (see next paragraph), a direct or indirect beneficial interest in excess of 7.5% of the Applicant. Examples of such an interest include shares in a corporation, partnership interest in a partnership or joint venture, interest of a member or manager in a limited liability company, or interest of a beneficiary of a trust, estate, or other similar entity. Note: Each legal entity below may be required to submit an EDS on its own behalf.

Please disclose present owners below. Please disclose anticipated owners in an attachment submitted through the "Additional Info" tab. "Anticipated owner" means an individual or entity in existence at the time application for City action is made, which is not an applicant or owner at such time, but which the applicant expects to assume a legal status, within six months of the time the City action occurs, that would render such individual or entity an applicant or owner if they had held such legal status at the time application was made.

• ADB Safegate Americas Holding, Inc. - 100%

Owner Details

Name	Business Address
ADB Safegate Americas Holding, Inc.	977 Gahanna Parkway Columbus, OH 43230 United States

www

SECTION III -- INCOME OR COMPENSATION TO, OR OWNERSHIP BY, CITY ELECTED OFFICIALS

A. Has the Disclosing Party provided any income or compensation to any City elected official during the 12-month period preceding the date of this EDS?

No

B. Does the Disclosing Party reasonably expect to provide any income or compensation to any City elected official during the 12-month period following the date of this EDS?

No

D. Does any City elected official or, to the best of the Disclosing Party's knowledge after reasonable inquiry, any City elected official's spouse or domestic partner, have a financial interest (as defined in Chapter 2-156 of the Municipal Code ("MCC")) in the Disclosing Party?

No

SECTION V -- CERTIFICATIONS

A. COURT-ORDERED CHILD SUPPORT COMPLIANCE

Under MCC Section 2-92-415, substantial owners of business entities that contract with the City must remain in compliance with their child support obligations throughout the contract's term.

Has any person who directly or indirectly owns 10% or more of the Disclosing Party been declared in arrearage of any child support obligations by any Illinois court of competent jurisdiction?

Not applicable because no person directly or indirectly owns 10% or more of the Disclosing Party

B. FURTHER CERTIFICATIONS

1. [This certification applies only if the Matter is a contract being handled by the City's Department of Procurement Services.] In the 5-year period preceding the date of this EDS, neither the Disclosing Party nor any Affiliated Entity has engaged, in connection with the performance of any public contract, the services of an integrity monitor, independent private sector inspector general, or integrity compliance consultant (i.e. an individual or entity with legal, auditing, investigative, or other similar skills, designated by a public agency to help the agency monitor the activity of specified agency vendors as well as help the vendors reform their business practices

WMM

so they can be considered for agency contracts in the future, or continue with a contract in progress).

I certify the above to be true

2. The Disclosing Party and its Affiliated Entities are not delinquent in the payment of any fine, fee, tax or other source of indebtedness owed to the City of Chicago, including, but not limited to, water and sewer charges, license fees, parking tickets, property taxes and sales taxes, nor is the Disclosing Party delinquent in the payment of any tax administered by the Illinois Department of Revenue.

I certify the above to be true

3. The Disclosing Party and, if the Disclosing Party is a legal entity, all of those persons or entities identified in Section II(B)(1) of this EDS:

- a. are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from any transactions by any federal, state or local unit of government;
- b. have not, during the 5 years before the date of this EDS, been convicted of a criminal offense, adjudged guilty, or had a civil judgment rendered against them in connection with: obtaining, attempting to obtain, or performing a public (federal, state or local) transaction or contract under a public transaction; a violation of federal or state antitrust statutes; fraud; embezzlement; theft; forgery; bribery; falsification or destruction of records; making false statements; or receiving stolen property;
- c. are not presently indicted for, or criminally or civilly charged by, a governmental entity (federal, state or local) with committing any of the offenses set forth in subparagraph (b) above;
- d. have not, during the 5 years before the date of this EDS, had one or more public transactions (federal, state or local) terminated for cause or default; and
- e. have not, during the 5 years before the date of this EDS, been convicted, adjudged guilty, or found liable in a civil proceeding, or in any criminal or civil action, including actions concerning environmental violations, instituted by the City or by the federal government, any state, or any other unit of local government.

I certify the above to be true

4. The Disclosing Party understands and shall comply with the applicable requirements of MCC Chapter 2-56 (Inspector General) and Chapter 2-156 (Governmental Ethics).

I certify the above to be true

WAW

5. Neither the Disclosing Party, nor any Contractor, nor any Affiliated Entity of either the Disclosing Party or any Contractor, nor any Agents have, during the 5 years before the date of this EDS, or, with respect to a Contractor, an Affiliated Entity, or an Affiliated Entity of a Contractor during the 5 years before the date of such Contractor's or Affiliated Entity's contract or engagement in connection with the Matter:

- a. bribed or attempted to bribe, or been convicted or adjudged guilty of bribery or attempting to bribe, a public officer or employee of the City, the State of Illinois, or any agency of the federal government or of any state or local government in the United States of America, in that officer's or employee's official capacity;
- b. agreed or colluded with other bidders or prospective bidders, or been a party to any such agreement, or been convicted or adjudged guilty of agreement or collusion among bidders or prospective bidders, in restraint of freedom of competition by agreement to bid a fixed price or otherwise; or
- c. made an admission of such conduct described in subparagraph (a) or (b) above that is a matter of record, but have not been prosecuted for such conduct; or
- d. violated the provisions referenced in MCC Subsection 2-92-320(a)(4)(Contracts Requiring a Base Wage); (a)(5)(Debarment Regulations); or (a)(6)(Minimum Wage Ordinance).

I certify the above to be true

6. Neither the Disclosing Party, nor any Affiliated Entity or Contractor, or any of their employees, officials, agents or partners, is barred from contracting with any unit of state or local government as a result of engaging in or being convicted of

- bid-rigging in violation of 720 ILCS 5/33E-3;
- bid-rotating in violation of 720 ILCS 5/33E-4; or
- any similar offense of any state or of the United States of America that contains the same elements as the offense of bid-rigging or bid-rotating.

I certify the above to be true

7. Neither the Disclosing Party nor any Affiliated Entity is listed on a Sanctions List maintained by the United States Department of Commerce, State, or Treasury, or any successor federal agency.

I certify the above to be true

8. [FOR APPLICANT ONLY]

- i. Neither the Applicant nor any "controlling person" [see MCC Chapter 1-23, Article I for applicability and defined terms] of the Applicant is currently indicted or charged with, or has admitted guilt of, or has ever been convicted of, or placed under supervision for, any criminal offense involving actual, attempted,

WOW

- or conspiracy to commit bribery, theft, fraud, forgery, perjury, dishonesty or deceit against an officer or employee of the City or any "sister agency" ; and
- ii. the Applicant understands and acknowledges that compliance with Article I is a continuing requirement for doing business with the City.

NOTE: If MCC Chapter 1-23, Article I applies to the Applicant, that Article's permanent compliance timeframe supersedes 5-year compliance timeframes in this Section V.

I certify the above to be true

9. [FOR APPLICANT ONLY] The Applicant and its Affiliated Entities will not use, nor permit their subcontractors to use, any facility listed as having an active exclusion by the U.S. EPA on the federal System for Award Management ("SAM")

I certify the above to be true

10. [FOR APPLICANT ONLY] The Applicant will obtain from any contractors/subcontractors hired or to be hired in connection with the Matter certifications equal in form and substance to those in Certifications (2) and (9) above and will not, without the prior written consent of the City, use any such contractor/subcontractor that does not provide such certifications or that the Applicant has reason to believe has not provided or cannot provide truthful certifications.

I certify the above to be true

11. To the best of the Disclosing Party's knowledge after reasonable inquiry, the following is a complete list of all current employees of the Disclosing Party who were, at any time during the 12-month period preceding the date of this EDS, an employee, or elected or appointed official, of the City of Chicago.

None

12. To the best of the Disclosing Party's knowledge after reasonable inquiry, the following is a complete list of all gifts that the Disclosing Party has given or caused to be given, at any time during the 12-month period preceding the execution date of this EDS, to an employee, or elected or appointed official, of the City of Chicago. For purposes of this statement, a "gift" does not include: (i) anything made generally available to City employees or to the general public, or (ii) food or drink provided in the course of official City business and having a retail value of less than \$25 per recipient, or (iii) a political contribution otherwise duly reported as required by law.

None

C. CERTIFICATION OF STATUS AS FINANCIAL INSTITUTION

The Disclosing Party certifies, as defined in MCC Section 2-32-455(b), the Disclosing Party

is not a "financial institution"

E. CERTIFICATION REGARDING SLAVERY ERA BUSINESS

If the Disclosing Party cannot make this verification, the Disclosing Party must disclose all required information in the space provided below or in an attachment in the "Additional Info" tab. Failure to comply with these disclosure requirements may make any contract entered into with the City in connection with the Matter voidable by the City.

The Disclosing Party verifies that the Disclosing Party has searched any and all records of the Disclosing Party and any and all predecessor entities regarding records of investments or profits from slavery or slaveholder insurance policies during the slavery era (including insurance policies issued to slaveholders that provided coverage for damage to or injury or death of their slaves), and the Disclosing Party has found no such records.

I can make the above verification

SECTION VII - FURTHER ACKNOWLEDGMENTS AND CERTIFICATION

The Disclosing Party understands and agrees that:

- A. The certifications, disclosures, and acknowledgments contained in this EDS will become part of any contract or other agreement between the Applicant and the City in connection with the Matter, whether procurement, City assistance, or other City action, and are material inducements to the City's execution of any contract or taking other action with respect to the Matter. The Disclosing Party understands that it must comply with all statutes, ordinances, and regulations on which this EDS is based.
- B. The City's Governmental Ethics Ordinance, MCC Chapter 2-156, imposes certain duties and obligations on persons or entities seeking City contracts, work, business, or transactions. The full text of this ordinance and a training program is available on line at www.cityofchicago.org/Ethics, and may also be obtained from the City's Board of Ethics, 740 N. Sedgwick St., Suite 500, Chicago, IL 60610, (312) 744-9660. The Disclosing Party must comply fully with this ordinance.

I acknowledge and consent to the above

The Disclosing Party understands and agrees that:

WOW

- C. If the City determines that any information provided in this EDS is false, incomplete or inaccurate, any contract or other agreement in connection with which it is submitted may be rescinded or be void or voidable, and the City may pursue any remedies under the contract or agreement (if not rescinded or void), at law, or in equity, including terminating the Disclosing Party's participation in the Matter and/or declining to allow the Disclosing Party to participate in other City transactions. Remedies at law for a false statement of material fact may include incarceration and an award to the City of treble damages.
- D. It is the City's policy to make this document available to the public on its Internet site and/or upon request. Some or all of the information provided in, and appended to, this EDS may be made publicly available on the Internet, in response to a Freedom of Information Act request, or otherwise. By completing and signing this EDS, the Disclosing Party waives and releases any possible rights or claims which it may have against the City in connection with the public release of information contained in this EDS and also authorizes the City to verify the accuracy of any information submitted in this EDS.
- E. The information provided in this EDS must be kept current. In the event of changes, the Disclosing Party must supplement this EDS up to the time the City takes action on the Matter. If the Matter is a contract being handled by the City's Department of Procurement Services, the Disclosing Party must update this EDS as the contract requires. NOTE: With respect to Matters subject to MCC Article I of Chapter 1-23 (imposing PERMANENT INELIGIBILITY for certain specified offenses), the information provided herein regarding eligibility must be kept current for a longer period, as required by MCC Chapter 1-23 and Section 2-154-020.

I acknowledge and consent to the above

APPENDIX A - FAMILIAL RELATIONSHIPS WITH ELECTED CITY OFFICIALS AND DEPARTMENT HEADS

This Appendix is to be completed only by (a) the Applicant, and (b) any legal entity which has a direct ownership interest in the Applicant exceeding 7.5%. It is not to be completed by any legal entity which has only an indirect ownership interest in the Applicant.

Under MCC Section 2-154-015, the Disclosing Party must disclose whether such Disclosing Party or any "Applicable Party" or any Spouse or Domestic Partner thereof currently has a "familial relationship" with any elected city official or department head. A "familial relationship" exists if, as of the date this EDS is signed, the Disclosing Party or any "Applicable Party" or any Spouse or Domestic Partner thereof is related to the mayor, any alderman, the city clerk, the city treasurer or any city department head as spouse or domestic partner or as any of the following, whether by blood or adoption: parent, child, brother or sister, aunt or uncle, niece

WVW

or nephew, grandparent, grandchild, father-in-law, mother-in-law, son-in-law, daughter-in-law, stepfather or stepmother, stepson or stepdaughter, stepbrother or stepsister or half-brother or half-sister.

"Applicable Party" means (1) all corporate officers of the Disclosing Party, if the Disclosing Party is a corporation; all partners of the Disclosing Party, if the Disclosing Party is a general partnership; all general partners and limited partners of the Disclosing Party, if the Disclosing Party is a limited partnership; all managers, managing members and members of the Disclosing Party, if the Disclosing Party is a limited liability company; (2) all principal officers of the Disclosing Party; and (3) any person having more than a 7.5% ownership interest in the Disclosing Party. "Principal officers" means the president, chief operating officer, executive director, chief financial officer, treasurer or secretary of a legal entity or any person exercising similar authority.

Does the Disclosing Party or any "Applicable Party" or any Spouse or Domestic Partner thereof currently have a "familial relationship" with an elected city official or department head?

No

APPENDIX B - BUILDING CODE SCOFFLAW/PROBLEM LANDLORD CERTIFICATION

This Appendix is to be completed only by (a) the Applicant, and (b) any legal entity which has a direct ownership interest in the Applicant exceeding 7.5% (an "Owner"). It is not to be completed by any legal entity which has only an indirect ownership interest in the Applicant.

Pursuant to MCC Section 2-154-010, is the Applicant or any Owner identified as a building code scofflaw or problem landlord pursuant to MCC Section 2-92-416??

No

ADDITIONAL INFO

Please add any additional explanatory information here. If explanation is longer than 1000 characters, you may add an attachment below. Please note that your EDS, including all attachments, becomes available for public viewing upon contract award. Your attachments will be viewable "as is" without manual redaction by the City. You are responsible for redacting any non-public information from your documents before uploading.

List of attachments uploaded by vendor

WVW

None.

CERTIFICATION

Under penalty of perjury, the person signing below: (1) warrants that he/she is authorized to execute this EDS, and Appendices A and B (if applicable), on behalf of the Disclosing Party, and (2) warrants that all certifications and statements contained in this EDS, and Appendices A and B (if applicable), are true, accurate and complete as of the date furnished to the City. Submission of this form constitutes making the oath associated with notarization.

/s/ 03/15/2018

Mr. Joseph Pokoj

CEO

ADB Safegate Americas, LLC

This is a printed copy of the Economic Disclosure Statement, the original of which is filed electronically with the City of Chicago. Any alterations must be made electronically, alterations on this printed copy are void and of no effect.

(Remainder of Page Intentionally Left Blank)

www