

Statement of Work

Wireless Controller and Access Point Installation (Opportunity #166942)

Referred to Herein as the **"Project"**

Prepared for:

Oklahoma County

Referred to Herein as **"Client"**

Presented By:

Donna Bond

ISG Technology LLC

Rev: 2

Date: 9/8/2025

ISG Overview

ISG Technology, LLC ("ISG") is an industry leading information technology firm delivering business solutions to organizations of all types. ISG specializes in all areas of communication and IP technology, including Virtualization and Storage, Unified Communications, Managed Services, Physical Security, Networking and Cloud and Data Center offerings. Founded in 1982, ISG serves businesses throughout the Midwest, with nine locations in Kansas, Missouri and Oklahoma and more than 160 employees company-wide.

Contacts

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<i>Client</i>	
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Master Client Agreement

This Statement of Work is governed by the terms and conditions set forth in the Master Client Agreement (the "MCA") between ISG Technology, LLC ("ISG") and Client. The terms and conditions of the MCA are incorporated and are part of this Statement of Work. If no MCA has been signed by Client, Client agrees the terms and conditions set forth in ISG Technology's then current MCA, as amended from time to time.

Confidentiality

This document contains a proposal of services by ISG for the Client. The information in this proposal is proprietary and confidential and should be shared only with those responsible for the evaluation and execution of this document. Neither the document nor its contents may be distributed or disclosed outside of the organization without the express written consent of ISG.

Executive Summary

Oklahoma County has embarked on a project to expand their capabilities and scalability of their wireless network infrastructure. Oklahoma County is expanding their wireless network infrastructure by adding additional access points as well as increasing scalability and management capabilities by adding wireless controllers. Oklahoma County has engaged ISG Technology to procure and configure the new wireless controllers and access points. As well, ISG will convert and configure Oklahoma County's existing access points to operate in the new wireless controller platform

ISG Technology will procure and configure the following:

- HPE Mobility Master for MM-VA-50 Virtual Appliance Wireless Controller – quantity 5
- HPE AP-615 Access Point – quantity 40

ISG Technology will also convert and configure 128 existing access points (consisting of a mix HPE AP-515, HPE AP-535, and HPE AP-615 access points) to operate in the new HPE Mobility Master Wireless Controller platform.

ISG Technology account, project management, and professional services teams will partner with the Oklahoma County team to plan and execute the Wireless Controller and Access Point Installation project in an efficient manner that meets Oklahoma County's business and operations requirements and needs.

Project Information

This document outlines the activities that will be required for successful completion of the Project. The purpose of this document is to include Project initiation, planning, execution, and closure activities. It represents a joint effort between the employees of Client and ISG. The content of this document is to include, at minimum, the key deliverables (i.e. services and equipment) that are identified herein. This plan will be used by the Project team as guidance on how the Project is to be executed, controlled, and communicated.

Project Objectives

To ensure a successful implementation and completion of the proposed Project, the following objective(s) will be completed by ISG:

- Install HPE Mobility Master Wireless Controller Virtual Appliances in client's virtual machine environment
- Perform base configuration of HPE Mobility Master Wireless Controller Virtual Appliances
- Add and configure access points (existing and new) in HPE Mobility Master Wireless Controller platform

Project Assumptions

The services and hardware proposed in this document are developed based on the information provided by Client. The configuration and technical details set forth in this document are intended to provide Client with a solution designed to meet the current and future needs of the company. ISG assumes:

- Client will grant ISG consultants and engineers reasonable access to facilities, IT systems, and administrative access rights needed to complete this Project
- Client will provide adequate workspace for ISG personnel
- Client will make available all participating Client personnel so as to facilitate timely completion of this Project and the knowledge transfer process
- Client will execute the timely review and approval of deliverables and Project completion documentation in support of the overall Project plan and objectives
- Any and all training provided as a part of the Project scope is designed to give Client an initial exposure to the systems involved. It is not designed to be a replacement for the comprehensive material offered by the manufacturer's education services.
- Active vendor support contracts must be in place prior to upgrading any production hardware and software.
- Client has the capacity (storage, memory, processors, etc.) in their virtualization infrastructure to support the Aruba Wireless Controller Virtual Appliances according to manufacturer requirements

- Base configuration of access point device authentication via client's ClearPass environment is included in this statement of work. Additional and advanced configuration of client's ClearPass environment is not included in the scope of this statement of work. Additional and advanced configuration of client's ClearPass environment would require additional scoping and would result in additional fees.
- Client is responsible for the physical installation of the new access point as well as any required network cabling. As well, client will provide network switch ports configured for trunking of wireless network related VLANs for each new access point
- Existing access points can be firmware flashed remotely. Any physical, direct interaction needed to perform firmware upgrades will be subject to additional fees and billing
- Client will be responsible for developing and executing application and services functionality test plan for pre and post cutover validation.
- Client will need to plan for the interruption of some services during the execution of cutover activities and schedule the cutover activities according to the client's business needs and requirements.

Additional Software Licensing Requirements Provided by the Client

Client will provide all licensing required for Project completion

Change Management Process

Any requested changes or provisions to the Project at any time must be in writing with authorization by all parties. Note: Changes to the Project scope may affect Project pricing and time frames.

Payment Terms

Invoices for service will be partial billed based on work performed at the end of the month and generated at the conclusion of the Project. Payment shall be due within 10 days of the invoice date unless otherwise stated on the invoice.

Proposal Validity Period

Unless otherwise indicated, this Statement of Work, estimates and hourly rates expire 30 days after the revision date listed on the first page.

Scope of Engineering Work

The following is an overview of the engineering work to be performed and outlines ISG responsibilities for the successful completion of this Project:

Phase 1 – Internal Change Control

- Review Client services under configurations
 - A. Schedule internal kick-off call
 - B. Invite DCS, MSP, PS - CAB
- Internal Project kick-off (DCS, MSP, PS)
 - A. Review Statement of Work
 - B. Set Project expectations and timelines
 - C. Set Project owners/engineers for each team (MSP/DCS/PS)
 - D. Change control requests submitted

Phase 2 – Planning and Prep

- Client kick-off call
 - A. Review Statement of Work
 - B. Align expectations on Project, timelines and documentation deliverables
- Review and document client's environment (with client)
 - A. Virtualization environment readiness (ISG Senior Systems Engineer)
 - 1. Determine and document hostnames and management IP addresses for Aruba Wireless Controller Virtual Appliances
 - B. Wireless IP address subnet and VLAN schemas (ISG Senior Network Engineer)
 - 1. Management
 - 2. Guest
 - 3. Production
 - C. DHCP configuration (ISG Senior Network Engineer)
 - D. ClearPass configuration (ISG Senior Network Engineer)
 - E. Existing access point (ISG Senior Network Engineer)
 - 1. Hostnames
 - 2. IP Addresses
 - F. Determine new access point information (ISG Senior Network Engineer)
 - 1. Hostnames
 - 2. IP addresses
- Work with client to determine schedule for converting existing access points
- Work with client to register wireless controller virtual appliances and access points with manufacturer
- Work with client to confirm and register licensing

Phase 3 – Install HPE Mobility Master Wireless Controller Virtual Appliances in client's virtual machine environment (ISG Senior Systems Engineer)

- Install HPE Mobility Master Wireless Controller Virtual Appliance OVA's as determined in Phase 2 of this statement of work (quantity 5)
- Configure hostnames and management IP addresses on each of the HPE Mobility Master Wireless Controller Virtual Appliances

- A. Confirm accessibility to each of the Aruba Wireless Controller Virtual Appliances

Phase 4 – Perform base configuration of HPE Mobility Master Wireless Controller Virtual Appliances (ISG Network Engineer)

- Apply any manufacturer required and recommended updates, patches, and firmware
- Configure virtual networks and VLANs as determined in Phase 2 of this statement of work
- Configure any groups and policies as determined in Phase 2 of this statement of work
 - A. Configure access point device authentication with client's ClearPass platform

Phase 5 – Add and configure HPE access points (existing and new) in HPE Mobility Master Wireless Controller platform (ISG Network Engineer and client)

- Add and configure existing access points to HPE Mobility Master Wireless Controllers (per schedule determined in Phase 2 of this statement of work) (quantity 128)
 - A. Client to perform pre-cutover application and services testing
 - B. Apply firmware upgrade to convert each access point from 'Instant' mode to 'Campus' mode
 - C. Add and configure each converted access point in Aruba Wireless Controller
 - D. Verify and confirm network reachability of each access point
 - E. Work with client to confirm wireless network functionality
 - F. Client to perform post-cutover application and services testing
- Add and configure new access points to the HPE Mobility Master Wireless Controllers (per schedule determined in Phase 2 of this statement of work) (quantity 40)
 - A. Add and configure each new access point in the Aruba Wireless Controller
 - B. Verify and confirm network reachability of each access point
 - C. Work with client to confirm wireless network functionality
 - D. Client to perform application and services testing
- Client to perform final application and services testing

Phase 6 – Day 2 Support

- Provide day 2 support for go-live

Phase 7 – Document

- Update configuration documentation, secure, and provide a copy to the Client
- Internal change requests closed out
 - A. Decommissioning/commissioning review
 - B. MRR Team(s) Project sign-off
- Client Project sign-off

Equipment and Licensing Deliverables

See Quote #186417 from Opportunity #166942

Project Pricing

Fixed Fee

This Project is based on a Fixed Fee pricing model which includes project management. The price for this Project is **\$19,037.50**.

Please note the following:

- Changes to the Project scope may affect pricing and time frames.
- ISG cannot be held responsible for delays beyond our control such as manufacturer back orders or delayed response by 3rd Party providers such as Telco or Internet.
- After hours rates will be at time and a half. Weekend hour rates will be at double the rate.
- Any service delivery that is delayed more than 90 days after the execution of this proposal may be subject price changes.

We look forward to working with you on this Project. If you have any questions or need clarification about any item mentioned in this scope, please feel free to contact your ISG Account Manager Donna Bond.

Acceptance and Authorization

Should this Statement of Work meet with your acceptance, please authorize by signing below and return one copy to ISG. Upon execution of this Statement of Work, the Project will begin. Any requested changes in the scope or terms to the Project at any time must be in writing with authorization by all parties.

The terms and conditions of the **Master Client Agreement** apply in full to the services and products provided herein.

<i>Client</i>	<i>ISG Technology, LLC</i>
_____ Authorized Signature	_____ Authorized Signature
Jon Weaver	
_____ Name	_____ Name
_____ Title	_____ Title
_____ Effective Date	_____ Effective Date

Aurba Wireless controller and AP's

Quote #OK-DB-185428 v1

Prepared For:

Oklahoma County M.I.S.

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Date Issued:

04.29.2025

Expires:

06.27.2025

AR3228	Qty
AR3228 Price quoted adheres to HP NASPO Master Agreement # AR3228	1
SW1006H Price quoted adheres to HP NASPO Participating Addendum # SW1006H	1

Controller		Price	Qty	Ext. Price
JY903AAE	HPE Virtual Mobility Controller (US) - License - 8000 User, 250 Access Point - Available via Electronic	\$5,442.00	1	\$5,442.00
H5UC0E	HPE Care Pack Foundation Care Software Support - 3 Year - Service - 24 x 7 x 2 Hour - Technical - Electronic	\$3,650.00	1	\$3,650.00
JZ106AAE	HPE Mobility Master for MM-VA-50 Virtual Appliance - License - Up to 50 Device - Available via Electronic	\$869.00	5	\$4,345.00
H7LE9E	HPE Care Pack Foundation Care Software Support - 3 Year - Service - 24 x 7 x 2 Hour - Technical - Electronic	\$583.00	5	\$2,915.00
Subtotal:				\$16,352.00

AP's		Price	Qty	Ext. Price
S3J34A	HPE AP-615 Tri Band IEEE 802.11 a/b/g/n/ac/ax 3.60 Gbit/s Wireless Access Point - Indoor - 6 GHz, 5 GHz, 2.40 GHz - Internal - MIMO Technology - 1 x Network (RJ-45) - 2.5 Gigabit Ethernet - Bluetooth 5 - 12.50 W - Ceiling Mountable - 10 pack	\$5,075.00	4	\$20,300.00
S0J40A	HPE Mounting Bracket for Wireless Access Point - 10 Pack	\$155.00	4	\$620.00
Subtotal:				\$20,920.00

Quote Summary	Amount
Controller	\$16,352.00
AP's	\$20,920.00
Total:	\$37,272.00

Taxes, shipping, handling, and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors. Product invoiced upon shipment. Services invoiced as performed.