

LOCUTION SYSTEMS, INC.
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AGREEMENT FOR THE SALE OF THE PRIMEALERT CADVOICE SYSTEM

**TERMS AND CONDITIONS
 FOR SALE OF PRODUCTS AND LICENSE OF COMPUTER SOFTWARE**

Agreement No: PEOR-170504

THIS AGREEMENT (the "Agreement") is made as of May 9, 2017 by and between:

Locution Systems, Inc. 1626 Cole Blvd, Suite 325 Golden, CO 80401 (303) 301-7300 (herein "Locution")	AND	City of Peoria, IL 419 Fulton St Peoria, IL 61602 (309) 494-8035 (herein "the Customer")
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Locution and Customer have agreed to enter into this Agreement providing, among other things, for the sale to Customer of the product, consisting of station computer software, station computer hardware, station audio hardware, station visual hardware, project management, conformance testing, and installation oversight, as set out in Schedule A – Price List and the grant to Customer of a license to use Locution's station computer software, station computer hardware, station audio hardware, and station visual hardware, so long as Customer owns the product in exchange for the payment of the price set forth below, all in accordance with this Agreement, including the following exhibits attached hereto which form a part of this Agreement:

- Exhibit A – Statement of Work
- Exhibit B – Price List;
- Exhibit C – Terms and Conditions
- Exhibit D – Software License
- Exhibit E – Milestone Payment Terms

NOW, THEREFORE, in consideration of the mutual covenants contained herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

TOTAL PRICE: \$294,286.00

ORIGINAL INSTALLATION SITE: City of Peoria, IL

Exhibit A
**The PrimeAlert[®] System for Fire and EMS
Station and Radio Dispatching**

Statement of Work

For City of Peoria Fire Department

March 6, 2017



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PrimeAlert® Fire/PrimeAlert® Radio SYSTEM FOR FIRE/EMS DISPATCHING and STATION ALERTING

Locution Systems will supply an automated alerting system as described in this Statement of Work for the City of Peoria, IL Fire Department.

1.1 Overview

The *PrimeAlert® Station/PrimeAlert® Radio* system software residing on the Locution Server located at communication center will translate a formatted textual command string provided by the CAD System into alert tones and a natural voice dispatch announcement and then broadcast the announcement over the City of Peoria's Radio system utilizing both a Push to Talk interface and the Harris Radio System API. The Locution Push to Talk systems ties into a radio base station located at the communication center and controls it by keying and dekeying the radio for each dispatch. The Push to Talk system monitors either a system busy output either as a voltage (+12V or +24V) or a dry contact to determine whether or not dispatch. It will hold off dispatch until the channel/talk-group is ready. The API interface ties into a dedicated ADSi console supplied by the County. The system software will also automatically send the command string to the County's fire stations over an IP network where there are locally translated into alert tones and a natural voice dispatch and played over the station P.A. amplifier/loud-speaker system. The translation takes place in a PC (no display, keyboard, mouse used). The City of Peoria has an option of selecting one of the Locution provided alert tones or provide a tone to Locution for use. The alert tone(s) shall be soft start (heart-saving) unless the City specifies otherwise. Locution will interface to Application Data Systems Inc (ADSi) CAD. Supervised and fail-over operation is also provided as part of the PrimeAlert® system.

This Statement of Work provides a description of the PrimeAlert® Station/PrimeAlert® Radio system functions, capabilities and a scope of work for system implementation. The purpose of this document is to describe the PrimeAlert® Station/PrimeAlert® Radio dispatching/Station alerting system which will be delivered to the City of Peoria and the associated implementation tasks. Costs for implementation of the PrimeAlert® Station/PrimeAlert® Radio system are specified in a Cost Summary under separate cover. Customization, if any, of system software for specific functions identified by the City is also described herein and the cost for these customizations is detailed in the Cost Summary.

1.2 THE PrimeAlert® Fire/PrimeAlert® Radio SYSTEM

The PrimeAlert® Fire/PrimeAlert® Radio system is comprised of executable software which controls the alerting and announcement process, and a specific voice file database of CAD incident and location data (audio database). The central audio database is kept on the communication center server which can then be synchronized to the audio database residing at each station. The station PCs (no keyboard, mouse, display used) are interfaced with the CAD application via a 10/100BaseT network connection. The following subsections describe specific PrimeAlert® Fire/PrimeAlert® Radio system functions, announcement content and format, and associated requirements.

1.2.1 System Configuration

The hardware required for the PrimeAlert® Station portion of the system will consist of a dedicated PC (no display, keyboard, mouse required), cables, station control unit, intelligent audio switch and PA amplifier, and optional visual components (refer to price sheet for visual components chosen) at each fire/EMS station facility. Hardware at the communication center consists of a Locution server as well as hardware to interface between the Locution server. All components of the station alerting system are supplied by Locution with the exception of the PC. The hardware required for the PrimeAlert®-Radio portion of the system will consist of a RADI-30 interfacing unit. At the communications center will be the Locution server which communicates with the station PCs. The PrimeAlert® Station application on the station PC will interface via a TCP/IP network connection provided by the City of Peoria to receive incident data from the Locution Server.

1.2.2 Fire Station Alerting System (FSAS) In Station Hardware Components

The system described below provides a full audio control (both tone and vocal message) system for all City of Peoria Fire stations. Note the provided system is 'IP station ready' though no IP stations are defined within the scope of the initially defined project.

1.2.2.1 Station PC

For any IP stations added to this system, one dedicated station ultra small form factor PC will reside at each fire station. This PC shall be provided by the City running Windows 7. It is noted IP stations can be added onto this system but are not presently defined within the scope of the project.

This PC will run with no mouse, keyboard, or display. The PC's NIC connection will be used to tie into the City of Peoria's TCP/IP network and its serial connection will be used to tie into the Station Control Unit (SCU). The PrimeAlert® Fire application running on-board has functionality to be updated over the network to minimize the chance of having multiple stations visits for any maintenance issues. The PrimeAlert® Fire application runs as a Windows service in the Automatic Startup Type. This causes the application to start on its own should the AC power to the PC be cycled. The PC will reside in the System Enclosure.

1.2.2.2 Station Control Unit

For any IP stations added to this system, one station control unit will be provided at each fire station provided by Locution. The station control unit is a compact, dedicated hardware unit that will reside inside the System Enclosure. The station control unit will convert unbalanced audio signals to balanced audio to accommodate fire station audio cabling requirements. The unit also displays on a four-character front panel LED display whether or not the program on the remote PC is operational. It is noted IP stations can be added onto this system but are not presently defined within the scope of the project.

Additionally, the station control unit hardware provides the capability for an "in Station" audio test. In order to initiate the audio tones and a vocal announcement a user simply presses a single button

on the station control unit hardware. Tones and a test announcement will be heard only in the station where the test is performed.

The Station Control Unit provides four (4) 24V, 500mA, normally-open relays, which can optionally be configured for one normally-open relay and two form-C relays. To control more than four relays the Relay Control Unit described below is required.

Station Control Unit

Maximum Power Dissipation	10W
Temperature	-10degrees to +55degrees C (operating); -50degrees to +70degrees C (not operating)
Power Supply (accompanies unit)	Locking DIN plug, 120V AC input, 20W Max. Approx. size 1"x2"x4"
Mounting/Orientation	Horizontal or Vertical
Size	2"h x 8"w x 4.5"d
Weight	0.8 lb

1.2.2.3 Relay Unit with PLC Capability

For any IP stations added to this system, one Relay Control Unit is required for each fire station to control external station functions in a single line control (controls egress lighting, etc.). The Relay Unit will use its high capability optically isolated inputs to detect certain events in the station, such as doorbells, Day-Night mode switch, and an Acknowledgement button. The Relay Control Unit hardware consists of a compact Relay Control Unit. One Relay Unit per station shall be provided by Locution and will reside in the System Enclosure. The control (Output) and sense (Input) functions of the Relay Control Units are detailed in the following two tables. It is noted IP stations can be added onto this system but are not presently defined within the scope of the project.

Relay Unit with PLC Capability

Maximum Power	20W
Dissipation	
Temperature	-10degrees to +70degrees C (operating)
Power Supply	None required. Powered through cable.
Mounting/Orientation	Din Rail Mounting
Size	8.5"h x 6"w x 5"d
Weight	4 lbs

1.2.2.4 Intelligent Audio Switch

For any IP stations added to this system, one intelligent audio switch (IAS) will be provided at each fire station. It is noted IP stations can be added onto this system but are not presently defined within the scope of the project.

The function of the Intelligent Audio Switch (IAS) is to allow the Locution audio to announce over the PA in addition to other previously existing PA inputs. The functions provided with the Intelligent Audio Switch are:

- Muting of the radio audio and paging audio when Locution audio is announcing

Intelligent Audio Switch:

Maximum Power Dissipation	5W
Temperature	-10degrees to +55degrees C (operating); -50degrees to +70degrees C (not operating)
Power Supply	None required. Powered through cable.
Mounting/Orientation	Horizontal or Vertical
Size	2"h x 8"w x 4.5"d
Weight	0.8 lbs

1.2.2.5 System Enclosure

All items given immediately above (with the exception of the Intelligent Audio Switch which resides in the vicinity of the PA amplifier) are housed in Locution's System Enclosure. An enclosure is also provided for the PTT system which is part of this system. The enclosure is actively cooled specifically designed to meet the cooling requirements of heat generating units such as the ultra small form factor PC. The System Enclosure is provided with a keyed lock and use the same key. It includes wire management runways and screw terminal blocks which are used to route external wiring to the Locution enclosure components.

One System Enclosure per station shall be provided by Locution.

Size 16"x 20" x 6.6"

1.1.3 Fire Station Alerting System (FSAS) Communication Center Hardware Components

1.1.3.1 Locution PrimeAlert Server

One rack-mountable DELL PowerEdge series Hi-reliability Server or equivalent will reside at the communication center. This server will exchange information with CAD and with the in station PCs over the IP network. This server will be provided by the Locution. Connections to the RADI-30 are made to convenient terminations on the device.

1.1.3.2 Radio Interfacing Unit

One RADI-30 shall be provided by Locution. The RADI-30 will reside in close proximity to the Harris hardware. The RADI-30 is a passive, dedicated hardware unit that provides impedance matching and routing of audio from the PC to the radio hardware.

Radio Interface Unit

Mounting/Orientation	Horizontal or Vertical
Size	2"h x 8"w x 4.5"d
Weight	0.4 lb

1.1.4 Fire Station Alerting System (FSAS) In Station, and on PTT Radio Software Components

1.1.4.1 DvServer (Station/PTT Software License)

The DvServer application will reside on each station or PTT PC. It will provide all station operation, including controlling relay contacts, reader boards, and voice announcement creation. It communicates directly with the PrimeAlert[®] Server application described below.

1.1.5 Fire Station Alerting System (FSAS) Communication Center Software Components

1.1.5.1 Locution PrimeAlert[®] Server

The PrimeAlert[®] Server software is the central processing unit of the entire system. It communicates with the CAD system via the CAD/FSAS interface, with the station PCs and the Supervisor clients.

1.1.5.2 Locution PrimeAlert[®] Supervisor

The PrimeAlert[®] Supervisor software shall be implemented in the PrimeAlert[®] System. The license supplied with this project will allow up to 10 clients to operate at the same time, each tying into PrimeAlert[®] Server. The City of Peoria will supply small form factor PCs for the Locution Enclosures along with all PCs, monitors, keyboards and mice for all PrimeAlert[®] Supervisor clients.

1.1.6 PrimeAlert[®] Fire SYSTEM FUNCTIONS

The PrimeAlert[®] Fire system software will be interfaced with the ADSi CAD System. Via interface the PrimeAlert[®] Fire system will receive CAD dispatch commands and then automatically generate alert tones for targeted stations. The PrimeAlert[®] Fire hardware and software installed at each fire station will then send audio output to station speaker systems. The following sections describe PrimeAlert[®] Fire functional integration with CAD, and dispatcher activation of the PrimeAlert[®] Fire system.

1.1.7 PrimeAlert[®] Fire Integration with CAD

Station PCs will be connected to the Locution server via the City of Peoria's TCP/IP network. The Locution CAD Server will be connected to the CAD Server also by a TCP/IP connection. When commanded by the CAD system, the station PrimeAlert[®] Fire PCs will then generate corresponding alert tone followed by a complete dispatch announcement to the fire station speaker through the City's existing PA system. The station PrimeAlert[®] Fire PC will receive data from CAD over a 10/100BaseT Ethernet connection (or better) at each PC.

The PrimeAlert[®] Fire system will provide information back to the ADSi CAD system relating to the

status of each alert or announcement message. This information will include the data relating to whether or not a remote station PC is off-line. ADSi may or may not take action with the status information provided by PrimeAlert®.

The Locution FSAS system will tie via an interface into the ADSi CAD. It is expected that testing with the ADSi CAD and a PrimeAlert® Test System will take place shortly after this SOW is approved to prove out this interface. In order to execute this testing the following shall take place:

- Locution attains remote access to a suitable computer at the City of Peoria.
- Locution installs a temporary, test system that includes a Locution Server where the server is provided by the City.
- Test the ADSi CAD – Locution interface, including:
 - Dispatch
 - Move Up
 - Unit Status
- Evaluate test results.

1.1.8 Dispatcher Activation of PrimeAlert® Fire

No actions other than normal operation of the CAD system will be required to activate the PrimeAlert® Fire dispatch tones and full dispatch announcement. The system is designed to automatically generate alert tones once the dispatcher has verified the event and assignment information and issued the appropriate commands to CAD to assign units.

After a dispatcher processes an incident through CAD, the PrimeAlert® Fire system automatically performs the following tasks within milliseconds of receipt of CAD data:

- Formulate alert tone and dispatch audio announcement for each incident received from CAD
- Open fire station speaker/activate relays (e.g. lights)
- Illuminate the appropriate unit indicators in the station(s)
- Initiate alert tones
- Vocalize all pertinent dispatch information
- Release fire station speaker
- Present dispatch information on the station Reader Boards

1.2 Audio Notification

PrimeAlert® Fire will receive data from CAD and generate an audio dispatch alert over the Harris Radio System (PrimeAlert® Radio). The system uses hybrid voice which provides a combination of a) Complete Human Voice which uses an Audio Database of pre-recorded and digitally-edited wave files and b) TTS voice which can provide audio elements with no restriction as to number. Complete Human Voice is 99.9% understandable per individual item; TTS is approximately 89% understandable per individual item, but varies depending upon phonetic complexity of audio item (any word that is spoken with TTS speech can be phonetically edited). Locution will supply up to 50,000 street names in Complete Human Voice. Should a street name be unrecognized (not in

present Audio Database) the street name will still be announced, but using TTS voice. For common place names, Locution will supply up to 7,000 in Complete Human, with an unlimited number in TTS spoken (the default will be to speak the item in TTS voice should the common place name not be found in the Complete Human Audio Database).

1.2.1 Message Components

Following are the message components supported by the PrimeAlert® System.

1.2.1.1 Alert Tones

The City of Peoria has an option of selecting one of the Locution-provided alert tones or may provide one of its own for incorporation into Locution's audio database. The City of Peoria can also select whether or not this alert tone is to be soft start and can select up to five different possible versions of the tones differentiated by incident type or unit type.

1.2.1.2 Vehicle / Incident Announcement

Following the alert tone, full vocal audio dispatch announcement will take place. The components available to the dispatch message follow.

1.2.1.3 Designations of Apparatus

This portion of the vocal message will be the complete unit assignment by apparatus name and number, e.g. engine 18, truck 22, hazmat 14, etc. The announcement will include the total assignment of all apparatus targeted to respond.

1.2.1.4 Standard Incident/Problem Type

This portion of the vocal message provides a standard description of the incident such as, "abdominal pain" or "vehicle fire" and will include any recognized incident codes that are required to be announced as well. A list of standard incident descriptions and/or nature codes will be provided by the City of Peoria during system design. Incident descriptions and/or nature codes may be added as needed or periodically along with other scheduled system upgrades, such as the addition of street names to the system database.

1.2.1.5 Street Address Location

The incident location component of the announcement includes the street address number, cardinal point direction, street name, and street type. Street address numbers will be articulated as described in Street Address Number section. New street names will be added to the address database periodically (frequency of these additions will be determined by the City of Peoria). All street names including limited access street names, such as "Interstate 25", will be included in the database.

Exact street names and all aliases or abbreviations for each street name provided by the City of Peoria to Locution during database development will be recognized. For example, if a street name

such as JOHN F KENNEDY EXPRESSWAY has the syntactic aliases, KENNEDY EXPY, JFK, and KENNEDY, all four representations of the single street name will be recognized and announced one way, e.g. “Kennedy Expressway.” This applies in all data fields where street names are used, e.g. intersections and cross streets.

When the location of an incident is given as an intersection of recognized street names, the PrimeAlert® system will announce the intersection. For example, a location entry such as HARBOR / MAIN would be announced as, “Harbor and Main.” Precise announcement syntax can be specified by the City of Peoria.

1.2.1.6 Cross Streets

When cross street information is provided in a standard format, PrimeAlert® can announce the cross street(s) as part of the incident location. An incident location announcement which includes a cross street would be announced as, “122 West Elm, cross of Baker.”

1.2.1.7 Other Directional Tags

General Cardinal Point directions (i.e. north, south, etc.) are announced when passed from CAD to the PrimeAlert® system as part of the street address location of an incident. Additionally, specific directional tags such as “inbound” for freeways and tags such as “north of” for intersection locations can be announced. Standard location information such as “Exit ramp” can also be included in the announcement. Aliases for directions, e.g. AVE versus AV can be recognized and announced in a consistent manner.

1.2.1.8 Apartment Numbers

When the CAD system recognizes and passes apartment numbers to the PrimeAlert® system they will be announced as part of the incident location, as long as they are in a consistent location within the CAD message. Any combination of numbers and letters will be announced, up to five characters. Apartment numbers will be articulated as described in section in Apartment Number section.

1.2.1.9 Floor Numbers

When the CAD system passes building floor numbers to the PrimeAlert® system they will be announced as part of the incident location, as long as they are in a consistent location within the CAD message. The system has the capability of announcing floor numbers up to five digits in length. Floor numbers will be articulated as described in section in Floor Number section.

1.2.1.10 Business or Common Place Name

When the CAD system recognizes a business or common place name it will be included in the dispatch announcement as long as they are in a consistent location within the CAD message. Additionally, if no street address is provided for an incident location, the PrimeAlert® system can

use recognized business or common place names by default for the location portion of the announcement.

1.2.1.11 Building Type

If building types such as “townhouse” are a standard part of dispatch announcements (e.g., via ANI/ALI data), the PrimeAlert® system will include it as part of the announcement. Building type lists can be very specific, making items such as “outside phone booth” or “elevator” possible.

1.2.1.12 Unrecognized Address Default Message

When a street name is new or not recognized by the PrimeAlert® database the system will substitute a default announcement for the unrecognized portion of the message. A message such as, "Refer to CAD terminal for address" or, "Refer to MDC for address" is substituted for the address portion of the automated announcement.

1.2.1.13 Unrecognized Apparatus Default Message

When an apparatus type is new or not recognized by the PrimeAlert® database the system will substitute a default announcement for the unrecognized portion of the message. A message such as, "Refer to CAD terminal for assignment" or, "Refer to MDC for units" is substituted for the apparatus assignment portion of the automated announcement.

The unrecognized apparatus message will be announced only if a completely unique apparatus type designation occurs, i.e. an existing apparatus type such as Engine with a new unit number will automatically be recognized by PrimeAlert® because the system database concatenates all numbers separately from non-numeric items. For example, if the apparatus type “Battalion Chief” and its associated code(s) or abbreviation(s) – such as “BC” or “B” - are already recognized by the PrimeAlert® database, any unit number up to five digits can be announced with the apparatus type “Battalion Chief”. Thus, a new Battalion Chief with a designation of “BC18” will be recognized and announced as, “Battalion Chief Eighteen”.

The PrimeAlert® software assumes that CAD will send only approved apparatus as part of the incident data for the dispatch announcement. If the CAD system allows dispatchers to “force” new apparatus types as part of the dispatch announcement data, then the PrimeAlert® system will only recognize existing apparatus types followed by any number up to five digits.

1.2.1.14 Unrecognized Incident Type Default Message

When an incident type is new or not recognized by the PrimeAlert® database the system will substitute a default announcement for the unrecognized portion of the message. A message such as, "Refer to CAD terminal for incident" or, "Refer to MDC for incident" is announced with all other incident data.

1.2.1.15 Abort Message

As part of normal incident processing, PrimeAlert® announcements will only occur if a Dispatcher

releases an incident for dispatch. In the event that a Dispatcher decides to abort an incident after it has been dispatched, Dispatchers will have the capability to abort a PrimeAlert® announcement. The abort command can be performed by any Dispatcher and will automatically initiate an announcement indicating that the current or most recent PrimeAlert® announcement has been rescinded. Announcement content can include specific incident data to ensure that the correct incident response is canceled.

1.2.2 Order of Message Information

The announcement format or the order in which the above announcement components are given in the vocal dispatch will be consistent for all dispatch announcements. The PrimeAlert® system software receives and interprets CAD incident data and arranges the corresponding voice files in the proper order.

Any message ordering shall be specified by the City of Peoria during system design. Note the ordering can be changed at any time within the PrimeAlert® Server software. A sample of how dispatch announcement components can be ordered is as follows:

1. Pre Alert Tone <tone>
2. Alert tones <tone>
3. Responding apparatus <A9>
4. Location/address information <8956 S MANISTEE AV>
5. Incident description <DIFF BREATHING>
6. Cross street information <MANISTEE AV/98 ST>
7. Repeat (occurs by default)

PrimeAlert® receives incident data from CAD in a format similar to the items delimited above. The PrimeAlert® software sorts this data into the proper format and outputs a corresponding dispatch announcement for broadcast to all targeted units:

(<tone><tone>) "Ambulance nine, Eighty nine fifty six South Manistee Avenue, apartment two hundred A, difficulty breathing, cross streets Manistee Avenue and Ninety Eighth Street. Repeat, Ambulance nine, Eight nine five six South Manistee Avenue, apartment two hundred A, difficulty breathing, cross streets Manistee Avenue and Ninety Eighth Street."

In the sample announcement above, the incident data is repeated without the alert tones. Additionally, street address numbers are repeated as individual digits for clarity. The amount of incident data repeated (if any) and the articulation of street numbers shall be specified by the City of Peoria during implementation of the system, principally via the Data Dispatch and Procedures Questionnaire.

1.2.3 Specific Articulations

Announcement components requiring specific types of articulations for this implementation of the PrimeAlert® system shall be specified by the City of Peoria during the implementation process from a pre-defined list of formats. Unless otherwise specified, default announcement formats for

numbers will be provided. Number announcement formats are subdivided according to the announcement component in which they are used. The following sections provide a description of the default number announcements for each announcement component.

1.2.3.1 Street Address Numbers

Street address numbers in the incident location can be concatenated or articulated individually to provide maximum clarity in the vocal announcement. Specific tables of default number articulation will be provided during database development for the City of Peoria's approval or modification. By default, address numbers will be articulated as indicated in Sample Sets #1 and #2 below:

Sample Number Set #1

Address numbers in the initial portion of the dispatch announcement and numbers in all other categories, e.g. apparatus designations, will be announced in a specific pattern as follows:

652 E ALAMEDA BLVD = "six fifty-two east Alameda boulevard"
 2674 NW PALMER AVE = "twenty-six seventy-four northwest Palmer avenue" 14355 S ST
 CECILIA ST = "one-forty-three fifty-five south Saint Cecilia street"

Sample Number Set #2:

In the repeated portion of the dispatch announcement, only street address numbers are articulated as individual digits:

652 E ALAMEDA BLVD = "six five two east Alameda boulevard"
 2674 NW PALMER AVE = "two six seven four northwest Palmer avenue" 14355 S ST
 CECILIA ST = "one four three five five south Saint Cecilia street"

1.2.3.2 Apartment Numbers

Like street numbers, apartment numbers in the incident location can be concatenated or pronounced as individual digits and letters. When apartment number data is sent from CAD to PrimeAlert[®], the PrimeAlert[®] announcement can include the word "number" or "apartment":

Sample Number Set #3

By default, apartment numbers will be announced as follows:

#200A = "number two hundred A"
 #301 = "number three oh one"

Sample Number Set #4

Optionally, apartment numbers can be announced as individual digits:

#200A = "apartment two zero zero A"
 #301 = "apartment three zero one"

The following choices are also offered for apartment announcement syntax:

#200A = “number two zero zero A”

or,

#301 = “apartment three oh one”

1.2.3.3 Floor Numbers

If the CAD system includes a floor number as part of the incident location data, the PrimeAlert® system will include floor numbers in the dispatch announcement. Floor numbers will be articulated by default as individual digits. The floor number will be preceded by the word “floor” as follows:

#4 = “floor three”

#11 = “floor eleven”

Alternatively, the City of Peoria can request an ordinal articulation for a slightly higher cost (Locution will provide price sheet at time of request). This articulation will use an ordinal number followed by the word “floor” as follows:

#4 = “fourth floor”

#11 “eleventh floor”

1.2.3.4 Apparatus Designators

PrimeAlert® will receive CAD designations of apparatus assigned to respond to each incident. These designations will be matched to the appropriate PrimeAlert® voice files. Examples of pronunciation of numbers associated with apparatus type identifiers are as follows (these abbreviations are generic examples only; the City of Peoria can specify abbreviations of apparatus for the PrimeAlert® system):

E5 = “engine five” T13 =

“truck thirteen”

HAZ25 = “hazmat twenty-five” AT101 =

“aerial tower one-oh-one” R146 = “rescue
one forty-six”

Alternatively, apparatus numbers can be articulated as individual digits:

T118 = “truck one eight”

1.2.3.5 Street Name Pronunciations

All street name voice files will be recorded from a list provided by the City of Peoria. (*Note: street names provided should match those in the CAD system audio database.*) The

pronunciations of specific street names may not be obvious from the spelling of the street name. To ensure that correct pronunciations will be recorded, Locution will review the audio database and generate an alphabetized list of all street names with potentially anomalous pronunciations.

Locution will then work with the City of Peoria to obtain the correct pronunciation of all items on this list. Other potentially anomalous items such as business names or incident descriptions will also be identified by Locution and verified by the City of Peoria for pronunciation in this manner.

1.2.4 Standard Notification Announcements

In addition to the test message, the PrimeAlert® Supervisor product will (this can also be accomplished through the API if supported by CAD VENDOR interface) allow up to twenty-five additional standardized announcements which can be included in the PrimeAlert® Audio Database. These messages can be up to one minute in duration each. Examples of possible types of notification announcements are as follows:

1. To notify companies in a targeted area of an alarm that may escalate a message can be sent from CAD to those companies. The PrimeAlert® system software will provide a notification tone and an announcement for targeted response personnel.
2. When an alarm is escalated to a higher level, a message can be sent to all targeted personnel. The PrimeAlert® software will provide an alert message consisting of a notification tone followed by the escalated incident type, followed by the location of the incident.
3. When the alarm is struck out or secured (declared under control) a corresponding message can be broadcast. The PrimeAlert® software will provide an alert message consisting of a tone, followed by a standard message such as, "NOTIFICATION MESSAGE, ACKNOWLEDGEMENT REQUIRED."
4. Specific announcements can be generated to call attention to printed messages on MDC screens: 1) The low priority type can consist of a tone followed by a standard message such as, "ATTENTION: DEPARTMENT MESSAGE ON MDC SCREEN." 2) The high priority type can consist of a tone followed by a standard message such as, "NOTIFICATION MESSAGE ON MDC SCREEN, ACKNOWLEDGEMENT REQUIRED."

Any Standard Notification messages shall be specified by the City of Peoria during implementation of the system, principally via the Data Dispatch and Procedures Questionnaire.

1.2.5 Scheduled Notification Announcements

The PrimeAlert® Fire system shall be configured to provide Scheduled Events, or predefined announcements that will be made to the stations on a scheduled basis. Any Scheduled Events shall be specified by the City of Peoria during implementation of the system, principally via the Data Dispatch and Procedures Questionnaire.

An example of a Scheduled Event is a morning PA test message, such as "ATTENTION: THIS IS THE 7 AM PA TEST", which would be automatically announced every day at 7 AM.

1.3 System Monitoring

The PrimeAlert[®] Fire system presents information on the PrimeAlert[®] Supervisor workstation in the communication center relating to the status of each station. This information includes the data relating to whether communication is occurring between the Locution PrimeAlert[®] Server and the PrimeAlert[®] Fire application on the remote station PC. It also monitors the health of the connection between the Locution PrimeAlert[®] Server and CAD server. All events are also time-tagged and logged in the system log. The system can be configured such that errors can be set to trigger pagers and/or email and can also perform an audio announcement detailing the error that occurred.

The PrimeAlert[®] System at the City of Peoria will monitor the states of the following station switches:

- ACK Switch (Acknowledgement Switch)
- Day/Night Mode Switch
- Alert/Pull Box Switches

During Final Design Locution and the City of Peoria will determine how the state of these switches will be reported.

1.4 Locution as Back-up CAD Operation

The PrimeAlert[®] Fire system may be used as a back-up CAD per NFPA 1221 specification. This is accomplished with the PrimeAlert[®] Supervisor program which is operated with a simple GUI interface. Any announcement capable of being announced by CAD is available with the back-up interface. Note, however, where all information was previously combined and chosen by CAD, the dispatcher now chooses via GUI drop-down fields.

2.1 System Implementation

Implementation of the PrimeAlert[®] system to meet the functional requirements described herein will consist of tasks listed in this section.

2.1.1 Create Audio Database

The data verification document, titled Data Dispatch and Procedures Questionnaire (DDPQ) , shall be provided to the City of Peoria in order that Locution can get a better understanding of exactly what alert tones are to be used, what dispatch information is to be included in each dispatch, the order of the dispatch. The document will also allow Locution to understand any special announcements and alerts to be made by the PrimeAlert[®] System, such as 'move-ups', scheduled events and special messages. Once we obtain this information, the audio tone wave files are created and become part of the Audio Database.

During implementation of the system Locution will work from the DDPQ and directly with personnel at the City of Peoria to resolve any Audio Database issues. It is expected that more than one Audio Database version will be delivered to the City of Peoria. With each delivery, the City of Peoria and Locution will work together to identify and resolve Audio Database issues. The Audio

Database will function and be accepted by the City of Peoria before the PrimeAlert® System is accepted. It is expected that some Audio Database issues will be identified and resolved by the City and Locution after acceptance. Typically this involves issues such as mispronunciations and missing items (streets or landmarks). This is normal maintenance process for the PrimeAlert® System.

Locution Deliverables

Dispatch Data & Procedures Questionnaire

City of Peoria Deliverables

Completed Dispatch Data & Procedures Questionnaire and/or associated information

2.1.2 Final Design of the PrimeAlert® System

The PrimeAlert® System for the City of Peoria has been roughly designed based on the RFP and conversations with personnel from the City, both on location and via electronic communication. The final design of the PrimeAlert® System will be completed commencing on receipt of a purchase order from the City of Peoria. Locution will work with the City to finalize the design of the PrimeAlert® System and supply documentation necessary to communicate that design and agree on the design.

Once the final design is completed Locution will begin implementation of the system based on the design.

Locution Deliverables

- Network design relative to PrimeAlert® System
- Station design relative to PrimeAlert® and station functionality
- Final version of the Acceptance Test

City of Peoria Deliverables

- Network configuration diagram, relative to PrimeAlert® System
- Plans for remote access to the PrimeAlert® System for Locution

2.1.2.1 Network

PrimeAlert® is an IP based alerting system. The network used in the PrimeAlert® System is a key to system operation and reliability. The City of Peoria is responsible for the network used by the PrimeAlert® System. Locution will work with the City to identify the network configuration to be used by the PrimeAlert® System.

To implement and support the system Locution requires remote access to the PrimeAlert® components. Typically remote access is attained using a Cisco VPN client to access the network and VNC to access the necessary components on the system. Locution requires file transfer ability on the PrimeAlert® components.

PrimeAlert® components include:

- PrimeAlert® Server
- PrimeAlert® Supervisors
- PrimeAlert® Station PCs
- PrimeAlert® Radio

Locution will supply the City of Peoria with network requirements for the PrimeAlert® System. These requirements will describe communication necessary between the PrimeAlert® components and related components on the network, including ADSi CAD and the Harris Radio system.

Locution Deliverables

- Network communications requirements of the PrimeAlert® System
- Network diagram with PrimeAlert® components, based on network configuration supplied by the City.
- Remote access VNC software (UltraVNC).

City of Peoria Deliverables

- Network configuration diagram, relative to PrimeAlert® System
- Plans for remote access to the PrimeAlert® System for Locution, to include a secure VPN tunnel into the City network, and a secure network to the PrimeAlert® Supervisors, Radio and Stations, and to the ADSi CAD.

2.1.2.2 CAD Interface

PrimeAlert® alerting is based on information received from the ADSi CAD. The City will have the CAD in place during implementation of the PrimeAlert® System. The CAD will communicate with PrimeAlert® Server. Information defined in the Application Program Interface (API) Document for Interfacing to the PrimeAlert® System will be passed between the CAD and PrimeAlert® Server with the exceptions documentation available on request.

Locution Deliverables

- CAD API
- The Locution side of the API to ADSi.

City of Peoria Deliverables

- ADSi CAD network connection to and communication with PrimeAlert® Server

2.1.2.3 PrimeAlert® Server

Locution shall supply the server for the PrimeAlert® System, referred to as PrimeAlert® Server. AC power, network connectivity, and physical location shall also be the responsibility of the County.

Locution shall install and configure PrimeAlert® application on the server.

PrimeAlert® Server shall have remote access via VPN and VNC. The City of Peoria is responsible for providing remote access credentials and permissions, including file transfer permissions. Locution is responsible for supplying the remote access application (UltraVNC).

Locution Deliverables

- Network communications requirements of the PrimeAlert® System.
- Network diagram with PrimeAlert® components, based on network configuration supplied by the City of Peoria.
- Remote Access application (UltraVNC).

City of Peoria Deliverables

- Network configuration diagram, relative to PrimeAlert® System. Plans for remote access to the PrimeAlert® System for

Locution. Media with the remote Access Nortel Client application

- Provide the Server to be used for Locution with a connection to AC power and connect to the LAN.
- Mount the Keyboard, mouse, monitor, KVM switch assembly (1U height) in the equipment rack, connect to AC power and connect to the Locution Server and other server (Harris Radio Console and ADSi CAD).
- Remote Access permissions and a secure VPN tunnel into the City of Peoria network.
- A secure network between PrimeAlert[®] Server and all PrimeAlert[®] computers (station PCs, Radio PC, and PrimeAlert[®] Supervisor PCs).

2.1.2.4 PrimeAlert[®] Supervisor

The City of Peoria will supply the PCs including keyboard, mouse and monitor for the Supervisor consoles in the dispatch center. The City will be responsible for installing the PrimeAlert[®] Supervisor hardware and connecting the hardware to AC power and the LAN. The City is also responsible for connecting the PrimeAlert[®] Supervisor computer to the monitor that will be used with the computer.

Locution Deliverables

- Supervisor Software

City of Peoria Deliverables

- Procure the PrimeAlert[®] Supervisor computer, keyboard and mouse for the Test Station Procure the PrimeAlert[®] Supervisor computer for the three dispatch positions.
- Install and configure PrimeAlert[®] Supervisor applications at all four positions. Remote Access application (UltraVNC), recommended.
- Provide the physical location, the IP Address for the PrimeAlert[®] Supervisors
- Provide AC Power, LAN connection and static IP Address for the PrimeAlert[®] Supervisors Install and configure PrimeAlert[®] Supervisors hardware at the Test Station and in dispatch. Connect the four PrimeAlert[®] Supervisors to AC Power and to the LAN.
- Provide remote access to all PrimeAlert[®] Supervisors.

2.1.2.5 PrimeAlert[®] Radio

Locution shall supply the PrimeAlert[®] Radio application for the PrimeAlert[®] System. This includes one software application. Locution shall install and configure PrimeAlert Radio on the Harris console at the City of Peoria.

The PrimeAlert[®] Server shall have access to the Harris console used for PrimeAlert[®] Radio. The Locution server provided by the City will require dual NIC connections, one for IP connectivity to CAD, one for IP connectivity to the Harris console. A firewall should be provided if additional level of security between the Locution server and Harris console is required.

Locution shall supply the hardware interface (RADI-30) between the Radio console and the CIE. Locution will install the RADI-30 and will connect the RADI-30 cabling between the Harris console and the VPM.

The City of Peoria will supply Locution with specific information needed to configure PrimeAlert® Radio, including Talk Group information, station IDs for radios at the stations and aliases in the console associated with those IDs. Locution shall configure PrimeAlert® Radio to use the radio console to dispatch over radio according to the rules set up by the City and Locution. The PrimeAlert® Radio PC will be on the same network as the Locution PrimeAlert® Server, or the 'Locution Network'.

Locution Deliverables

- PrimeAlert® Radio software
- Radio hardware interface (RADI-30) APX consolette for 800MHz operation.
- Installation of PrimeAlert® Radio software and hardware interface Configuration of PrimeAlert® Radio software
- Installation of the PrimeAlert® Radio application Installation and calibration of the RADI-30 Remote Access application (UltraVNC).
- ADSi/Locution System API
- Locution API software that ties into the ADSi CAD (hardware/software) consolette

City of Peoria Deliverables

- The ADSi CAD console hardware to be used to run the PrimeAlert® Radio software and the Harris Radio system
- Radio shop personnel to install and calibrate equipment (RADI-30). Static IP Address for the radio PC

2.1.2.6 Station

In terms of hardware and interface to the City of Peoria equipment, most of the PrimeAlert® System resides in the fire stations. Most of the perceived operation of the PrimeAlert® System occurs in the fire stations. Consequently most of the project work will be related to the PrimeAlert® equipment at the fire station.

Locution shall provide the City with the following PrimeAlert® software at each of fire stations added to the system. This software resides and runs on the Station PC.

- DvServer: The station application software.
- StationManager: A tool used in configuration and troubleshooting of the station system
- Audio Database: A master audio database is located on PrimeAlert Server. All stations have the same audio database resident on the station PC, and synchronized to the master audio database.
- SyncTool Slave: The station side (client side) application to sync the audio database.

The station PC shall be remotely accessible from either PrimeAlert Server via VNC or directly from the City's network via VPN/VNC. The City is responsible for providing remote access credentials and permissions, including file transfer permissions. Locution is responsible for supplying the remote access application (UltraVNC).

For each IP station defined, Locution shall provide the City with the following PrimeAlert® equipment at each of the fire stations. Quantities are defined in Exhibit B (price list). The items

include:

- PLC105
- SCU (Station Control Unit)
- IAS (Intelligent Audio Switch)
- LEN32 Enclosure

Locution shall provide wiring diagrams relative to the PrimeAlert® System for the stations.

Locution Deliverables

- PrimeAlert® software as described in this section.
- PrimeAlert® hardware as described in this section.
- Wiring diagrams relative to the PrimeAlert® System for the stations.

City of Peoria Deliverables

- AC power for the Locution equipment. LAN connection for the Station PC.

2.1.3 Installation of the PrimeAlert® System

Locution is responsible for installation of the PrimeAlert® System. Locution shall provide technical assistance and provide installation requirements and recommendations for the PrimeAlert® System. Recommendations, such as the distribution point described in Section 2.0.2.6 Station, are optional, but highly desired. Substitutions for recommendations may be made if the substitute accomplishes the same function and reliability.

Locution shall provide installation oversight, as described in Appendix C – Training Options.

Locution shall provide remote advice and support for the installation.

Locution Deliverables

- Technical documentation to support the installation. Requirements for the installation.
- Recommendations for the installation.
- PrimeAlert® equipment in a manner conducive to efficient installation.
- Other items and information as described in Section 2.0 System Implementation.

City of Peoria Deliverables

- Network connectivity as described in Section 2.0 System Implementation. AC power and wiring as described in Section 2.0 System Implementation. Resource required to perform a timely installation.
- Remote access for Locution to the PrimeAlert® System.
- Other items and information as described in Section 2.0 System Implementation.

2.1.4 Resolve System Faults

Faults with the PrimeAlert® System discovered during implementation and integration will be addressed and resolved by Locution. Resolving these faults will consist of tasks that are necessary to provide the functionality agreed to achieve contract acceptance, and do not include additional functions requested by the City after contract acceptance. Additional functions not in this Statement of Work may be provided by Locution under a separate Statement of Work and at a cost to be agreed to between the City and Locution.

A checklist of acceptance test criteria for this Statement of Work is included in Appendix B – Acceptance Test Plan.

Locution Deliverables

- Network communications requirements of the PrimeAlert® System
- Network diagram with PrimeAlert® components, based on network configuration supplied by the City of Peoria.

City of Peoria Deliverables

- Network configuration diagram, relative to PrimeAlert® System Plans for remote access to the PrimeAlert® System for Locution

2.1.5 Conduct Final Integration Testing

Locution, with the assistance of the City, will conduct final PrimeAlert® System integration and testing to meet the criteria described in the Acceptance Test. Locution will resolve any issue with the system that is deemed to be a Locution responsibility. The City will resolve any issue that is deemed to be a responsibility of the City.

Locution Deliverables

- Lead the final testing effort.
- Exercise the system or cause the system to be exercised such that the Acceptance Test can be carried out.
- Provide all documentation as required in this SOW.

City of Peoria Deliverables

- Network configuration diagram, relative to PrimeAlert® System Plans for remote access to the PrimeAlert® System for Locution
- Assist Locution in exercise the system or causing the system to be exercised such that the Acceptance Test can be carried out (this generally includes test dispatches from CAD and the like).
- Provide a written acceptance of the PrimeAlert® System or provide a written record to Locution of issues that prevent acceptance, according to the Acceptance Test.

2.0.5.1 System Cutover

Cut over from existing alerting system to the PrimeAlert® System will affect the design of the system. Therefore cut over shall be planned by Locution and the City during system design (see 2.0.2 Final Design of the PrimeAlert® System). Based on experience and knowledge of the existing City of Peoria alerting system, Locution will make recommendations and identify requirements for cutover. Based on experience and knowledge of their existing alerting system the City will work with Locution on the cutover plan and identify any concern or issue with any recommended or required aspect of cut over.

Locution Deliverables

- Collaborate with the City to design an efficient cut over. Provide a written cutover plan.

City of Peoria Deliverables

- Collaborate with Locution to design an efficient cut over.
- Agree on the written cut over plan.

2.0.6 User Orientation and Training

Following successful integration testing, Locution will provide WebEx Training to the City or Peoria's Dispatchers, Fire/EMS department personnel, and other communications personnel to establish the procedures for Fire/EMS incident processing with PrimeAlert®. Orientation includes demonstrations of the PrimeAlert® system and an overview of dispatching parameters for system operation. Documentation of system functions and database content is also provided. The specifics of the training are described in Appendix C.

Locution Deliverables

- Network communications requirements of the PrimeAlert® System
- Network diagram with PrimeAlert® components, based on network configuration supplied by the City of Peoria.

City of Peoria Deliverables

- Network configuration diagram, relative to PrimeAlert® System Plans for remote access to the PrimeAlert® System for Locution

2.1 System Documentation

During system design and implementation, Locution will provide the City of Peoria with instructional and verification documentation. This documentation will consist of instructions to the City for establishing the alert tones for the Locution Audio Database.

Locution will provide an electronic sampling of alert tones in an audio (.wav or .pcm) file format via email or disk. Instructions for opening and reviewing the files on a PC will be provided.

Upon system installation, Locution will provide the City with complete system functional, operational, and database component documentation. This documentation will include a description of system architecture and functions, any operational or procedural issues for Dispatchers, and a comprehensive set of electronic database tables listing all voice file items and their accompanying articulations (whenever special pronunciations apply).

With the exception of the alert tone wave files, all documentation will be provided for the City in hard copy, with one original and two copies of each document delivered at time of system installation. Additionally, documentation will be provided electronically. A summary of all PrimeAlert® documentation provided for this implementation is as follows:

- Data Verification Document
- Alert Tone Wave (.wav) Files
- Acceptance Test Criteria Checklist
- System Operation and Functions Document
- Announcement Components Document

- Software License Agreement

Locution Deliverables

- Network communications requirements of the PrimeAlert® System
- Network diagram with PrimeAlert® components, based on network configuration supplied by the City.

City of Peoria Deliverables

- Network configuration diagram, relative to PrimeAlert® System Plans for remote access to the PrimeAlert® System for Locution

2.2 Warranty Information

Locution warrants the PrimeAlert® System for a period of one year (365 days) commencing on the day that the system is put into productive use. Warranty details to be provided in the table below.

SEVERITY LEVELS, RESPONSE TIMES AND RESOLUTION TIMES. Locution will comply with the response times, resolution time and resolution procedures set forth in this Section for each of the priority levels of problems described in the following table.

Priority One Critical	Priority One applies if the problem could: <ul style="list-style-type: none"> • Prevent the accomplishment of an operational or mission essential function, OR • Causes loss of data or data corruption, OR • Jeopardize safety or security
Response Time	In the event of a Priority 1 or 2 maintenance call, Locution shall acknowledge the maintenance call within one (1) hour of call whether call is made during or after Regular Business Hours. If local maintenance option has been chosen and on-site repair is required, Locution shall have a qualified technician on-site within four (4) hours of call. If local maintenance option is not chosen, and a replacement part is required and if Locution is notified by 2PM MDT, Locution will have a replacement part sent overnight for next morning delivery. If the replacement part is a Locution provided PC, repair will be made with local DELL Gold support.
Resolution Time	Within 48 hours after the problem is first reported by the County.
Priority Two Efficiency Inhibiting	Priority Two applies if the problem could: <ul style="list-style-type: none"> • Adversely affect (but not prevent) the accomplishment of an operational or mission essential function, and no Workaround is available, OR • Adversely affect technical or cost risks to the life cycle support of the System, and no Workaround is available.
Response Time	Identical to Priority 1
Resolution Time	Within one week after the problem is first reported to the County

Priority Three Important	<p>Priority Three applies if the problem could:</p> <ul style="list-style-type: none"> • Adversely affect (but not prevent) the accomplishment of an operational or mission essential function, but a Workaround is available, OR • Adversely affect technical or cost risks to the life cycle support of the System, but a Workaround is available.
Response Time	In the event of a Priority 3 maintenance call, Locution shall
	acknowledge the maintenance call within one (1) hour of call if call is made during Regular Business Hours and within four (4) hours of call if made after Regular Business Hours. If local maintenance option has been chosen and on-site repair is required, Locution shall have a qualified technician on-site within two (2) days of call. If local maintenance option is not chosen, and a replacement part is required and if Locution is notified by 2PM MDT, Locution will have a replacement part sent such that it will arrive in three business days from the day the call was made. If the replacement part is a Locution provided PC, repair will be made with local DELL Gold support.
Resolution Time	Resolution within sixty (60) days.
Priority Four Minor	Any problem related to the System which does not fall within Priority One, Two or Three
Response Time	In the event of a Priority 4 maintenance call, Locution shall acknowledge the maintenance call within one (1) hour of call if call is made during Regular Business Hours and within two (2) days of call if made after Regular Business Hours. If local maintenance option has been chosen and on-site repair is required, Locution shall have a qualified technician on-site within two (2) days of call. If local maintenance option is not chosen, and a replacement part is required and if Locution is notified by 2PM MDT, Locution will have a replacement part sent such that it will arrive in three business days from the day the call was made. If the replacement part is a Locution provided PC, repair will be made with local DELL Gold support.
Resolution Time	Resolution within the next three New Official Locution Releases. Locution official releases are typically released every one to one and a half months.

2.3 Project Schedule

A project schedule with associated tasks and milestone dates is provided in a separate document and will be finalized dependent on the contract signing date.

Appendix A – Customization

- No customization is presently defined for this project.

Appendix B – Acceptance Test Plan

Locution Systems, Inc.

City of Peoria

PrimeAlert[®] System Sample Acceptance Test Plan

1. Pilot Workstation Functional Certification/Validation
 - 1.1 Announcement Accuracy
 - 1.1.1 This portion of the ATP will test whether the system correctly creates alert tone upon a CAD command. 100% accuracy will be required to pass this test. If incorrect alert tones are identified they will be documented and the test will continue. After the test is completed the incorrect operation will be corrected and the test run again per the requirements above on a different data set.
 - 1.2 Notification Clarity
 - 1.2.1 This portion of the ATP will test whether the alert tones are audible and intelligible in a controlled environment. To perform this test, the City may select 10 employees to listen to system announcements in the controlled environment. Personnel will be asked if they were able to understand each announcement. Eighty percent of the personnel must provide an affirmative response in order to pass this test.
 - 1.2.2 This portion of the ATP will test whether the system announcements are audible and intelligible in the field and whether or the audio signal has the appropriate power to power a station PA amplifier. The Locution audio signal going into the PA amplifier will be disconnected. An oscilloscope will connected to the audio signal at the point immediately before the PA amplifier. It will be verified that during a normal audio announcement the un-terminated audio provides a minimum 2Vpp signal on the oscilloscope.
 - 1.3 System Updates
 - 1.3.1 This portion of the ATP will test whether the system can successfully perform an update of a station PC without delaying the announcement of a dispatch message for more than two seconds or an administrative message for more than five seconds. This test may be performed in a laboratory environment with the station PC connected directly to the CAD system. During the update process a dispatch announcement will be sent to the station PC. The tester will confirm that the system initiates the dispatch notification within two seconds after receipt of the message. A second test will be performed in which an administrative message is sent to the station PC while an update is being processed. The tester will confirm that the administrative message is initiated within five seconds. 100% compliance is required to pass this test. If the system fails to meet the test conditions, Locution will make any necessary repairs and the test will be conducted again.

- 1.3.2 This portion of the ATP will test whether the system can successfully perform an update of a *network-connected* station PC without delaying the announcement of a dispatch message for more than five seconds, or an administrative message for more than ten seconds. The test will be conducted as outlined in 1.3.1 above, except that the station PC will be installed in a fire station and the update will be performed from a management workstation attached to the network in a remote location.

2. Final Acceptance

2.1 Completion of Deliverables:

- 2.1.1 Final version of application software delivered and successfully completed the Acceptance Test Plan
- 2.1.2 Final version of data files delivered
- 2.1.3 Final version of the host server file maintenance software delivered
- 2.1.4 Application License(s) agreement executed
- 2.1.5 Training completed
- 2.1.6 Documentation delivered

The ATP will be conducted and evaluated by the City. In the event that the ATP cannot be successfully completed, the City may request Locution to send a representative to observe a second test and to provide a plan for changes required for successful completion of the test. The City will provide the personnel and the test equipment necessary unless otherwise indicated.

Appendix C – Training

Locution will provide training listed in the table below. Technical training will be provided by the technical quality manager for the project. Operations training will be provided by a training-certified Locution representative.

Technical training is provided using WebEx. Operation training is typically conducted on a ‘train the trainer’ basis and is also provided via WebEx. The training courses that will be provided to the City of Peoria are listed in the table below.

Following are course descriptions:

Provided in Price	Course ID	Course Name	Instructor	Duration (typical)
Y	LOCTR-TECH	PrimeAlert® Technical Training	Darrell Montano	4-6 hours
Y	LOCTR-OP	PrimeAlert® Operation Training	Farrah Payne	1.5-2 hours

Classes LOCTR-TECH and LOCTR-OP are taught in the train the trainer format.

Course descriptions:

LOCTR-TECH PrimeAlert® Technical Training

This training course is held at client site’s main computer room (where Locution server resides). If it is not convenient to hold training at this location, Locution will demonstrate server-resident software on a Locution provided PC in a classroom environment.

This course involves training the attending individual(s) on the following:

- Basic operation of Locution Server and Supervisor.
- Initial configuration and setup of Locution Server software
- Initial configuration and setup of Locution Supervisor software
- Configuration of station hardware and control elements at central location
- Configuration of station zoning (where appropriate) at central location
- Other Configuration Options available on Server and Supervisor
- Operation of Locution Supervisor Client
- Troubleshooting potential problems
- Question and Answer Period.

Technical manuals relevant to client’s specific system configuration are supplied.

LOCTR-OP PrimeAlert® Operational Training

This training course is held at client site in classroom or on communication center dispatch floor.

This course involves training the attending individual(s) on the following:

- Commit operation – what occurs at this point
- What complete dispatch ('Debbie') sounds like upon a commit.
- Operation of Locution Server Client
- Operations to perform upon error indication.
- Who to contact upon error indication.
- Troubleshooting potential problems
- Question and Answer Period.

Operations manuals relevant to client's specific system configuration are supplied.

EXHIBIT B – PRICE LIST



1626 Cole Blvd, Suite 325
Golden, CO 80401
Voice: 303-301-7300 Fax: 303-384-9014

Customer : City of Peoria Contact: EMAIL: Phone:	Quote ID: PEOR-2PTT-12ST-1701-3 Document Date: 1/30/2017 Quote Expires: 1/30/2018
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Part Num	Description	Qty	Unit Cost	Total
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1.0 Notes and Assumptions

Revision 1.2

Minor adjustments mainly on wire/services (refer to email)

Revision 1.1

Applied deductive alternatives

This results in full over the air automated voice dispatch using two PTT (Push to Talk) systems.

Includes WebEx operation and technical training.

Deleted servers and PCs. **City is responsible for procurement of all necessary servers and PCs.**

12 count-up timers are included.

Revision 1.0

Full over the air automated voice dispatch using one Harris API/LCDI and one PTT (Push to Talk) system.

Includes full project management.

~~Includes full on-site operation and technical training.~~

Includes Locution side of Locution/CAD interface.

Customer is responsible for contracting with CAD vendor for CAD side of Locution/CAD interface.

~~**Does not include Harris C3 Gateway. Customer must assure they have a C3 Gateway For existing (or added) to present Harris system.**~~

2.0 Central System Software and Hardware

2.1 Software (Standardized)

LADB-BAS	Locution PrimeAlert Audio Database (BASIC)	1	6,050	6,050
LPASE	Locution PrimeAlert Server Software	1	12,100	12,100
LPASU	Locution PrimeAlert Supervisor (up to 10 licenses)	1	13,750	13,750
BU-SRV	Automatic Fail-over with Double Take Software	0	43,000	0

2.2 Software (Custom/Interfaces)

LADB-ADV	Locution PrimeAlert-Audio Database (Adv) Advanced Hybrid Voice	1	26,400	26,400
LAPICONF	Locution PrimeAlert-Radio (API) Software Configuration/Upgrading	0	15,950	0
LSWCONF	Software Configuration	1	12,000	12,000
CI-CAD04	Interface to CAD (Locution side of Interface). Note customer must contract with CAD company to provide the CAD vendor's side of the interface.	1	12,100	12,100
CI-CAD-GDL	Upgrade of Locution CAD interface to support ADSI Global Data Interface Interface	0	26,000	0
2.3 Hardware				
SRV-DELL	Dell High-uptime Server	0	7,500	not bid
LUPS1500VA	1500VA UPS	0	445	0
Subtotal (Main)				\$82,400
3.0 PTT Radio System Software and Hardware				
3.1 Software (Standardized)				
LPARADS	Locution PrimeAlert Radio - Application Program Interface (API) Server Side	0	25,300	0
LPARADC	Locution PrimeAlert Radio - Application Program Interface (API) Client Side includes copy of DvServer for audio	0	37,950	0
LRPTTLIC	PrimeAlert Radio - Push to Talk Version (for dedicated radio dispatch channel configurations) Software License	1	13,195	13,195
CRPTTLIC-AD	PrimeAlert Radio - Push to Talk Version (for dedicated radio dispatch channel configurations) Software License (additional)	1	6,595	6,595
3.2 Software (Custom/Interfaces)				
LRPTT-SWCF	PrimeAlert-Radio-PTT Software Configuration	1	2,500	2,500
LRPTT-ENG	PrimeAlert-Radio-PTT Drawings/Engineering	1	2,200	2,200
LTIMESYNC	Time Synchronization to SecureSync's specs	0	4,900	0
3.3 Hardware				
PCASSEM-PT	PrimeAlert Radio - PTT PC	0	1,400	not bid
LEN32-PT	PrimeAlert Radio - PTT Enclosure, Active Cooling	2	1,315	2,630
RLY30PLC-DC	PrimeAlert Radio - PTT Relay PLC. Provides eight 7Amp relays per PLC DC Version.	2	745	1,490
PT				
RIU30	Radio Interfacing Unit	2	395	790
Subtotal (Radio)				\$29,400
4.0 Station Software and Hardware				
4.1 Software (Standardized)				
AVA- STSWLIC	Locution PrimeAlert Fire (client) provides full functionality station audio dispatching	12	2,415	28,980
AVA-SWVIS-1	Locution PrimeAlert Fire Client add-on module for relay switching and advanced zoned audio/lighting (single device)	12	665	7,980
4.2 Software (Custom/Interfaces) none				
4.3 Hardware - Basic				
PCASSEM	Station PC	0	1,400	not bid

LEN32-CR	Enclosure, Core: includes active cooling,wire management, system power, 120V surge-protection and isolation, with locked front panel door access.	10	1,195	11,950
LENC32-3Z	Enclosure, Core: includes active cooling,wire management, system power, 120V surge-protection and isolation, with locked front panel door access. Configured for 3 station areas.	2	1,949	3,898
SCU30	Station Control Unit: Converts PC audio to differential audio Supplies PC monitoring Supplies PC testing Supplies 4 general purpose control relays	12	1,095	13,140
IAS30	Intelligent Audio Switch: Supplies Muting of up to 3 audio channels previously connected to P.A. Amp	12	655	7,860
RLY30PLC-DC	Relay PLC: Provides eight 7Amp relays per PLC DC Version (includes software add-on to AVA-STSWLIC)	12	745	8,940
LUPS1500VA	1500VA UPS (for radio control equipment)	0	445	0
ACKN30-WM	ACK Switch: Provides Station Acknowledgement Wall Mount Version	0	105	0
LSW-DN	Day/Night Switch	12	125	1,500
RHL-RIA30	Radio Interface Unit - Active	12	795	9,540
WIRE-AVREL	Wire required per zoned station requirements	12	650	7,800
	(Subtotal \$64,628)			
4.4 Hardware - Audio				
	(Subtotal \$0)			
4.5 Hardware - Visual				
LDTIMER3	3 Digit Response Timer*	12	846	10,152
	(Subtotal \$10,152)			
Subtotal (Station)				\$111,740
5.0 Services				
Project Management				
PMFULL	Project Management - Full	1	9,350	9,350
Training				
LOCTR-OPTECW	PrimeAlert Operation/Tech Training (WebEx)	1	8,140	8,140
LOCTR-OP	PrimeAlert Operation Training (On-Site)	0	5,610	not bid
LOCTR-TEC	PrimeAlert Technical Training (On-Site)	0	5,610	not bid
TRV01-TR	Travel (or Remote Costs)	0	1,750	0
INOV	Installation Oversight (Installer Training) On-site	0	7,500	not bid
Local Support (1st year)				
LOCSUP01	Local Support	0	17,500	not bid
Installation				
INSTF-HE	Install - Head End	1	12,000	12,000
INSTF-Admin	Installation - Admin/Base	1	5,324	5,324
INSTFST3	Installation Firehouse #3	1	3,055	3,055
INSTFST4	Installation Firehouse #4	1	2,730	2,730
INSTFST8	Installation Firehouse #5	1	3,107	3,107
INSTFST10	Installation Firehouse #6	1	3,055	3,055
INSTFST11	Installation Firehouse #7	1	3,055	3,055
INSTFST12	Installation Firehouse #8	1	2,730	2,730
INSTFST13	Installation Firehouse #9	1	4,030	4,030

INSTFST16	Installation Firehouse #11	1	2,730	2,730
INSTFST19	Installation Firehouse #12	1	4,030	4,030
INSTFST20	Installation Firehouse #13	1	3,705	3,705
Subtotal (Services)				\$70,746

6.0 Totals (Categorized by Software, Hardware, Services)

Software	\$143,850
Hardware	\$79,690
Services (excluding any defined install, support)	\$17,490
Local Support (1st Year)	not bid
SubTotal (w/o install, maint, options)	\$241,030
Installation	\$53,256
Tax	Assumed no tax
Total (US Dollars) - as specified w/ BckUp	\$294,286
Maintenance (Annual)	\$17,630
Options	\$15,036

6.1 Totals (Categorized by Area)

SubTotal (Main)	\$82,400
SubTotal (Radio)	\$29,400
SubTotal (Station)	\$111,740
Services (excluding any defined install, support)	\$17,490
Local Support (1st Year)	not bid
SubTotal (w/o install, maint, options)	\$241,030
Installation	\$53,256
Tax	Assumed no tax
Total (US Dollars) - as specified w/ BckUp	\$294,286
Maintenance (Annual)	\$17,630
Options	\$15,036

7.0 Optional Equipment

Note: Items in this section are options & not reflected in total price				
ACKN30-WM	ACK Switch	12	99	1,188
	Provides Station Acknowledgement			
LLRB10E	Reader Board 1 Line 22-25 char Color, Ethernet*	12	1,154	13,848
* Note - installation charges will be required for each of above, based upon quotes from Oberlander Electric				
Subtotal (Options)				\$15,036

Exhibit C

TERMS AND CONDITIONS

All products sold by Locution Systems, Inc. ("LOCUTION") and all software licensed by LOCUTION are sold and licensed subject to the following TERMS AND CONDITIONS.

1. Payment Terms. Customer will pay LOCUTION within 30 days following installation of product or completion of project milestone. Interest on past due amounts shall accrue at the rate of 18 percent per annum until paid.

2. Risk of Loss. The Products shall be FOB Denver, Colorado and LOCUTION will assume the risk of loss until they are delivered to Customer.

3. Software License. LOCUTION grants to Customer a non-exclusive license and right to use the computer software for so long as Customer owns and uses the product. Customer will not further distribute the software without the prior consent of LOCUTION. Customer will not attempt to create the software by reverse engineering, reverse assembly or otherwise. The software included within the product is licensed for use only at the one site where the product is used and no others. Title to the software and all applicable rights, including copyright, shall remain in LOCUTION.

4. Limited Warranty. LOCUTION warrants title to the product and software. LOCUTION further warrants that the product and software will operate in material conformance with the product's published technical specifications at the time of shipment to Customer.

4.1 Defects. The products and software are warranted against defects in materials and workmanship for a period of one year from the date of LOCUTION's final acceptance or productive use invoice. Locution sends either a final acceptance or a productive use invoice for its multi-milestone projects.

4.2 Repair or Replacement. Products which prove to be defective during the warranty period will be repaired or replaced, at the option of LOCUTION, provided, however, that the failure is not due to abuse or misuse of the product. Products under warranty must be delivered to LOCUTION at Customer's expense for repair or replacement. The products will be returned to Customer at LOCUTION's expense.

4.3 Service Hours. Telephone support is available 24/7 365 days a year. Customer should call Locution's toll free number. Note that in certain situations, the Customer's main support individual's phone number MAY be set up to take after hour calls directly. In this situation, the Customer may directly call this number to obtain a more direct response.

5. Disclaimer of Additional Warranties. Except as set forth in paragraph 4, THERE ARE NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH WARRANTIES ARE SPECIFICALLY DISCLAIMED. LOCUTION DISCLAIMS ANY WARRANTY OR LIABILITY WITH RESPECT TO ANY PRODUCT OR SOFTWARE WHICH HAS BEEN MODIFIED BY ANY PARTY OTHER THAN LOCUTION.

6. Limitation of Liability. Customer agrees that regardless of the form of claim, whether contract, tort, or other, LOCUTION shall not be liable for any loss or expense of Customer arising

from claims made against Customer by any third party, nor for any claim by a third party against LOCUTION which arises from the product or software.

6.1 Force Majeure. LOCUTION shall have no liability to Customer or any third party for failure to perform under this Agreement because of acts or events reasonably beyond LOCUTION's control.

6.2 Damages Limited. LOCUTION's liability for damages to Customer or to any third party, regardless of the form of action, shall not exceed the total amount paid to LOCUTION by Customer.

6.3 Legal Assistance. If either party must resort to legal assistance to enforce any of these Terms and Conditions all reasonable expenses of the prevailing party, including attorney's fees, shall be recoverable as costs.

6.4 Time Limits. No legal action, regardless of the form, relating in any manner to the product, may be brought by either party more than two years after the event giving rise to the cause of action has occurred.

6.5 Excluded Damages. LOCUTION shall not be liable for consequential, incidental, or special damages arising from or related to the product even if LOCUTION has been advised of the possibility of such damages.

7. Arbitration. Any and all claims, disputes or controversies arising under, out of or in connection with the product or software, which have not been resolved within 90 days by good faith negotiations between the parties, may be resolved at the request of either party by final and binding arbitration or other mediation methods. Arbitration or mediation shall be conducted in Illinois, by a panel of arbitrators as the parties may agree and otherwise in accordance with the Commercial Arbitration Rules of the American Arbitration Association. The arbitrator(s) shall be governed by the domestic law of the State of Illinois, and shall have no authority to award punitive damages and shall be bound by the liability limitations herein set forth herein. The arbitrator(s)/mediators shall make detailed written findings to support the award. Application may be made to any court having jurisdiction for judicial acceptance of the award and an order of enforcement pursuant to the Colorado Uniform Arbitration Act.

8. GENERAL

8.1 Good Faith. Each of the parties hereto agrees that it shall act in good faith with regard to their respective obligations hereunder.

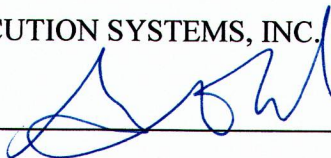
8.2 Applicable Law. These Terms and Conditions shall be construed as a domestic contract to be performed in and in accordance with the laws of Illinois.

8.3 Conflicting Terms. These Terms and Conditions may be modified only by a writing signed by LOCUTION and Customer. If there is a conflict between the terms set forth herein and any purchase order or other document issued by Customer, the terms hereof shall govern and prevail.

Revised


IN WITNESS WHEREOF, the parties have executed this Agreement as of the day and year first above written.

LOCUTION SYSTEMS, INC.

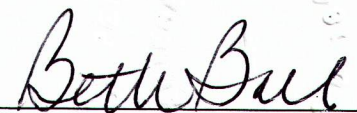
By: 

Name: Glenn Neal
Title: President, Locution Systems, Inc.

CITY OF PEORIA, IL

By: 

Name: Patrick Urich
Title: City Manager

By: 

Name: Beth Ball
Title: City Clerk

Peoria Cooperation Counsel
By: *Donald S. Leist*