

EXHIBIT G
CITY REQUESTED STANDARD SOFTWARE ENHANCEMENTS / MODIFICATIONS AND / OR
CUSTOM SOFTWARE

1. Definition of Project

New World will provide the **City** requested Standard Software Enhancements and/or Custom Software as discussed below to address the **City's** requirements. **City** agrees to cooperate in not making modifications and enhancements too extensive as defined in the 2(b)(1) procedure below.

An analysis and assessment to verify the scope of effort for the project will be conducted. A revised estimate for any modifications/interfaces may be provided at the conclusion of the assessment. **City** may elect to cancel or proceed with the modifications/interfaces based on the revised estimate. If **City** requests changes in the scope of interfaces listed below as "Fixed Costs", **New World** reserves the right to revise the costs.

Capabilities included in the initial scope:

- a) Enhancements / Modifications to Exhibit A Software
 - (1) Up to 200 hours of technical resources will be allocated for software modifications and/or custom reports. **City** shall only be charged for actual hours used.
- b) Custom Software/Interfaces
 - With **New World** providing consultation, **City** is responsible for obtaining technical contacts and/or technical specifications from the third parties involved.
 - (1) 7.2.16 Oklahoma Information Fusion Center or the ability to export to a COPLINK based data warehouse (Estimated cost - \$20,000):
 - (2) Ticket Export for both Traffic and Non-Traffic Citations (Fixed Costs)
 - (3) New World Systems CAD to Sansio ePCR Solution (Fixed Costs)
 - (4) Warrant Import from Sungard Court System (Fixed Costs)
 - (5) Two-Way Interface to GeoSafe Mobile
 - (6) One-way interface from City AFIX system to import mugshots (Fixed Costs)
 - (7) Custom Traffic Stop using AVL (Fixed Costs)
 - (8) New World Mobile queries to additional data sources: (estimated cost - \$20,000)
 - a) TBD

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2. Methodology to Provide Enhancements and/or Custom Software

a) Definition of New World's Responsibility

This project includes the following activities to be performed by **New World**.

- (1) Review of required features with **City**. Only items identified in Paragraph 1 above will be provided in this implementation plan.
- (2) Preparation of Requirements Document (RD) to include:
 - Detailed description of the required feature
 - menu samples
 - screen samples
 - report samples
- (3) Programming and programming test.
- (4) On-site training, testing and/or other support services at the Hourly Rate.

For modification requiring over fifty (50) hours of work, **New World** utilizes a design document procedure [see 2(b)(1) below]. For smaller modifications, **New World** uses a Request For Service (RFS) procedure. Both procedures are reviewed with **City** at a pre-installation planning meeting. The RFS procedure utilizes a form with a narrative description and supporting documentation if applicable to define the work to be done.

b) Implementation Schedule

<u>Activity</u>	<u>Targeted Time Period</u>
(1) Complete Design Review with City Staff. City agrees to be reasonable and flexible in not attempting to design the modifications to be more extensive than called for in the scope (cost and schedule) of this project.	To be determined
(2) New World submits completed RD to City .	To be determined
(3) RD is accepted and signed off by City (no programming will be done by New World until the formal sign-off and City's authorization to proceed in writing).	To be determined
(4) New World completes programming from RD and provides modified software to City .	To be determined
(5) Software Modification Acceptance Test based on RD.	To be determined

c) City's Responsibility

All **City** requested changes after RD sign-off must be documented by **City** and authorized in writing including potential costs, if any. Additional changes will most likely delay the schedule and may increase the cost.

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Name	Ticket Export for both Traffic and Non-Traffic Citations
Short Description of Interface or Custom Modification	New World will provide a one-way export of ticket and citation information to the Sungard Court System for both traffic and Non-Traffic Citations.
Data Source	New World Ticket Module
Target	Sungard Court System Import Process
Interface Direction	One Way Export
NWS Interface	Custom Interface – not previously developed
External System Interface	N/A
Detailed Description	<p>Currently, a daily batch process is in place that provides the ticket data to the court system using a text file format. This process imports a set file name which causes issues on court holidays is the export process is not suspended. This ICD is based on Sungard being able to provide some minor modifications to their process to support a more flexible workflow.</p> <p>New World will provide TWO different file formats for the export. Traffic Tickets are based on one format and non-Traffic are based on another. File format may require a fixed field length, fixed record length format.</p>
Protocol/Transport	LAN based file export
Data Formats	Text or XML, may require two separate formats, may require fixed field fixed record length
3rd Party Requirements	Sungard will need to work with New World during development of the requirements document to design a more flexible import process that is not reliant on the file name and does not require manual intervention. This most likely will incur costs from Sungard in addition to the costs outlined in this document. Sungard will need to provide a technical contact for development of this interface.
NWS Tasks	<ul style="list-style-type: none"> • Work with agency to define functionality of interface • Develop requirements document (RD) for approval • Install, configure, and test interface
Customer Tasks	<ul style="list-style-type: none"> • Work with NWS to define functionality of interface (help define the RD) • Customer responsible for obtaining technical specifications and any necessary 3rd party technical contacts or modifications • Have resource available to review and approve interface design (sign off on RD) • Have resources available to assist in installation, configuration, and testing of interface. Personnel assigned should be familiar with the external system
Comments	New World is supporting only existing Ticket and Citation Fields, no new fields will be added to the module for this interface.

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Name	New World Systems CAD to Sansio ePCR Solution
Short Description of Interface or Custom Modification	New World will provide a one-way export of call for service information to the Sansio ePCR solution.
Data Source	New World Systems CAD
Target	Sansio ePCR
Interface Direction	One Way interface
NWS Interface	Custom Interface
External System Interface	N/A
Detailed Description	<p>Sansio supports imports from CAD systems via HealthEMS Xchanger. This component will import CAD call for service information into the ePCR solution.</p> <p>New World will export an XML file to a shared directory on the network accessible to both applications. This file will contain the call for service information including the unit status and times. The file will be exported based on an event (call cleared, unit at patient, etc). Sansio will monitor the directory to parse and submit the CAD data thru their solution.</p>
Protocol/Transport	File/Folder or UNC path
Data Formats	XML or other text based file formats
3rd Party Requirements	Sansio will need to provide contact information for a technical resource for any questions during development, installation, or testing of this interface.
NWS Tasks	<ul style="list-style-type: none"> • Work with agency to further define scope and functionality of interface • Develop functional specification for approval (Requirements Document or RD) • Install, configure, and test interface
Customer Tasks	<ul style="list-style-type: none"> • Work with NWS to review scope and functionality of interface (requirements document) • Customer responsible for obtaining any required 3rd party technical specifications and technical contact information. • Have resource available to review and approve interface design (signoff of RD) • Have resources available to assist in installation, configuration, and testing of interface. Personnel assigned should be familiar with the external system • Customer is responsible for any network configuration required for successful deployment of this interface.

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Name	Warrant Import from Sungard Court System
Short Description of Interface or Custom Modification	New World will provide a one-way import of warrant information from the Sungard Court System to populate LERMS Wants and Warrant module.
Data Source	Sungard Court Warrant Export
Target	New World Warrant Module
Interface Direction	One Way Import
NWS Interface	Custom Interface – not previously developed
External System Interface	N/A
Detailed Description	<p>New World will provide a one-way import of warrant data from the current court export to create warrants in the LERMS system. This includes both additions and cancellations of warrants.</p> <p>The existing process has been in place for some time and the current batch process is a complete dump of all warrant files every night. The import may have to check key fields to determine if a record needs to be updated or ignored. The file produced for import is a small data set currently comprising approximately 500 records.</p> <p>Current process is a daily batch update. Given the critical nature of warrant data, customer would like to process more frequently dependent on how frequently Court can export records.</p>
Protocol/Transport	LAN based file import
Data Formats	Text file – may be fixed field length fixed record length from a As/400
3rd Party Requirements	Must provide file format and details on export process. Sungard must provide a technical contact if questions arise during development of this interface.
NWS Tasks	<ul style="list-style-type: none"> • Work with agency to define scope and functionality of interface • Develop requirements document (RD) for approval • Install, configure, and test interface
Customer Tasks	<ul style="list-style-type: none"> • Work with NWS to define scope and functionality of interface (help define the RD) • Customer responsible for obtaining technical specifications and any necessary 3rd party technical contacts • Have resource available to review and approve interface design (sign off on RD) • Have resources available to assist in installation, configuration, and testing of interface. Personnel assigned should be familiar with the external system

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Name	Two Way Interface to GeoSafe Mobile
Short Description of Interface or Custom Modification	New World will provide a two way interface to GeoSafe Mobile to support dispatch/clear call, unit status changes, AVL, messaging/chat, and quick call initiation.
Data Source	New World Systems/GeoSafe
Target	GeoSafe/New World Systems
Interface Direction	Two Way
NWS Interface	Custom Interface – not previously developed
External System Interface	GeoSafe API <documentation embedded>
Detailed Description	<p>New World will provide a two way interface with GeoSafe Mobile to support dispatch, basic unit status changes, AVL, messaging/chat, and quick call initiation. This interface will use a “message forwarder” deployed on a DMZ server that will communicate with a standard New World component installed on an internal server. The GeoSafe API is not located on premise; it is installed at a remote data center and communicates across the internet. The “message forwarder” will serve as a communication gateway to GeoSafe to limit required network and firewall configuration.</p> <p>For the purposes of this interface, the following definitions are provided:</p> <ul style="list-style-type: none"> • Dispatch - Dispatch refers to CAD sending the call for service information to the GeoSafe mobile unit. CAD sends text information including hazards and alerts as part of this message. • Unit status changes - The basic set of configurable unit statuses used by CAD that would be available from the GeoSafe mobile client. Examples include: enroute, at scene, report writing, transport, clear unit from call, etc. This interface will not support all available CAD unit statuses; we will work with the customer to determine the appropriate list of frequently used unit statuses needed for daily operations. • AVL - The interface will also receive AVL messages from GeoSafe. These AVL messages must include a unique unit identifier and use industry standard NMEA formats. This interface assumes that the GeoSafe AVL device can control standard parameters and all configurations like pacing, interval, and minimum transmission time is set on the device or within the GeoSafe application. The interface will support plotting this information in CAD (based on CAD configuration) and will send this information to the New World mobile clients. • Messaging/Chat – This refers to the basic unit to unit or dispatcher to unit messaging capabilities. The intent is to support active chat between on New World clients and GeoSafe mobile clients. • Quick Call – Quick Calls are any officer initiated activity that is sent to

	<p>CAD. Typically used for traffic stops, citizen assists or other activity; the interface will create the appropriate CAD event and send an acknowledgement to the GeoSafe mobile client.</p> <p>The interface will provide this functionality as supported by the GeoSafe API.</p>
Protocol/Transport	Web Services (HTTPS\Certificate)
Data Formats	See Geosafe API
3rd Party Requirements	GeoSafe will provide a technical resource for development of the RD (requirements document), questions, and installation/testing of interface.
NWS Tasks	<ul style="list-style-type: none"> • Work with agency to define scope and functionality of interface • Develop requirements document (RD) for approval • Install, configure, and test interface
Customer Tasks	<ul style="list-style-type: none"> • Work with NWS to define scope and functionality of interface (help define the RD) • Customer responsible for obtaining technical specifications and any necessary 3rd party technical contacts • Have resource available to review and approve interface design (sign off on RD) • Have resources available to assist in installation, configuration, and testing of interface. Personnel assigned should be familiar with the external system



geosafe mobile API Reference.pdf

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Name	Import from AFIS System
Short Description of Interface or Custom Modification	New World will import an industry standard file from the local AFIS system to create a global subject, mugshot, and subject based alert.
Data Source	AFIS system (local at Norman)
Target	Aegis Suite to create global subject with mugshot and subject alert
Interface Direction	One-Way Import
NWS Interface	Custom Interface – not previously developed
External System Interface	File Share/UNC path>>AFIS will need to create a file and export that to a shared network location for import. New World will monitor that location and import the file information.
Detailed Description	<p>New World will import an industry standard file format to create a global subject, photo, and will create a configurable subject alert to identify this person as being an arrested subject. This import will attempt to match the incoming subject based on standard criteria and the jurisdiction control file settings. If no match exists, the interface will create the global subject. If a match exists, the interface will update the subject information (overwriting some values) and attach the new mugshot.</p> <p>The local AFIS system will need to export this information and may need to provide a format other than EFT. The EFT format is designed to support transmission of the fingerprint data; New World does not store or support most of the payload of this file type. This may require additional services and work from the AFIS vendor which is not part of this proposal.</p>
Protocol/Transport	UNC\File Folder
Data Formats	TBD. The EFT format is designed specifically for electronic fingerprint submission which may require AFIS provide another format for import. The mugshot must be an industry standard image file or base64 text string.
3rd Party Requirements	AFIS vendor must provide an industry standard file format for subject and mugshot. This may require custom work from the AFIS vendor and additional cost or may not be supported by that vendor. New World will work with the AFIS vendor in good faith to minimize this effort. AFIS will also need to provide the data schema and details required to import any data.
NWS Tasks	<ul style="list-style-type: none"> • Work with agency to review scope and functionality of interface • Develop requirements document (RD) for approval • Build Interface • Install, configure, and test interface
Customer Tasks	<ul style="list-style-type: none"> • Work with NWS to review scope and functionality of interface • Customer responsible for obtaining technical specifications and any necessary 3rd party technical contacts • Have resource available to review and approve interface design (sign off on RD) • Have resources available to assist in installation, configuration, and testing of interface. Personnel assigned should be familiar with the external system

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Name	New World Systems Mobile Traffic Stop Enhancement
Short Description of Interface or Custom Modification	New World will provide an enhancement to the mobile client that allows an officer to enter a traffic stop by clicking a toolbar button that automatically gets the unit coordinates, defaults the call type, and puts the cursor in the plate field for rapid entry. This modification may be done over multiple releases as defined in the detailed description.
External System Interface	N/A
Detailed Description	<p>New World will provide a modification to the existing mobile product that provides the users current location automatically via AVL/GPS. This enhancement will allow the user to select the Quick Call/Traffic Stop button in the mobile client and will provide the following: current location coordinates, default call type, and a field for vehicle plate entry. The cursor will be initially located in the plate field for quick entry by user. A user will have an option to update the AVL location in this form as needed. Any AVL location update will write the existing location into the narrative window. When a user clicks the "Send" button, the mobile client will send this message to CAD and create the appropriate call for service. Dispatch will be able to validate the location of these coordinates using the existing GIS functionality including "hundred block" addressing using common names.</p> <p>As a future product feature, New World will provide mobile client geo-validation capabilities. This will be done in conjunction New World's implementation of ESRI release 10.1 in mobile mapping. This new functionality will allow a user to validate the coordinates provided from a Quick Call operation on the mobile client before sending the message to CAD. Users will also be able to change the call location of the resulting dispatch message in the mobile client.</p>
NWS Tasks	<ul style="list-style-type: none"> • Work with agency to review modification and confirm requirements • Develop functional specification for approval (Requirements Document or RD) • Build modification and conduct show and tell • Deliver and test modification
Customer Tasks	<ul style="list-style-type: none"> • Work with NWS to review scope and functionality of modification • Review and approve RD • Actively participate in any conference calls, discussions, or show and tells related to this modification • Provide resources to test the provided enhancement in a timely manner
Comments	This feature may be delivered across multiple releases and may require an upgrade of ESRI components by customer.

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Name	Additional Mobile Inquiries
Short Description of Interface or Custom Modification	New World will provide functionality to support three additional subject inquiries from the mobile client to support Cleveland and Oklahoma County Warrants and Oklahoma DOC.
Data Source	Cleveland County, Oklahoma County, DOC
Target	New World Systems Mobile Client
Interface Direction	Two-Way (Query and Response)
NWS Interface	Custom Interface – not previously developed
External System Interface	Web Services and TBD
Detailed Description	<p>New World will provide a mechanism to support queries from the mobile client to systems other than OLETS. A user will be able to run a subject inquiry and mobile/message switch will also query the Cleveland County and Oklahoma County Warrant systems. The subject inquiry will also check the state DOC site. Based on initial discussion, web services may be available for the warrant systems. Additional discussions with these agencies will be needed. The intent of this interface is to provide an industry standard inquiry method (not screen scrape) that will provide a response to an inquiry that can be displayed in the mobile client.</p> <p>Another option may exist. Oklahoma has a Fusion Center that may provide all this information via one inquiry. At the time of this ICD, we have not explored that option due to NDA requirements. If the state Fusion center can provide the information outlined above and New World can agree to their NDA then that our interface may be to the State Fusion Center.</p>
Protocol/Transport	Web Services/TBD
Data Formats	XML/TBD
3rd Party Requirements	Systems being queried must support an industry standard approach that allows a remote subject inquiry and returns a response. New World is limited to standard OLETS support until these other systems can support this requirement. Remote systems must provide documentation and have a technical contact available for development of this interface.
NWS Tasks	<ul style="list-style-type: none"> • Work with agency to review scope and functionality of interface • Develop requirements document (RD) for approval • Build Interface • Install, configure, and test interface
Customer Tasks	<ul style="list-style-type: none"> • Work with NWS to review scope and functionality of interface • Customer responsible for obtaining technical specifications and any necessary 3rd party technical contacts • Have resource available to review and approve interface design (sign off on RD) • Have resources available to assist in installation, configuration, and testing of interface. Personnel assigned should be familiar with the external system