

EXHIBIT A-1
Statement of Work Template

STATEMENT OF WORK FOR A MILESTONE, DELIVERABLE OR SERVICE-BASED PROJECT
BETWEEN
STATE OF MISSISSIPPI, DEPARTMENT OF Wildlife, Fisheries, and Parks
AND
GUIDESOFT, INC., d/b/a KNOWLEDGE SERVICES
AND
INFORMATION MANAGEMENT SYSTEMS INC.

Authorization for work performed pursuant to this Statement of Work "SOW" is granted under the terms of the Master Consulting Services Agreement between GuideSoft, Inc. d/b/a Knowledge Services and Mississippi Department of Information Technology Services.

INTRODUCTION

The Mississippi Department of Wildlife, Fisheries, and Parks contracted with The Geospatial Group in March 2014 to build the framework of NRIS. MDWFP has implemented several NRIS modules. The agency desires to make changes to existing modules and implement new modules to streamline processes and provide better efficiency within the wildlife bureau of the agency.

SCOPE OF WORK

Convert NRIS Solution to Single Entity Data Model.

- This will speed up development time when changes are made to database.

Database Maintenance

- Some DMAP and TMAP Clubs are the same property, but do not share the same entity ID. They will need to be matched up.
- Write a console app to loop through and update the Entity ID in all the correct places. This should include Club tables as well as Hunter tables.

API

- Update Register Method to Search for Customer Number
- Update Basic User Profiles with Customer Number
- This will allow us to match users who have multiple profiles from Game Check and WMA Check-In/Out.

WMA Check-In Dashboard

- Charts & Graphs for Home Page
- Individual WMA Page
- Build SQL Views for Graphs
- Build and Implement

WMA

- Develop Waterfowl items
- Water levels and pumping applications
- Population estimates

TMAP

- Redesign Data Entry Screen
- Default Harvest to No
- Reports

- Export Raw Data
- Aggregate Reports
- Allow user to view another year.
- Distinguish Between Public & Private
- Email Report Link to Hunters

Group field should default to 'Public' or 'Private' based on the club ID

- 9999 = always 'Private';
- 8888 = always 'Public';
- NRIS ID 11538 to 11582 = 'Public'

Pretty much any other NRIS ID will be 'Private'

County codes should be able to be entered per their numeric, chronologic number 1-82, then the system recognize and convert to the NRIS number in database

On the TMAP hunter page the query functionality of the 'Hunter ID' column does not seem to be working.

DMAP

- Need Check box for "Enclosure" on application.
- Add Feature for DMAP V2
- Add feature for WMAs to have Man-days incorporated into DMAP reports.
- Assigning club "Manager" and "Member" is not manageable by DMAP Biologist – need a portal for Biologists to manage club member accounts and other administrative actions for the public side of NRIS.

Update Reports

- Design PDF Version
- Update HTML Version
- Several changes in Data Calculations.
- Interactive report does not work properly from hunter's login –end user can see the html code notations.
- Add features for DMAP V2

Incorporate "Dashboard" features based on biologist recommendations that are manageable by the end user

- Changes in data management from year to year and calculations.
- Selected soil region keeps going away on applications (Needs to be assigned by biologist, not applicant)
- Previous year's applications and info disappears and is replaced by new application info
- Need to be able to export all application info into a spreadsheet
- In years where club does not submit data, 0 is inserted for data (which skews the averages)
- When years are grouped in tables, the averages are sometimes incorrect
- Hunter Observation Data

Camera Survey application

- Need "back end" data management capabilities for biologists
- Updated season date options (2019)
- Camera placement (add option to zoom to a coordinate or other feature to make easier to find camera locations).

Private Lands Program

- Site visits request application: minor changes (add acres, column for "Biologist", etc.)
- Most importantly, this feature should be completely integrated with the "Landowner Contacts" function in mapping and the "Site Visit Summary"

Incorporate mapping and DMAP features into PLP Property summaries

- Land use data (CropSCAPE)
- Soils
- DMAP antler stats and body weights

Breeding dates

- Management Recommendations feature
- "Site Visit Summary" report – summary of "Site Visit Evaluation" form, information from mapping application, and management recommendations

MAPPING

- Integrate tools from USDA applications (CropSCAPE and WebSoilSurvey)
- The mapping materials should be fully integrated into the rest of the system (DMAP, TMAP, Site Visit Requests, WMA, etc.)
- Mapping by biologist and/or landowner

Point Boundary * required

- Derive and store county based on point
- Derive soil region based on point
- Geography based reporting

Poly Boundary Elements

- Poly Water elements
- Poly habitat types from survey check boxes (hardwood, pine, etc)
- Poly units

Mobile view with attributes

- Occupied
- Available
- Must be online
- "E-signin" to unit
- Line Water
- Line Roads
- Line Trails
- Point Stands

Mobile view with attributes

- Occupied
- Available
- Must be online
- "E-signin" to stand

Point Gates

- Point observations

Mobile optimized

- Offline capable
- "Quick entry"
- By stand
- By unit

Point Harvest

- Tied to specific landowner role
- Part of request process (please draw in your boundary)
- Offline cache

Biologist map (see all properties with navigation)

- Need to see who else is in area when doing a site visit
- Ability to select points near where site visit is being done to see if it is the same landowner
- Public mapping
- General public ability to draw 40 acres
- Landowners

All reported bugs that occur during development will be fixed as necessary

PERIOD OF PERFORMANCE

Start date: 4/20/20 – no end date provided

PLACE OF PERFORMANCE

The vendor can work from their workplace; however, the vendor must be available to attend onsite required meetings, and other meetings requested by MDWFP in Jackson, MS. The awarded vendor will be required to travel to MDWFP HQ in Jackson, MS to work with MDWFP staff as needed. Preference will be given to local vendors.

Project Name: Natural Resource Information System (NRIS)		Posting ID#: 70395
Project Start Date: April 20, 2020		Project End Date: TBD
Milestone/Deliverable or Services Description		Cost
Milestone/Deliverable or Services 1: Convert NRIS Solution to Single Identity data model. <ul style="list-style-type: none"> • Match up DMAP and TMAP clubs that do not share the same identity • Write console app to lop through and update the Entity ID. API • Update Register Method to search for customer number • Update basic user profiles with customer number • All reported bugs that occur during development will be fixed as necessary 		\$ 17,000.00
Milestone/Deliverable or Services 2: WMA Check-In Dashboard <ul style="list-style-type: none"> • Charts & Graphs for Home Page • Individual WMA Page • Have Design meeting with MDWFP Wildlife Technical Staff • Build SQL Views for Graphs • Build and Implement WMA <ul style="list-style-type: none"> • Develop Waterfowl items • Water levels and pumping applications • Population estimates TMAP • Redesign Data Entry Screen • Default Harvest to No Reports • Export Raw Data • Aggregate Reports 		\$ 25,000.00

<ul style="list-style-type: none"> • Allow user to view another year. • Distinguish Between Public & Private • Email Report Link to Hunters <p>Group field should default to 'Public' or 'Private' based on the club ID</p> <ul style="list-style-type: none"> ➤ 9999 = always 'Private'; ➤ 8888 = always 'Public'; ➤ NRIS ID 11538 to 11582 = 'Public' <p>Pretty much any other NRIS ID will be 'Private' County codes should be able to be entered per their numeric, chronologic number 1-82, then the system recognize and convert to the NRIS number in database On the TMAP hunter page the query functionality of the 'Hunter ID' column does not seem to be working.</p> <ul style="list-style-type: none"> • All reported bugs that occur during development will be fixed as necessary 	
<p>Milestone/Deliverable or Services 3:</p> <p>DMAP</p> <ul style="list-style-type: none"> • Need Check box for "Enclosure" on application. • Add Feature for DMAP V2 • Add feature for WMAs to have Man-days incorporated into DMAP reports. • Assigning club "Manager" and "Member" is not manageable by DMAP Biologist – need a portal for Biologists to manage club member accounts and other administrative actions for the public side of NRIS. <p>Update Reports</p> <ul style="list-style-type: none"> • Design PDF Version • Update HTML Version • Several changes in Data Calculations. • Interactive report does not work properly from hunter's login –end user can see the html code notations. • Incorporate "Dashboard" features based on biologist recommendations that are manageable by the end user • Changes in data management from year to year and calculations. Selected soil region keeps going away on applications (Needs to be assigned by biologist, not applicant) • Previous year's applications and info disappears and is replaced by new application info • Need to be able to export all application info into a spreadsheet in years where club does not submit data, 0 is inserted for data (which skews the averages) When years are grouped in tables, the averages are sometimes incorrect <p>Hunter Observation Data Camera Survey application</p> <ul style="list-style-type: none"> • Need "back end" data management capabilities for biologists • Updated season date options (2019) • Camera placement (add option to zoom to a coordinate or other feature to make easier to find camera locations). <p>Private Lands Program</p> <ul style="list-style-type: none"> • Site visits request application: minor changes (add acres, column for "Biologist", etc.) • Most importantly, this feature should be completely integrated with the "Landowner Contacts" function in mapping and the "Site Visit Summary" 	<p>\$ 27,000.00</p>

<ul style="list-style-type: none"> • Incorporate mapping and DMAP features into PLP Property summaries <ul style="list-style-type: none"> ➤ Land use data (CropSCAPE) ➤ Soils ➤ DMAP antler stats and body weights ➤ Breeding dates • Management Recommendations feature • "Site Visit Summary" report – summary of "Site Visit Evaluation" form, information from mapping application, and management recommendations • All reported bugs that occur during development will be fixed as necessary 	
<p>Milestone/Deliverable or Services 4:</p> <p>MAPPING</p> <ul style="list-style-type: none"> • Integrate tools from USDA applications (CropSCAPE and WebSoilSurvey) <p>The mapping materials should be fully integrated into the rest of the system (DMAP, TMAP, Site Visit Requests, WMA, etc.)</p> <ul style="list-style-type: none"> • Mapping by biologist and/or landowner <ul style="list-style-type: none"> ➤ Point Boundary * required ➤ Derive and store county based on point ➤ Derive soil region based on point ➤ Geography based reporting ➤ Poly Boundary Elements ➤ Poly Water elements ➤ Poly habitat types from survey check boxes (hardwood, pine, etc) • Poly units <ul style="list-style-type: none"> ➤ Mobile view with attributes ➤ Occupied ➤ Available ➤ Must be online ➤ "E-signin" to unit ➤ Line Water ➤ Line Roads ➤ Line Trails ➤ Point Stands ➤ Mobile view with attributes ➤ Occupied ➤ Available ➤ Must be online ➤ "E-signin" to stand ➤ Point Gates ➤ Point observations ➤ Mobile optimized ➤ Offline capable ➤ "Quick entry" ➤ By stand ➤ By unit 	<p>\$23,000.00</p>

<p>Point Harvest</p> <ul style="list-style-type: none"> • Tied to specific landowner role • Part of request process (please draw in your boundary) • Offline cache <p>Biologist map (see all properties with navigation)</p> <ul style="list-style-type: none"> • Need to see who else is in area when doing a site visit • Ability to select points near where site visit is being done to see if it is the same landowner <p>Public Mapping</p> <ul style="list-style-type: none"> • general public ability to draw 40 acres • landowners <ul style="list-style-type: none"> • All reported bugs that occur during development will be fixed as necessary 	
Total Project Cost	\$ 92,000.00

A change order will be required for any modifications to the project (including project scope/project cost). The change order must be created by Knowledge Services, based on the approved change order justification received by VENDOR (approved by AGENCY). The change order must be signed by AGENCY, VENDOR, and Knowledge Services prior to the vendor receiving clearance to move forward with the requested changes.

ACCEPTANCE CRITERIA

For each Milestone/Deliverable the vendor will provide a detailed report that includes the code changes that were made and identifying how the Milestone/Deliverable was met. MDWFP will require 10 business days to conduct acceptance testing. MDWFP's acceptance or denial of the Milestone/Deliverable in dotstaff will provide notification to the vendor. MDWFP will provide the vendor a list of issues that must be addressed within an agreed upon time of frame between MDWFP and the vendor in the case of a Milestone/Deliverable denial.

OTHER REQUIREMENTS

1. Awarded vendor must have a primary developer within the greater Jackson metro area to oversee the project and attend on-site meetings as required.
2. The individual proposed for the primary developer role must have verifiable work experience in the following areas.
3. Primary developer assigned to each application project must have verifiable working experience in the following areas:

Skill Set	Requirement
Development of Microsoft ASP.NET web applications with Visual Studio 2010 or later including mobile optimization and client side development tools.	5 Years
Telerik UI for ASP.NET	3 Years
Telerik Reporting	3 Years
Microsoft SQL Server development	5 Years
IIS	5 Years
Source Control	3 Years
MVC	3 Years

Javascript	2 Years
Bootstrap	1 Year
Html5	1 Year
Responsive Design	1 Year

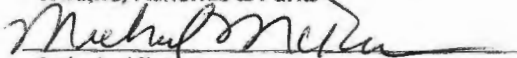
4. All Individuals(s) as members of the Vendor's project team must collectively have the following skills. Names and resumes (or other summaries of the project team's education and work experience) must be included.

Skill Set/Requirement for each Team Member	Requirement
Ability to effectively communicate in English verbally and in writing.	Documented experience required; no minimum length of time is specified
Ability to interact with functional users and technical staff regarding business and information technology needs.	Documented experience required; no minimum length of time is specified
Ability to listen and solve problems	Documented experience required; no minimum length of time is specified
Ability to create and maintain documentation.	Documented experience required; no minimum length of time is specified
Ability to manage and facilitate resolution of non-technical issues.	Documented experience required; no minimum length of time is specified

5. Additional consideration for Microsoft competencies and certifications directly related to ASP.NET and/or SQL development

For the faithful performance of the terms of this Statement of Work, the parties hereto have caused this Statement of Work to be executed by their undersigned authorized representatives.

State of Mississippi, Department of
Wildlife, Fisheries & Parks


Authorized Signature

Michael McRae
Printed Name

Director of Information Technology
Title

4/21/2020
Date

NHM Solutions, LLC.


Authorized Signature

Donald C. Woods
Printed Name

Owner
Title

4/13/2020
Date

Guidesoft Inc., d/b/a Knowledge Services



Authorized Signature

Doreen DeLancy
Printed Name

Program Manager
Title

April 13, 2020
Date

Guidesoft Inc., d/b/a Knowledge Services - Legal


Authorized Signature

Katie Belange
Printed Name

Corporate Counsel
Title

Apr 22, 2020
Date