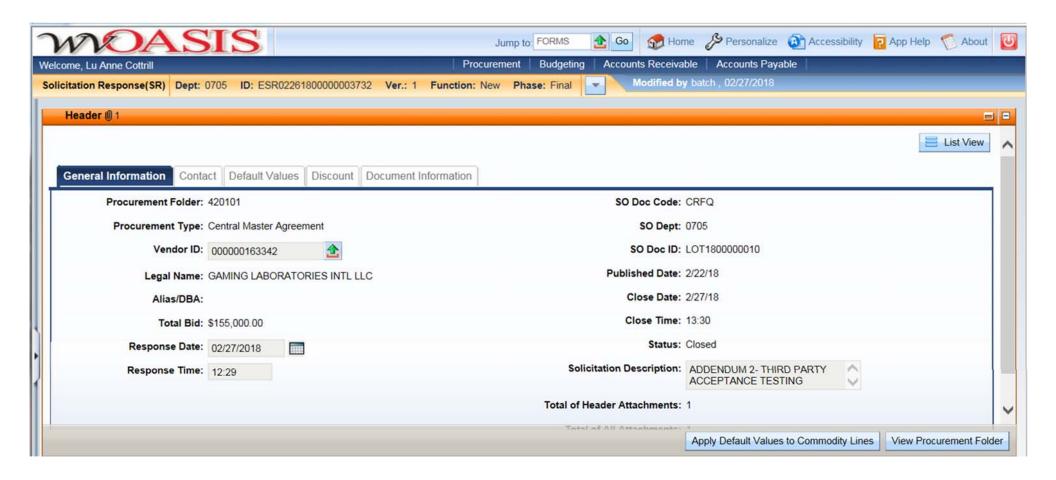
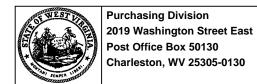


2019 Washington Street, East Charleston, WV 25305 Telephone: 304-558-2306 General Fax: 304-558-6026

Bid Fax: 304-558-3970

The following documentation is an electronicallysubmitted vendor response to an advertised solicitation from the West Virginia Purchasing Bulletin within the Vendor Self-Service portal at wvOASIS.gov. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at WVPurchasing.gov with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.





State of West Virginia Solicitation Response

Proc Folder: 420101

Solicitation Description: ADDENDUM 2- THIRD PARTY ACCEPTANCE TESTING

Proc Type: Central Master Agreement

Date issued Solicitation	Closes Solicita	tion Response	Version
2018-02-2 13:30:00	7 SR	0705 ESR02261800000003732	1

VENDOR

000000163342

GAMING LABORATORIES INTL LLC

Solicitation Number: CRFQ 0705 LOT1800000010

Total Bid: \$155,000.00 **Response Date:** 2018-02-27 **Response Time:** 12:29:17

Comments:

FOR INFORMATION CONTACT THE BUYER

Michelle L Childers (304) 558-2063 michelle.l.childers@wv.gov

Signature on File FEIN # DATE

All offers subject to all terms and conditions contained in this solicitation

Page: 1 FORM ID: WV-PRC-SR-001

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	GAMING SYSTEM TESTING	1000.00000	HOUR	\$155.000000	\$155,000.00

Comm Code	Manufacturer	Specification	Model #	
80101507				

Extended Description:

HOURLY RATE TO PROVIDE TESTING SERVICES. ALL LODGING, MEALS, AND TRAVEL SHOULD BE INCLUDED IN THE HOURLY RATE BID.

QUANTITY OF HOURS IS ESTIMATED AND TO BE USED FOR BIDDING AND EVALUATION PURPOSES. NO FUTURE USE OF THIS CONTRACT IS GUARANTEED OR IMPLIED.

Comments: \$155.00 per hour



GLI'

World Headquarters

600 Airport Road Lakewood, NJ 08701

Phone (732) 942-3999 Fax (732) 942-0043 www.gaminglabs.com February 23, 2018

Michelle Childers
Senior Buyer
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

RE: Solicitation No. LOT1800000010
Third Party Acceptance Testing

Dear Ms. Childers:

Gaming Laboratories International, LLC (GLI) respectfully submits this proposal in response to the above solicitation for Third Party Acceptance Testing.

With over 27 years of industry experience, GLI offers unmatched competency, and our personnel are uniquely specialized in acceptance testing. A testament to the quality that GLI has delivered can be seen in the number of recurring engagements with the same clients.

On behalf of our firm of highly qualified professionals, we look forward to your evaluation of our proposal. This submission demonstrates GLI's commitment in providing West Virginia with the highest quality of service.

Thank you for the opportunity to respond to this CRFQ. Should you have any questions or need additional information about our response, please feel free to contact Anne Stone, Procurement Manager, at (732) 961-5031.

Sincerely,

Bruce A. Hecht

Chief Financial Officer

Worldwide Locations

World Headquarters Lakewood, New Jersey

U.S. Regional Offices
Colorado
Nevada

International Offices
GLI Africa

GLI Arrica
GLI Asia
GLI Australia Pty Ltd
GLI Austria GmbH
GLI Europe BV
GLI Italy
GLI South America



THIRD PARTY ACCEPTANCE TESTING

February 27, 2018

1:30 PM EST



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CORPORATE EXPERIENCE

Corporate Overview

For over 27 years, **Gaming Laboratories International, LLC (GLI)** has been the world leader in providing independent Quality Assurance Testing, RNG testing, Product Certification and Consulting Services to the Lottery, Gaming and Wagering industries. GLI's first corporate contract, signed in 1989, was to test lottery devices and systems. What began as testing for a single jurisdiction has now grown to more than 65 lottery jurisdictions worldwide, most of them exclusively, which is more than any testing organization in the world. In fact, GLI has been bringing its strategic insights and testing expertise to the lottery and gaming industries worldwide. GLI helps regulators ensure the integrity of the gaming industry, and is proud to say that regulators around the world have come to trust us. Suppliers have also come to rely on GLI to thoroughly test, inspect, and certify, so that there are no surprises when their products go live in the field.

We have demonstrated our excellence in global testing by earning the industry best practice standard, <u>ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories Accreditation</u> for all laboratory work throughout our network of global labs. GLI specializes in, and adheres to, the strictest quality standards and industry best practices:

- ✓ ISTQB certification for testers (International Software Testing Qualifications Board) leader in the certification of competencies in software testing.
- ✓ ISO/IEC/IEEE 29119 Software Testing an internationally agreed set of standards for software testing that can be used within any Software Development Life Cycle (SDLC) or organization.
- Capability Maturity Model Integration (CMMI) which defines maturity levels for processes in the SDLC.
- ✓ World Lottery Association Security Control and Responsible Gaming Standards.
- ✓ Gaming Standards Association (GSA) standards.
- ✓ Multi State Lottery Association Standards (MUSL).

Our Software Quality Assurance, Testing and Professional Services Division was formed in November 2011, and has been providing Software Quality Assurance & Testing services to the gaming industry over the past seven years.

GLI has provided Software Quality Assurance, Testing, Certification and Professional Consulting Services to more lotteries in the United States and around the world than any other test lab, and we are confident in the quality of our work. The strength and experience of GLI's team, and the value we will bring to the West Virginia Lottery in this engagement is unmatched.



Technical Capability

GLI has sourced and hired what we consider to be the top professionals in the lottery industry to provide quality services to our clients. We currently provide end-to-end Software Quality Assurance & Testing services to numerous lotteries throughout North America. Our technical capabilities are summarized as follows:

- Program and project management of successful large scale lottery system modernization projects.
- ✓ GLI has utilized a Multi-Supplier Integrator (MSI) model to handle the complex management of stakeholders and vendors with the use of advanced Quality Assurance processes.
- ✓ Implementation of a proven and scalable QA Testing methodology that can be customized for the West Virginia Lottery.
- ✓ Numerous seasoned resources bringing QA testing and IT experience, specific to the lottery industry.
- ✓ GLI has offices across North America and around the world. This geographical dispersion of GLI's testing resources allows for testing across multiple time zones, increasing speed to market.
- ✓ GLI can provide outsourced hosting of testing environments.
- ✓ GLI includes HP tools such as HP ALM, UFT and LoadRunner as part of our QA process for management of requirements, test case and defect management, test automation and performance testing.

GLI understands the lottery industry, lottery systems and has deep relationships with the respective Suppliers. We will leverage this experience to the benefit of the West Virginia Lottery during this engagement.

STATEMENT OF WORK

GLI understands that the West Virginia Lottery seeks to refresh their lottery gaming system and terminals and is requesting a proposal to provide Independent Verification & Validation (IV&V) as well as Software Quality Assurance & Testing Services at various phases of their Lottery Systems Replacement project.

Mandatory Requirements

GLI affirms that it will meet the requirements listed in sections 4.1 through 4.15.



QUALIFICATIONS

Lottery Experience

3.1 Vendor must have a minimum of 5 (five) years of experience in lottery operations, lottery software acceptance testing, and lottery gaming system functions for traditional lottery products.

Familiarity with Lottery Industry and IGT Systems.

GLI has over 27 years of lottery industry experience and 20 years of IGT systems experience.

Lottery Industry Experience

GII tests for more than 65 lottery jurisdictions globally, and for more than 475 jurisdictions in the global gaming industry. We understand the lottery industry and will leverage this experience to the benefit of the West Virginia Lottery during this engagement. GII is an associate member of the European Lotteries Association (ELA), the North American Association of State and Provincial Lotteries (NASPL), and of the World Lottery Association (WLA), which speaks to our commitment to the industry and lotteries worldwide.

At GLI, our mission is to provide world-class testing, certification, and professional services to the global gaming and lottery industries, and to accomplish our mission with the highest levels of independence and integrity.

GLI's seasoned staff has brought years of experience in in-depth testing of IGT Traditional Lottery and Video Lottery systems. Following are examples which demonstrate GLI's experience in performing software acceptance testing projects for lottery clients:

- System acceptance of a new lottery system implementation and subsequent system testing of game releases.
- User acceptance testing of a new state-wide KENO game.
- Independent Verification & Validation (IV&V) Testing Services to demonstrate compliance with Multi-State Lottery Association (MUSL) rules and documented specifications.
- Quality Assurance Testing of TAP Electronic Lottery games such as EZPlay, EZPlay
 QuicKeno, EZPlay TAP and EZPlay Social Games.
- Third Party Testing for IGT Indiana.
- User acceptance testing of a new lottery central monitoring and control system.

....We have the lottery systems testing EXPERIENCE



Lottery Accounts in Software Acceptance Testing

GLI's Software Quality Assurance & Testing team has been steadily growing since its inception. We currently serve lottery clients with Outsourced QA Testing Services throughout North America. These lotteries have been referenced in the proposal and we encourage West Virginia Lottery to contact our clients to discuss the quality and experience they are receiving. GLI's testing services includes test management, testing strategies, test planning, test case development, test execution, defect logging, defect management, and test reporting.

- Connecticut Lottery Corporation engaged GLI to provide user acceptance testing prior
 to the release of a new state wide KENO game. GLI was not notified of any major issues
 from the release of this project.
- Georgia Lottery Corporation engaged GLI to lead the Quality Assurance planning and testing efforts for the Coin Operated Amusement Machine Central Accounting System implementation which saw 25,000 COAMs installed in over 6,000 venues. GLI was not notified of any major issues from the release of this project.
- Montana Lottery engaged GLI to provide IV&V Testing Services to demonstrate
 compliance with MUSL rules, documented specifications and in accordance to accepted
 industry standards for the Lottery's Conversion project which includes replacement of
 their Data Center, retailer systems and retailer terminals. GLI was not notified of any
 major issues from the release of items tested by GLI.
- **Oregon State Lottery** worked with GLI to replace their video lottery backend system for 12,000 VLTs. After the project went into production there were 10 incidents reported during 2 weeks of system cutover, all relating to wide area network configuration and/or parameter configuration settings which were not part of acceptance testing.
- **Wyoming Lottery Corporation** engaged GLI to provide independent testing for system acceptance of a new lottery system that included Powerball and Mega Millions for 500 initial retailers. GLI was not notified of any major issues from the release of the initial lottery launch or from later game release projects tested by GLI.
- **IGT Indiana** engaged GLI to provide third party testing on their behalf at Hoosier Lottery. This includes new game launches, system enhancements and end-to-end testing of said changes with the lottery sub systems and business processes.





IGT Systems Experience

GLI has more than 20 years of working experience with IGT traditional lottery systems (including IGT, GTECH, and Spielo). Recently, GLI performed IGT lottery system (hardware, software, communication, and security) certification testing.

In addition to our certification testing, GLI has performed interoperability testing on all IGT systems for several lotteries.

GLI has also delivered security control based assessments for lotteries that have deployed the IGT Traditional Lottery system. GLI lottery audits have focused on the lottery draws and instant ticket management process integrated within the IGT system. Our assessments for the end-to-

end draws process included the system based controls deployed within the following procedures; close of sales, sales report, winning numbers draws through either ball draws or electronic draw machines (EDM); winning number entry; winner selection, prize distribution reports, Internal Control Systems (ICS) duplicate draw and balancing procedures, certification of draw results, and start of next day sales. Our teams are very familiar with all traditional lottery games deployed in lotteries such as Daily Draw

GLI's team does not have to be educated on the nuances of the lottery industry. The result is a significant savings of time and money, and a greater speed to market.

Games, Powerball, Mega Millions, Tap Game and Keno. This knowledge is directly transferrable at a risk level to our development of Acceptance testing with a view of end-to-end user functionality. Our teams have performed the Hoosier State Lottery Security Assessment since 2011 and are very familiar with IGT Indiana, its systems and operational process.

This work represents a portion of thousands of projects that must be processed by GLI testing experts on the various iterations of IGT systems. This provides continuous training for our test experts maintaining a broad understanding of the IGT systems. As a result, **GLI has developed a breadth and depth of knowledge of the IGT systems far superior to any other test lab in the world.**

Mobile Application Testing

GII has vast experience in the testing of various mobile devices and testing and certification of native applications. GII maintains an extensive mobile device library from phones to tablets on all of the major platforms (iOS, Android, Blackberry, Windows) and even maintains legacy devices and out of date operating systems for backwards compatibility testing needs. Mobile gaming applications are specifically tested on actual devices, not emulators, which provide a user-like environment, increasing the likelihood of finding testing issues.

GLI tested and approved the first mobile poker application for Nevada for both iOS and Android as well as tested the initial mobile launches in both Delaware and British Columbia. GLI has completed, and continues to complete, numerous mobile testing and certifications for various regulated iGaming markets worldwide.



RNG Experience

GLI has performed RNG services for nearly every U.S. lottery including West Virginia Lottery. With over 27 years of experience, GLI has provided consulting and statistical analysis services relating to the certification of automated RNGs to lottery and gaming regulatory jurisdictions throughout the world since its inception in 1989. In addition to the game analysis projects regularly conducted for other sectors of the gaming industry, **GLI's Math Department has completed 1,250 individual RNG analysis projects since 2010**. At a high level, these represent a balance of new RNG implementations, as well as evaluations of RNG updates and modifications.

GLI has a fully dedicated math team of **33 team members** with experience in random number generators, strategy/table games, and electronic games analysis. GLI's math analysts come from academic backgrounds in pure and applied mathematics, statistics, computer science, and engineering, all with Bachelor's or Master's degrees in their fields.

Network and Security Risk Assessment Experience

We offer extensive experience performing network and security risk assessments. The GLI team completes four to five of these similar security assessments on a monthly basis and has the experience and capacity to complete this assessment.

Our team members have a combined 40+ years of experience working with or serving clients in this field. This experience will enable GLI's team members to complete this engagement more efficiently while using less of your organization personnel's time resulting in less cost and time for your organization. You will not have to invest any of your time or money educating GLI team members. GLI attests that the qualifications of our proposed professionals will exceed the requirements and experience requisite to perform the services requested.

GLI's team of professionals hold the following industry recognized certifications:

- Certified Chief Information Security Officer (CCISO)
- EC Council Certified Ethical Hacker (CEH) V.6
- Payment Card Industry Qualified Security Assessor (PCI-QSA)
- Certified Information Systems Auditor (CISA)
- Certified Penetration Tester (CPT)
- ISO/IEC 27001 Lead Auditor
- Microsoft Certified Systems Engineer (MCSE)



REFERENCES

3.2. Vendor must have provided third-party acceptance testing and project management services for gaming System conversions similar to those described in this RFQ to a minimum of (three) Lotteries.

GLI is pleased to provide the following summary of clients detailing our previous lottery testing engagements and experiences providing these services to other United States lotteries:

Wyoming Lott	ery Corporation
Contact Information	Name: Jon Clontz Title: CEO Phone: 1-307-432-9302 Email: jclontz@wylotterycorp.com
Services Provided	GLI continues to be engaged by the Wyoming Lottery to provide quality assurance testing services to support the lottery's operations, product introductions, product modifications and other related testing.

Connecticut L	ottery Corporation
Contact Information	Name: Michael Hunter Title: Chief Operating Officer Phone: 1-860-713-2817 Email: michael.hunter@ctlottery.org
Services Provided	GLI was engaged by the Connecticut Lottery Corporation to document and execute test cases in a User Acceptance Test (UAT) project for the new KENO game.

Montana Lotte	ry			
	Name: Philip Charpentier			
Contact	Title: Director, Information Technology Services			
Information Phone: 1-406-444-5810				
	Email: PCharpentier@mt.gov			
Services Provided	GLI is currently providing IV&V (Independent Verification & Validation) Testing Services to demonstrate compliance with Multi-State Lottery Association (MUSL) rules, documented specifications and in accordance to accepted industry standards for the Lottery's Conversion project.			



Oregon State	Lottery
Contact Information	Name: Syed Hussain Title: Chief Information Officer Phone: 1-503-540-1347 Email: syed.hussain@state.or.us
Services Provided	GLI continues to be engaged by the Oregon State Lottery to provide outsourced quality assurance testing services for the Video Lottery business line.

Testing Certifications

3.3. Vendor must have one or more of the following certifications related to third-party acceptance testing: International Software Testing Qualifications (ISQTB), Certified Software Tester (CSTE) or Certified Software Quality Analyst (CSQSA).

As a testament to GLI's commitment to quality, GLI achieved the level of ISTQB Global Partner because of our commitment to ISTQB Certifications in the U.S., Netherlands, and Australia.



Dedicated Account and Project Manager

3.4. Vendor must be able to provide dedicated account and project management services for all acceptance testing activities.

Kelly Black will maintain close contact with the West Virginia Lottery throughout the entire engagement to ensure that your objectives for the testing are met. Kelly is an IT professional with 18 years of IT experience with over 16 years in Software Quality Assurance & Testing, 13+ years in lead and management roles. She is also a Certified Software Test Engineer (CSTE).

Account and Project Manager: Kelly Black

Telephone Number: 506-871-6849

Email Address: k.black@gaminglabs.com

3.5. Upon contract award, Vendor must submit a summary of testing staff with respective resumes/qualifications, as well as demonstrate the ability to modify staffing levels through different phases of the testing process.

Should GLI be awarded a contract, resumes of proposed testing staff and the ability to change staffing levels throughout the process phases will be provided.



CONTRACT MANAGER

11.1 Contract Manager: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract.

GLI will maintain close contact with the West Virginia Lottery throughout the entire engagement to ensure that your objectives for the UAT testing are met.

As the dedicated account and project manager, **James Luccarelli** will ensure the testing is performed according to specifications, in accordance with the West Virginia Lottery approved test strategy, test plans and test cases.

Contract Manager: James Luccarelli, Technical Group Manager

Telephone Number: 732-719-1351

Fax Number: 732-719-1411

Email Address: j.luccarelli@gaminglabs.com

STAFFING PLAN

The Vendor should list the total number of employees, staffing plan and key personnel dedicated to this project.

GLI is a global company with over 1,000 employees, many of whom are highly trained and specialized in testing, mathematics and engineering. As needed, we will leverage specialized skill sets to service the West Virginia Lottery.

We offer a highly skilled, certified team of experts with previous exposure to the various systems and sub systems of lottery networks. This insight and previous knowledge of systems and processes reduces setup and learning time thus reducing overall cost. We have sourced and hired what we consider to be the top testers in the gaming industry to provide quality services to our clients.

Key Personnel

Name	Role	Contact Details
James Luccarelli	Contract Manager	Phone: 732-719-1351
		Email: j.luccarelli@gaminglabs.com
Kelly Black	Dedicated Account/Project Manager	Phone: 506-871-6849
		Email: k.black@gaminglabs.com
Todd Handzo	Client Services	Phone: 732-719-1106
		Email: t.handzo@gaminglabs.com



EXAMPLES

See Attachment A for examples required throughout the duration of this project such as:

- Daily Test Status Report.
- Test Exit Report.
- Quality Assurance Test Plan.
- Sample Testing Timeline.

VALUE ADDED SERVICES

Worldwide Expert Knowledge Available to You

The West Virginia Lottery can take advantage of our prominent position on the world market by leveraging the breadth and depth of our relationships with the major vendors of lottery systems. This industry penetration allows for highly efficient collaboration and a tightly integrated SDLC with a common view into processes such as defect tracking. Collaboration and tight integration on a project allows GLI to have a deep familiarity with IGT's systems and an understanding of system issues. These relationships and system knowledge generate efficient defect remediation build cycles that increases speed to market.

Value-Added Services

• The added value that GLI will bring to the West Virginia Lottery through the delivery of these services is depicted in Exhibit 1:

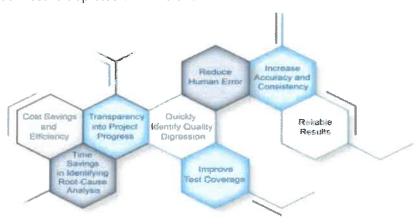


Exhibit 1: Value-Added Services

GLI has completed a number of successful projects for lottery customers utilizing our proven resources and methodologies for clients for several lotteries.



Our cumulative technological expertise and business knowledge, is leveraged to serve the business needs of the West Virginia Lottery. Our QA related services can include:

- ✓ Program and/or project management depending on project size and customer needs.
- ✓ Hosting and management of test environments in an effort to leverage GLI's systems experience.
- ✓ Requirements analysis, test case construction and execution.
- ✓ Management of test project activities on-site or performed remotely in relation to the test environment.
- ✓ Integration with our leadership of lottery client UAT test teams during test activities.
- Comprehensive reporting of all testing activities during and at the conclusion of a project.
- ✓ Program and/or project management of successful large scale lottery system modernization projects depending on project size and customer needs.
- ✓ Multi-Supplier Integrator (MSI) model to handle the complex management of stakeholders and vendors with the use of advanced Quality Assurance processes.
- ✓ Implementation of a proven and scalable QA testing methodology that can be customized for the West Virginia Lottery.
- ✓ Hosting and management of test environments in an effort to leverage GLI's systems experience.
- ✓ Requirements analysis, test case construction and execution.
- ✓ Management of test project activities on-site or performed remotely in relation to the test environment.
- ✓ GLI has offices across North America. This geographical dispersion of GLI testing resources allows for testing across multiple time zones, increasing speed to market.
- ✓ GLI includes HP tools such as HP ALM, UFT and LoadRunner as part of its QA process for management of requirements, test cases and defect management, test automation and load and performance testing.
- ✓ Integration with or leadership of lottery client UAT test teams during test activities.
- ✓ Comprehensive reporting of all testing activities during and at the conclusion of a project.





PRICING

Pricing has been submitted via wvOasis per the RFQ instructions.



Purchasing Divison 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

State of West Virginia **Request for Quotation** 34 - Service - Prof

Proc Folder: 420101 Doc Description: THIRD PARTY ACCEPTANCE TESTING

Proc Type: Central Master Agreement

Version **Date Issued** Solicitation Closes Solicitation No CRFQ 2018-02-13 2018-02-27 0705 LOT1800000010 1 13:30:00

BID RECEIVING LOCATION

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION 2019 WASHINGTON ST E

CHARLESTON

WV 25305

US

VENDOR

Vendor Name, Address and Telephone Number:

Gaming Laboratories International, LLC 600 Airport Road Lakewood, NJ 08701 732-942-3999

FOR INFORMATION CONTACT THE BUYER

Michelle L Childers (304) 558-2063

michelle.l.childers@wv.gov

Signature X

Bua AHron

FEIN # 26-1938391

DATE February 23, 2018

All offers subject to all terms and conditions contained in this solicitation

Page: 1

FORM ID: WV-PRC-CRFQ-001

ADDITIONAL INFORMAITON:

Request for Quotation

The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Lottery to establish a contract for a third-party Vendor to provide software acceptance testing services during and after the conversion of the on-line gaming system ("System") and services for traditional lottery operations. Third-party testing mitigates the risk of major incidents that would degrade the Lottery's reputation and have a negative financial impact.

INVOICE TO		SHIP TO	transcribe sin in the leading to the
ACCOUNTS PAYABLE		PURCHASING	
LOTTERY		LOTTERY	
PO BOX 2067		900 PENNSYLVANIA AVE	
CHARLESTON	WV25327-2067	CHARLESTON	WV 25302
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	GAMING SYSTEM TESTING	1000.00000	HOUR	\$155.00	\$155,000.00

Comm Code	Manufacturer	Specification	Model #	
30101507				

Extended Description:

HOURLY RATE TO PROVIDE TESTING SERVICES. ALL LODGING, MEALS, AND TRAVEL SHOULD BE INCLUDED IN THE HOURLY RATE BID.

QUANTITY OF HOURS IS ESTIMATED AND TO BE USED FOR BIDDING AND EVALUATION PURPOSES. NO FUTURE USE OF THIS CONTRACT IS GUARANTEED OR IMPLIED.



ATTACHMENT A - EXAMPLES



Daily Test Status Report

Project:	
Prepared by:	
Date:	
Current Environment:	
Test days lost to date:	Scheduled Start Date: Actual Start Date: Days Lost Since <start date="">:</start>
Testing Environment:	
Current Status:	

Current Status Legend

Green	No issue; everything is on schedule
Yellow	Issue exists; situation closely monitored
Red	Milestone is in jeopardy; issue requires immediate resolution

Summary Notes of Current Day Efforts:

Next Milestone Summary

Milestone	Scheduled Date	Revised Date	Current Status	Comments
			ATTACK \$54	

Confidential Page 1



Daily Test Execution Statistics

Daily - Test Case Execution Progress - Test Set

Date	Tests Planned*	Total Tests**	Tests Run	Tests Passed	% Passed
Jan 11		Add up values at bottom	35	34	94%
TOTAL	####				

^{**}Value in the **Total Tests** column represents sum of all project tests. Table values can change as test cases are added or removed from the project.

Test Case Execution - Test Set

Overall Test Execution Statistics - Test Status

Total	% Executed	Total	Total	Not	Total	Total
Tests**		Passed	Failed	Completed	Blocked	No Run
Add up values	97%	34	1	0	1	0

^{**}Value in the **Total Tests** column represents sum of all project tests. Table values can change as test cases are added or removed from the project.

Overall Test Execution Statistics – Test Completion

Total Tests**	% Completed (PASSED)	% To Be Completed
Add up values	94%	6%

^{**}Value in the **Total Tests** column represents sum of all project tests. Table values can change as test cases are added or removed from the project.

Defect Count - New for Specific Day - Severity

New Defects Reported Today - Severity

1 – Very High	2 - High	3 - Medium	4 - Low	Total
0	0	0	0	0

Confidential Page 2



Defects - Overall Disposition

Status→ Severity ↓	New	Open	In Test	Failed	Closed	Deferred	Total
1 - Very High							
2 - High							
3 - Medium							
4 - Low							
TOTAL							

Open Issues - Issues that will impact the test effort

#	Description	Impact	Mitigation Plan
1			
2			
3			

Resolved Issues- Moved from Open Issues after resolution

#	Description	Impact	Resolution
1			
2			
3			

Confidential Page 3



Page: 1 of 8

<Client Name>

Test Exit Report – <Test Phase Title> <Project Name>



Page: 2 of 8

Revision History

Document Version	Date	Description	Author
0.1			

Peer Review

Document Version	Date	Reviewers





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1. Purpose

The Test Exit Report is a summary of the test results found during the <TEST PHASE TITLE> test phase of the <PROJECT TITLE> project.

The purpose of this report is to:

- Provide a summary of the testing results for the Production Environment Validation test phase of the project.
- Document recommendations from this testing.
- Indicate the Production environment's readiness to move into the next test phase.
- Identify any known issues found but not corrected to date for the test effort.

2. Recommendation

The following exit criteria have been met:

<List all test exit criteria that have been met for the test phase. Add file attachments to support test results>

The following exit criteria have not been met:

<List all test exit criteria that have not been met for the test phase. Add file attachments to support test results>

<Describe GLI's recommendation for the next stage of the project, based on the documented test results>



Page: 5 of 8

3. Test Exit Report – Acceptance Gate

The following is the acceptance for the <TEST PHASE TITLE> test effort associated with the <PROJECT NAME> project and the information contained in this report. Signature indicates acceptance of the information and agreement to proceed with the recommendation listed in section 2.

Stakeholder Name	Acceptance	Date
<stakeholder 1=""></stakeholder>	<embed email=""/>	<date received=""></date>
<stakeholder 2=""></stakeholder>	<embed email=""/>	<embed email=""/>
<stakeholder 3=""></stakeholder>	<embed email=""/>	<embed email=""/>
<stakeholder 4=""></stakeholder>	<embed email=""/>	<embed email=""/>



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4. Document Overview

This report will contain the following information:

- Test analysis information including the test coverage and recommendations.
- Test execution analysis which includes the defects analysis.

5. Coverage Analysis

<Describe the scope, significant events in the test phase timeline and overall results of the test phase>

The following items from the <TEST PLAN TITLE> test plan were out of scope for testing:

Items Not to be Tested	Risk Associated with not Testing	Mitigation Plan to Reduce Risk
<as all="" associated="" be="" deemed="" in="" list="" listed="" of="" out="" plan,="" project="" requirements="" scope="" test="" the="" to=""></as>		

5.1. Defects by Area

The full breakdown of all defects created for the TITLE test phase is as follows: Defects are calculated and categorized by Defect Type and Defect Category

For a total of <TOTAL # OF DEFECTS> defects which can be seen in the table in section 6.2 Defect Analysis.

6. Test Execution Analysis

The following section will detail the test execution results including defect analysis.

6.1. Overall Execution Status

Total	% Executed	Total	Total	Not	Total	Total
Tests**		Passed	Failed	Completed	Blocked	No Run

^{**}Value in the **Total Tests** column represents sum of all project tests. Table values can change as test cases are added or removed from the project.



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Overall Test Execution Statistics – Test Completion

Total Tests**	% Completed (PASSED)	% To Be Completed

^{**}Value in the **Total Tests** column represents sum of all project tests. Table values can change as test cases are added or removed from the project.

<Insert spreadsheet from ALM test set listing all FAILED, NOT COMPLETED, BLOCKED, NO RUN test cases with associated OPEN defects and comments>

6.2. Defect Analysis – All project Defects

This table represents the disposition of all defects as listed in the Master Defect List, attached in DOC SECTION> at the end of TEST PHASE TITLE>.

STATUS → SEVERITY ↓	Open	Fixed	Closed	Deferred	Reopened	TOTAL
1 - Very High						
2 - High						
3 - Medium		===				
4 - Low						
TOTAL						

6.2.1. Defect Analysis - Retest Status of Delivered Defects

This table represents the retest status of the <# OF DELIVERED DEFECTS> defects fixed in <TEST PHASE TITLE>.

STATUS →	Open	Fixed	Closed	Deferred	Reopened	TOTAL
SEVERITY ↓						
1 - Very High						
2 - High						
3 - Medium						Man Pill II
4 - Low						
TOTAL						



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6.2.2. Defect Analysis - Defects Created for Test Phase

The table represents the status of the <# OF CREATED DEFECTS> defects found in <TEST PHASE TITLE>.

STATUS →	Open	Fixed	Closed	Deferred	Reopened	TOTAL
SEVERITY ↓						
1 - Very High						
2 - High						
3 - Medium						
4 - Low						
TOTAL						

6.2.3. Active Defects (Not Closed)

Attached below is the project <FULL LIST OF DEFECTS> as of <DATE>. The defects have been filtered to only show the defects that have not been CLOSED but represent all defects logged for the project. All defects have been triaged with the <CLIENT>, <VENDOR> and GLI as of <DATE>.

<List all defects that are not CLOSED. Insert a filtered spreadsheet of the final list of defects for the project.>



Revision Date: 3-Feb-2016

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Quality Assurance Test Plan Project



Revision Date: 3-Feb-2016

Page: 2 of 14

Revision History

Document Version	Date	Description	Author

Peer Review

Document Version	Date	Reviewers
	_	



Revision Date: 3-Feb-2016

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1. Introduction

The objective of the Test Plan is to communicate the test approach and the management of the test activities to GLI project team members and customer. It is intended as a baseline to identify what is deemed in and out of scope for testing, testing risks and assumptions.

1.1 Testing Objectives

The test objectives for the title project include the following: title project include the following: title<a href="title<a href="title<a



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1.2 Roles and Responsibilities

This section identifies the roles and responsibilities of the team involved during Quality Assurance Testing.

R = Responsible

A = Accountable

C = Consulted

I = Informed

Entity→ Activities ↓	<other></other>	GLI
Develop Test Schedule		
Develop Quality Assurance Test Plan		
Develop Test Cases		
Establish Test Environment		
Setup Test Tools		
Deliver Baseline Code Drop to Test Environment		
Execute Test Cases		
Defect Triage		
Defect Remediation Builds		
Provide Test Exit Report	JUE TO STATE OF THE STATE OF TH	



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2. Testing Design

2.1 In Scope

The following items are in scope for the test effort.

	New F	Functionality Testing	
Req#	Item to be Tested	Depth of Testing	Test Priority (H, M, L)
		<heading 1=""></heading>	
		<heading 2=""></heading>	

2.2 Out of Scope

The following table identifies the parts of the system that will not be tested as part of the project during the project. If functionality is not going to be tested, any related risks and the mitigation to those risks are documented for the excluded parts of the system.

Items Not to be Tested	Risk Associated with not Testing	Mitigation Plan to Reduce Risk



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2.3 Assumptions

This section lists assumptions that are made for the test effort for this project. <Bullet List>

2.4 Constraints

The following constraints impact the test effort.

Constraint	Impact to Testing

2.5 Risks to Project Quality

The following risks have been identified for successful execution of the test phase and the appropriate action documented to mitigate their impact on the project. The impact (or severity) of the risk is based on how the project would be affected if the risk was triggered. The trigger is what milestone or event would cause the risk to become an issue to be dealt with.

Risk Trigger		Impact to Testing	Mitigation



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2.6 User Acceptance Test Phase Entry Conditions

The following Entry Conditions will be used to determine when the test phase may begin: <Bullet List>

2.7 User Acceptance Test Phase Exit Conditions

The following Exit Conditions will be used to determine when the test phase can end. <Bullet List>

3. Test Documentation & Test Tools

3.2 Test Documentation

The following test documentation will be produced for the test phase:

<Examples>

- Test Plan
- Test Schedule
- Test Cases
- Test Metrics
- Test Exit Report
- Test Retrospective

3.2 Test Tools

The following test tools will be utilized during the test phase:

Tool Type	Tool Name	Purpose

3.3 Test Management

This section specifies the test management activities for the test phase activities. <Examples>

Test Meetings

Defect triage meetings will be held between Customer and GLI to review and prioritize open defects as required.

Test Status Reporting:

Daily Test Status Reports will be sent by GLI via email to Customer to communicate test progress, issues, risks, milestones and open defects.



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Requirements Management:

 Software User Manual was provided by <Customer> to GLI to use for Test Planning and Test Case creation. The content of these technical specifications were broken down into requirements that were added to ALM for test case traceability.

Test Case Management:

 Test Cases will be created in ALM for the project. Test cases will be mapped to the project requirements in ALM to ensure test coverage.

Defect Management:

Please refer to Appendix C for the Defect Management Process to be used by Customer and GLI.

Our Start



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4. Appendix A - High Level Test Schedule

This appendix represents the diagram or table related to the planned test activities. The Test Schedule is meant to represent the day to day high level testing activities.

<Spreadsheet>



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5. Appendix B - High Level Defect Build Schedule

This appendix represents the table related to the defect build schedule that has been identified in the testing timeline. Note: The dates shown are proposed only and need to be negotiated with the vendors and approved by the client.

Name	Start	Finish
Baseline Build		
Defect Remediation Build 1		



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6. Appendix C - Defect Management Process

<Description>



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7. Appendix D – Test Case Planning and Execution

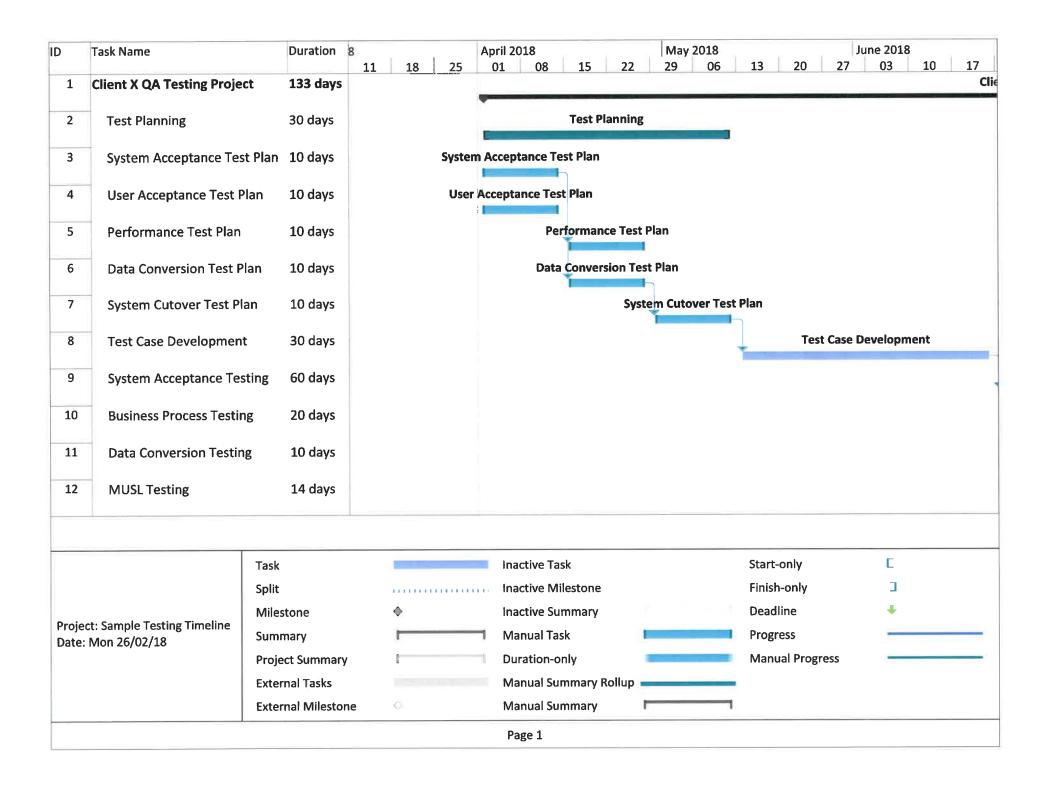
<Description>



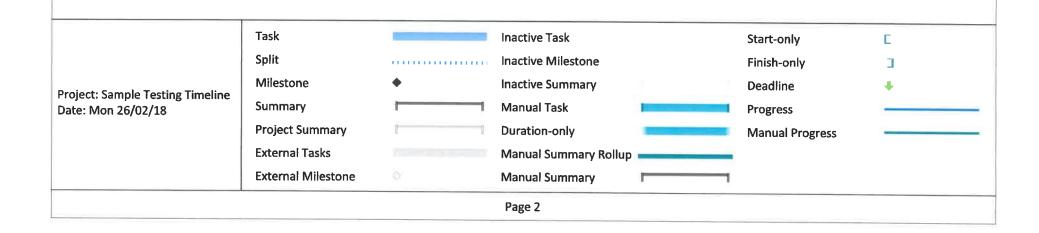
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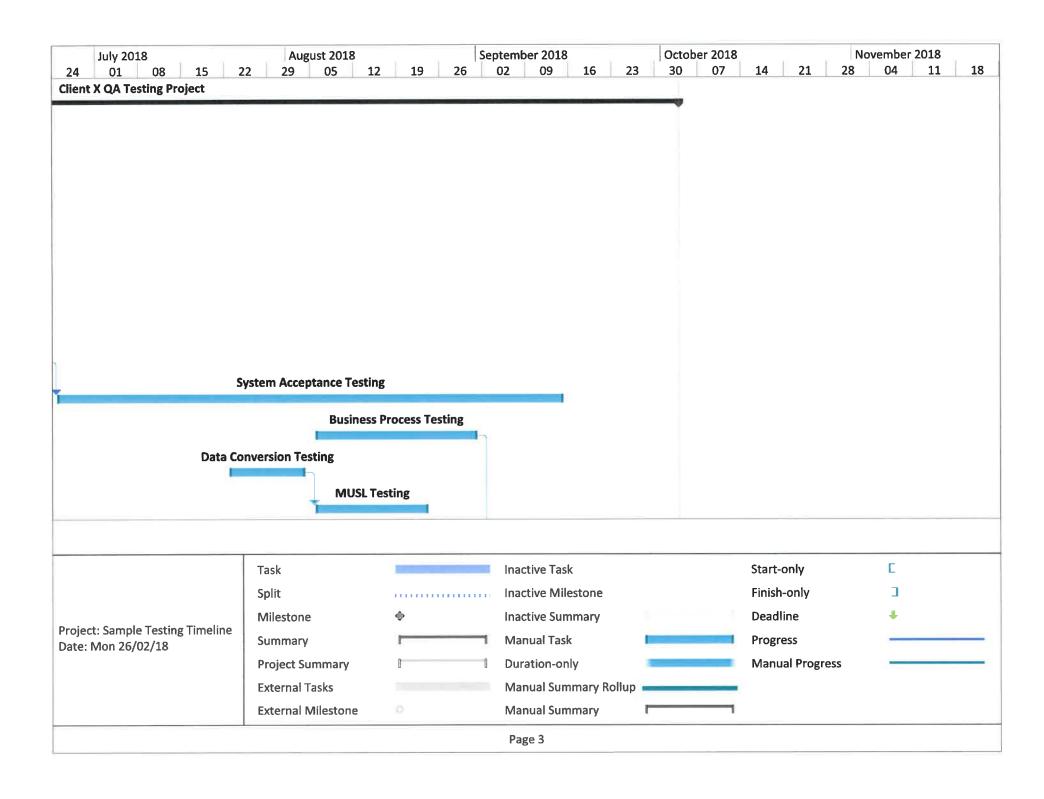
9. Appendix F – Approval Gate
The following are the approvals for the Test Plan and supporting test documents.

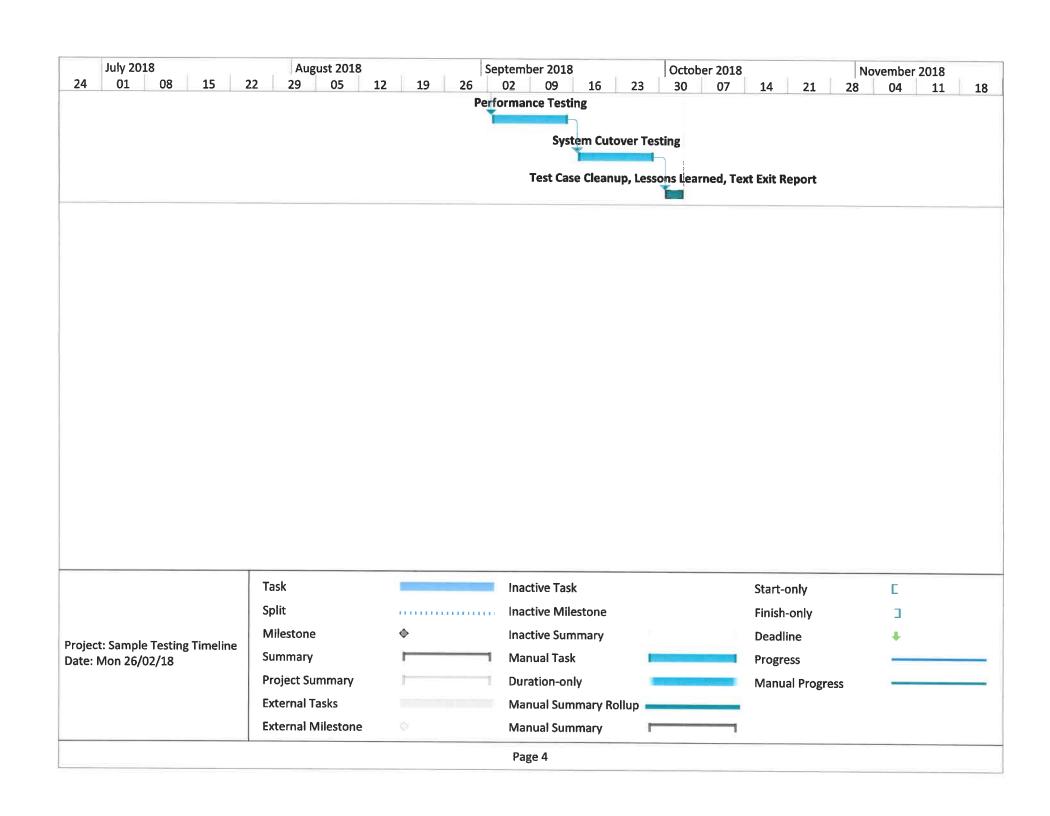
Stakeholder Name	Signature	Date
		_



D	Task Name	Duration	8			April 20	018			May	2018			. 1	June 201	8	
			11	18	25	01	08	15	22	29	06	13	20	27	03	10	17
13	Performance Testing	10 days														10	
14	System Cutover Testing	10 days															
15	Test Case Cleanup, Lessons Learned, Text Exit Report	3 days															









ATTACHMENT B - DESIGNATED CONTACT & CERTIFICATION AND SIGNATURE

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the
Contract Administrator and the initial point of contact for matters relating to this Contract.
(Name, Title) James Luccarelli, Technical Group Manager (Printed Name and Title) 600 Airport Road, Lakewood, NJ 08701 (Address) 732-719-1351 / · 732-719-1411 fax (Phone Number) / (Fax Number) procurement@gaminglabs.com (email address)
(ATTENT AMOUT ADD)
CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.
Gaming Laboratories International, LLC
Drua Mach CFO
(Authorized Signature) (Representative Name, Title)
Bruce A. Hecht, CFO
(Printed Name and Title of Authorized Representative)
February 23, 2018
(Date)
\ /
732-942-3999 / 732-719-1411 fax

(Phone Number) (Fax Number)





ATTACHMENT C - ADDENDUM ACKNOWLEDGEMENT FORM

ADDENDUM ACKNOWLEDGEMENT FORM SOLICITATION NO.: CRFQ LOT1800000010

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

CHE	CK LITE U	ox hext to each addendur	n received)	
	[x]	Addendum No. 1	[]	Addendum No. 6
	[x]	Addendum No. 2	[]	Addendum No. 7
	[]	Addendum No. 3	[]	Addendum No. 8
	[]	Addendum No. 4	[]	Addendum No. 9
	[]	Addendum No. 5	[]	Addendum No. 10

Addendum Numbers Received:

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Company
Authorized Signature

February 23, 2018

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

Revised 6/8/2012



ATTACHMENT D - PURCHASING AFFIDAVIT

STATE OF WEST VIRGINIA Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Gaming Laboratories International, LLC	1	
Authorized Signature: Dunce A 7	echt	Date: February 23, 2018
State of New Jersey		
County of Ocean to-wit:		
Taken, subscribed, and sworn to before me this $\frac{23}{}$ da	ay of February	, 2018
My Commission expires	, 20	allost
AFFIX SEAL HERE	NOTARY PUBLIC	ANGELA B STEWART NOTARY PUBLIC
		NEW JERSEY MY COMMISSION OF RESTRICT AND A STATE OF THE S



ATTACHMENT E - RESIDENT VENDOR PREFERENCE

WV-10 Approved / Revised 12/16/15

State of West Virginia

VENDOR PREFERENCE CERTIFICATE

Certification and application is hereby made for Preference in accordance with West Virginia Code, §5A-3-37. (Does not apply to construction contracts). West Virginia Code, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the **West Virginia Code**. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Vendor Preference, if applicable.

<u> </u>	Application is made for 2.5% vendor preference for the reason checked: Bidders an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preced-
	ing the date of this certification; or,
	Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification;
	Bidder is a resident vendor partnership, association, or corporation with at least eighty percent of ownership interest of bidder held by another entity that meets the applicable four year residency requirement; or,
	Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
2	Application is made for 2.5% vendor preference for the reason checked: Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
3.	Application is made for 2.5% vendor preference for the reason checked: Bidder is a nonresident vendor that employs a minimum of one hundred state residents, or a nonresident vendor which has an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia and employs a minimum of one hundred state residents, and for purposes of producing or distributing the commodities or completing the project which is the subject of the bidder bid and continuously over the entire term of the project, on average at least seventy-five percent of the bidder's employees are residents of West Virginia who have resided in the late of the double for the two immediately preceding years and the vendor's bid; or,
4 .	Application is made for 5% vendor preference for the reason checked: Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
5.	Application is made for 3.5% vendor presence who is a veteran for the reason checked: Bidder is an individual resident vendor who is a versan of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
6.	Application is made for 3.5% vendor preference who is a veteran for the reason checked: Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.
7.	Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with West Virginia Code §5A-3-59 and West Virginia Code of State Rules. Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.
Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) rescind the contract or purchase order; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.	
By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.	
Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.	
Bidder: Gaming Laboratories International, LLC Signed:	
Date:	Title:
*Check ar	ny combination of preference consideration(s) indicated above which you are entitled to receive



WORLD HEADQUARTERS

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www.GarningLabs.com