

## **A. BACKGROUND**

### **A.1 PROJECT OVERVIEW/OBJECTIVE**

The GSIS is set to implement mobile applications, starting with the Motor Vehicle Insurance Mobile app. To secure app implementations, the GSIS needs to implement security on the mobile app to protect it against bots and automated attacks, provide app hardening features, including anti-tampering, anti-debugging and anti-reversing protections, along with binary code obfuscation, encrypted strings and preferences, and other features to ensure malware does not evade detection. The app security shall also provide mobile behavioral analysis/fingerprinting to ensure mobile transactions originate from a human, the Anti-Bot Mobile SDK identifies human behavior through device fingerprinting technology.

The Anti-Bot Mobile SDK, in conjunction with F5 WAF solutions, provides comprehensive protection from mobile bots and automated attacks through application whitelisting, behavioral analysis, secure cookie validation, and advanced app hardening.

### **A.2 PROJECT SCOPE**

The winning bidder must supply and deliver the following at GSIS Home Office:

1. Installation, Configuration, and Testing of the following:
  - a. F5 Big IP Advanced WAF License
  - b. Anti-bot Mobile SDK
2. The proposed solution must work either with the existing GSIS F5 Big IP 5250v or within the ISO virtualization environment.
3. The proposed solution shall include license subscription, valid for 1 year from the project acceptance.

### **A.3 PROJECT DURATION**

The winning bidder shall complete the project within sixty (60) calendar days from the effectivity date indicated in the Notice to Proceed (NTP).

Item No	Description	Quantity	Total	Delivered/Completed
1	Delivery of Software, Licenses and/or Subscriptions required for the project including, Warranty & Maintenance Certificate	1	1	20 CDs from receipt of Notice to Proceed (NTP)
2	Delivery of project plan and kick-off for the project	1	1	15 CDs from NTP
3	Testing and Implementation of the solution	1	1	20 CDs from item 1
4	Post implementation report	1	1	10 CDs from item 3
5	Knowledge Transfer (minimum of operational and product administration)	1	1	10 CD's from item 3
6	Final acceptance and completion of the project	1	1	10 CDs from item 5

## B. PROJECT ESTIMATES

### B.1 APPROVED BUDGET COST

The *Government Service Insurance System (GSIS)*, intends to apply the sum of *Nine Hundred Ninety Seven Thousand (Php 997,000.00)* being the approved budget for 1 year license subscription for the Advanced WAF and Anti-Bot SDK Tool. Bids received in excess of the ABC shall be automatically rejected at opening of the financial proposals.

### B.2 SOURCE OF FUNDS

The ABC authorized for the procurement of **Advanced WAF and AntiBot Mobile SDK License Subscription for Mobile Application Security** Project shall be sourced from the *AFME Computer Maintenance Budget of ISO for CY 2020*.

## C. GENERAL SCOPE OF WORK/BID REQUIREMENT

The GSIS through ISO must select a bidder for the procurement of Advanced WAF and Anti-Bot SDK license and subscription for 1 year starting January 2020 through small value procurement.

### C.1 MINIMUM TECHNICAL REQUIREMENTS

The proposed procurement of GSIS Advanced WAF (Web Application Firewall) and Anti-Bot SDK (Software Development Kit) will be used to identify and block layer 7 attacks. From application-layer encryption to protection against credential and data theft to L7 DDoS (Distributed Denial of Service) detection that uses machine learning and behavioral analytics, Advanced WAF features shall meet the minimum technical specifications listed below:

- Protection from web exploits/ application vulnerabilities and **Common** Vulnerabilities and Exposures (CVEs)
- Bot protection
- Protection from credential attacks
- Layer 7 or L7 DDoS mitigation based on machine learning and behavioral analytics
- Application Program Interface (API) Security

Key components of the Anti-Bot Mobile SDK shall include:

- Easy to deploy SDK with Appdome's no-code Fusion platform for mobile integration
- Support for off-the-shelf as well as custom applications
- Detection of bots and automated attacks that target mobile applications
- Support for behavioral analysis to fingerprint mobile devices
- Prevention of client device compromise through advanced app hardening with the Anti-Bot Mobile SDK, applications can quickly be fused with security services, signed, and uploaded to the company or vendor App Store as a trusted application.

### C.2 MAINTENANCE AND TECHNICAL SUPPORT

License subscription must cover the following:

1. Provide full software warranty and on-site technical support during the duration of subscription period.

2. Provide software maintenance during the duration of subscription period including software subscription inclusive of free version upgrades and updates.
3. Unlimited corrective maintenance/repair activity (if applicable).
4. Twenty-four (24) hours by seven (7) days support during the subscription period.
5. One (1) hour response time for phone support
6. Three (3) to four (4) hours response time for onsite engineer
7. Pro-active advisories on patch/firmware upgrade (e.g. bug fixes, security updates and capability improvements) including but not limited to installation and configuration.

### **C. 3 VENDOR QUALIFICATION**

1. The service provider must be an authorized distributor & reseller of Advanced WAF and AntiBot Mobile SDK License Subscription for Mobile Application Security.

During implementation, the service provider must ensure that it remains an authorized distributor and reseller of Advanced WAF and AntiBot Mobile SDK License Subscription for Mobile Application Security. If the service provider is unable to maintain its distributor, reseller or partner agreement with the manufacturer/principal or distributor, whichever is applicable, this may serve as a ground/reason for the termination of its contract with GSIS.

2. The Service Provider must have the locally available certified, qualified and experienced personnel to provide technical support during the subscription period.

## **D. PROJECT MANAGEMENT METHODOLOGY**

The project shall be headed by the Information Security Office (ISO). All technical designs, specifications, or recommendations must be subject for review and approval by the ISO. Should there be any disagreement; the ISO shall have the final decision on the matter.

## E. PAYMENT SCHEDULE/MILESTONES

1. Payment shall be made upon completion and issuance of certificate of acceptance after delivery of each milestone:

Milestones	Payment Schedule	Payment Period Covered	Submission of Billing Statement
1	Supply, Delivery and Installation of Software Subscription for one (1) year	One-Time Payment  Upon ISO's issuance of Certificate of Completion & Final Acceptance	Upon ISO's issuance of Certificate of Completion and Final Acceptance

2. Payments shall be subject to applicable taxes.

## 3. Schedule of requirements:

Item No	Description	Quantity	Total	Delivered/Completed
1	Delivery of Software, Licenses and/or Subscriptions required for the project including, Warranty & Subscription Certificate	1	1	20 CDs from receipt of Notice to Proceed (NTP)
2	Delivery of project plan and kick-off for the project	1	1	15 CDs from NTP
3	Testing and Implementation of the solution	1	1	20 CDs from item 1
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## 4. The winning bidder must submit the following documents prior to issuance of GSIS of the Certificate of Completion and Final Acceptance and processing of payment:

- Sales Invoice or Billing Statement
- Vendor's Certificate of Completion;
- License Subscription Certificate
- Other documents required in this TOR

## F. OTHER CONSIDERATIONS

1. The winning bidder must warrant the merchantability of the product.
2. The winning bidder must complete all scheduled deliverables covering the subscription period.
3. The bidder should warrant that the software subscription and technical support services are suitable to the requirements stated herein with respect to the quality, capacity and purpose of the project.
4. The bidder/service provider is expected to conform to GSIS' office rules and regulations.

5. The bidder/service provider shall ensure the absolute confidentiality of all information, documents or records acquired in the course of or as an incident to this Project. It shall not use or disclose to any person, firm, or corporation any information hereto acquired for its benefits or to the detriment of GSIS.

## G. PENALY FOR DELAY

When the winning bidder fails to satisfactorily deliver goods under the contract within the specified delivery schedule, inclusive of duly granted time extensions, if any, the supplier shall be liable for damages for the delay and shall pay GSIS liquidated damages, not by way of penalty, an amount equal to one-tenth (1/10) of one percent (1%) of the cost of the delayed goods scheduled for delivery for every day of delay until such goods are finally delivered and accepted by GSIS.

GSIS need not prove that it has incurred actual damages to be entitled to liquidate damages. Such amount shall be deducted from any money due or which may become due to the supplier, or collected from any securities or warranties posted by the supplier, whichever is convenient to the procuring entity concerned. In no case shall the total sum of liquidated damages exceed ten percent (10%) of the total contract price, in which event the procuring entity concerned may rescind the contract and impose appropriate sanctions over and above the liquidated damages to be paid.

## H. DOCUMENTARY REQUIREMENTS

The supplier must comply with the DBM GPPB Non-Policy Matter No. 045-2017, if applicable.

“DBM GPPB Non-Policy Matter No. 045-2017, “The GPPB recently approved amendments (effective 5 December 2017) to the documentary requirements for Negotiated Procurement under the Small Value Procurement modality per Appendix A, Annex “H” of the 2016 Revised IRR. Thus, Income or Business Tax Returns shall be required for procurement projects with Approved Budget for the Contract (ABC) **above ₱ 500,000.00** and the Omnibus Sworn Statement shall be required only for procurement projects with **ABC above ₱50,000.00.**”

The above mentioned documentary requirement shall be submitted by the winning vendor before the issuance of the Notice of Award (NOA) / Purchased Order (PO) / Contract.

## I. Data Privacy

The winning bidder/supplier must comply with all the provisions of Republic Act No. 10173, known as the "Data Privacy Act of 2012" and its Implementing Rules and Regulations.

### IMPORTANT REMINDER

The Government Service Insurance System (GSIS) warns the public bidders of unscrupulous individuals and groups posing as officers/employees of the GSIS soliciting money for alleged aid for whatever purpose. Do not give anything to these unscrupulous individuals and groups.

GSIS is fully compliant with the *NO SOLICITATION AND GIFT POLICY*. In this regard, GSIS officials and employees are prohibited from directly or indirectly soliciting gifts, favors or benefits from stakeholders and directly or indirectly soliciting, accepting or receiving any gift, favor or benefits from any party which may influence the performance of their official functions or which may be perceived as influencing their past, present and future official functions.

We thus enjoin the cooperation of the public vendors/suppliers to report these individuals/groups to GSIS through the Office of the Vice-President, General Services Office at (02) 976-4900 local 4971 and Materials Management Department (MMD) at (02) 976-4900 local 3608.