TECHNICAL SPECIFICATIONS
SERVICE PROVIDER FOR THE TOURISM PROMOTIONS BOARD'S AI-POWERED WEB-BASED
VULNERABILITY ASSESSMENT AND PENETRATION TESTING (VAPT) SUBSCRIPTION SOLUTION

I.   BACKGROUND:

To strengthen its cybersecurity posture and safeguard sensitive data, the Philippine Tourism Promotions Board (TPB) plans to enhance its vulnerability management program by acquiring an AI-driven penetration testing and threat exposure management platform. This initiative supports the organization's compliance with national cybersecurity frameworks, including the Data Privacy Act of 2012, DICT Memorandum Circular Nos. 2022-001 and 2021-005, and the National Cybersecurity Plan 2022.

The Department of Information and Communications Technology (DICT) currently provides free Vulnerability Assessment and Penetration Testing (VAPT) services, limited to one website or application per agency. In the case of TPB, this service covered only the TPB Corporate Website. However, TPB now operates seven (7) websites and three (3) web applications—namely, the Travel App, Procurement and Asset Management System (PAMS), Human Resource Information System (HRIS), and a Facebook Chatbot—which remain untested and exposed to risks.

In 2024, TPB promptly addressed the findings of DICT's VAPT report within 30 days. However, due to DICT's limited capacity, the agency requires a scalable and agency-controlled solution that will facilitate continuous testing, local capacity building, and quicker remediation.

As part of TPB's commitment to inclusive governance and gender-responsive digital transformation, this project aligns with the principles of Gender and Development (GAD). The platform to be procured will provide hands-on training for MISD personnel, ensuring that both women and underrepresented staff have access to opportunities for developing cybersecurity capacity. This addresses the risk of unintentionally excluding women from technical operations, a common issue in male-dominated ICT environments. By incorporating a GAD perspective early in the project, TPB ensures the initiative contributes to a gender-balanced digital workforce and supports the protection of gender-sensitive data across its web systems.

II.   OBJECTIVES

The procurement aims to achieve the following objectives:

I.1.   Proactively identify and address vulnerabilities in TPB's critical web applications.
I.2.   Improve adherence to government cybersecurity policies, data protection laws, and DICT-issued cybersecurity advisories.
I.3.   Support internal IT operations by implementing continuous and automated security testing.
I.4.   Enhance digital trust by strengthening the resilience of TPB's public-facing platforms.
I.5.   Enhance internal capabilities by giving MISD personnel hands-on access to the platform instead of outsourcing vulnerability testing to a third-party consultants.
I.6.   Promote gender inclusivity in cybersecurity training and system operations by ensuring that all male and female MISD personnel have equal opportunities to learn, operate, and manage the AI-based platform.
I.7.   Ensure that gender-sensitive data managed by TPB's web applications is adequately protected from vulnerabilities and unauthorized access.

III.   SCOPE OF WORK

III.1.   Access to an AI-powered penetration testing platform for 7 web applications
III.2.   Subscription valid for 12 months upon activation
III.3.   Unlimited scan frequency, with real-time exploit validation
III.4.   Delivery of compliance-ready reports and security recommendations
III.5.   Secure remote deployment, user training, and onboarding session for TPB MISD personnel
III.6.   Continuous support and product updates during the subscription term
III.7.   Incorporate gender balance in the training and knowledge transfer process, ensuring that at least one (1) female or GAD focal point is included in the technical capacity-building activities.

IV.   DELIVERABLES

IV.1.   Valid and active subscription license
IV.2.   Platform setup, configuration, and initial scan
IV.3.   Orientation/training session for MISD personnel
IV.4.   System documentation and user manual
IV.5.   Final acceptance report signed by TPB
IV.6.   Warranty and service commitment for the subscription duration
IV.7.   Training completion report indicating gender participation and inclusion of at least one (1) GAD focal point or female staff member in technical onboarding activities

V.   REQUIRED FEATURES AND FUNCTIONALITIES

V.1.   AI-Powered Automated Penetration Testing
V.2.   Exploit Simulation with safe payload delivery
V.3.   Exploit Validation to reduce false positives
V.4.   Coverage of OWASP (Open Worldwide Application Security Project) Top 10 vulnerabilities and customizable security profiles, including but not limited to:
    V.4.1.   Injection flaws (e.g., SQL Injection)
    V.4.2.   Broken Authentication
    V.4.3.   Cross-Site Scripting (XSS)
    V.4.4.   Security Misconfiguration
    V.4.5.   Broken Access Control
    V.4.6.   Insecure Deserialization
    V.4.7.   Insufficient Logging & Monitoring
V.5.   Real-time risk scoring and prioritization
V.6.   Audit-ready reporting aligned with DICT Memorandum Circulars, NPC requirements, and ISO/IEC 27001
V.7.   Web-based dashboard for monitoring and historical data tracking
V.8.   Role-based access control, remote configuration, and scan scheduling
V.9.   Training for at least two (2) TPB MISD technical staff
V.10.   Support for identifying vulnerabilities that could expose gender-sensitive or personal data, including risks related to online harassment, profiling, or abuse
V.11.   Designed to be operable and accessible by all trained MISD staff, promoting inclusivity in platform use and administration

VI. PROJECT IMPLEMENTATION SCHEDULE

Subscription Period is 12 months upon activation. Set up and deployment must be completed within 30 calendar days of receiving the Notice to Proceed (NTP).

VII. BIDDER'S ELIGIBILITY REQUIREMENTS AND ADDITIONAL TECHNICAL REQUIREMENTS

VII.1. Must be a Filipino-owned, operated, and legally registered IT Company under Philippine laws, and must have been in operation for the last three (3) years

VII.2. List of all Ongoing Government & Private Contracts within three (3) years, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid.

VII.3. Single Largest Completed Contract (SLCC) similar to the Contract to be bid within three (3) years; the contract should be at least 50% of the ABC.

VII.4. Have a minimum of three (3) years of experience delivering cybersecurity solutions and VAPT tools.

VII.5. Provide documentation demonstrating the platform's AI-based exploit simulation capabilities, **to be included in the Technical Bid envelope.**

VII.6. Provide a certificate of project completion of successful deployment or engagement with government or enterprise-level clients, **to be included in the Technical Bid envelope.**

VII.7. Provide DICT VAPT certificate of accreditation, **to be included in the Technical Bid envelope.**

I. APPROVED BUDGET FOR THE CONTRACT (ABC)

The Approved Budget for the Contract (ABC) is **THREE MILLION THREE HUNDRED THOUSAND PESOS ONLY (PHP3,300,000.00)**, inclusive of all applicable fees and taxes.

II. TERMS OF PAYMENT

Payment will be on a send-bill arrangement to be settled within thirty (30) calendar days upon receipt of a billing statement and complete supporting documents, subject to usual accounting rules and regulations.

Payments will be made through a Land Bank of the Philippines (LBP) deposit. In case the supplier does not have an LBP account, bank charges will be shouldered by the supplier.

Milestone	Payment (% of the contract amount)	Particulars
1	80%	Delivery of software licenses **Documentation**: • Certificate of completion and acceptance signed by the MIS Department Head • Warranty Certificate covering the support services for the duration of the subscription
2	20%	• Certificate of completion and acceptance signed by the MIS Department Head • Completion of training session supported by the following: - Attendance Sheet

		- Training Certificates
		- eManual
		- Training Presentation

III. CONTRACT DURATION

The Contract shall be completed within twelve (12) months from the date of the execution and shall commence from the receipt of Notice to Proceed.

IV. PROJECT OFFICER CONTACT INFORMATION

	END-USER	PROJECT OFFICER
Name	Emmanuel A. Zarate	Ian Carlo Santos
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