GlobalPlatform Request for Proposal (RFP)

Security Evaluation Secretariat Services

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Table of Contents

1. Summary and Background ........................................................................................................3
   1.1 Normative References .............................................................................................................3

2. Project Purpose and Description ..........................................................................................4
   2.1 Main activities ..........................................................................................................................5
      2.1.1 Scheme definition and maintenance ..............................................................................5
      2.1.2 Laboratories accreditation ...............................................................................................5
      2.1.3 TEE security evaluation management ............................................................................6
      2.1.4 Certificate issuance, registration and management .........................................................6
   2.2 Expected Skills ....................................................................................................................7

3. Proposal Guidelines and Criteria .........................................................................................8

4. Request for Proposal and Selection Timeline ......................................................................9

5. Project Timeline and Budget .............................................................................................10

6. References ..........................................................................................................................10

7. Disclaimer ............................................................................................................................11
1. Summary and Background

GlobalPlatform (www.globalplatform.org), established in 1999, is a cross industry, not-for-profit association which identifies, develops and publishes specifications which facilitate the secure and interoperable deployment and management of multiple embedded applications on secure chip technology. Its proven technical specifications are regarded as the international industry standard for building a trusted end-to-end solution which serves multiple actors and supports several business models.

Over the past 16 years, the adoption rate of GlobalPlatform technology has accelerated. Our technology, originally mostly leveraged for banking/financial and identification purposes, today is increasingly found embedded into consumer oriented devices (such as mobile phones and tablets) and may, in the future, be leveraged in such diverse industries as automotive and consumer appliances that act as ‘smart objects’ to an increasingly connected world known as the ‘Internet-of-Things.

Currently, GlobalPlatform is standardizing the Trusted Execution Environment (TEE) – a secure area that resides in the main processor of a connected device which ensures that sensitive data is stored, processed and protected in a trusted environment – and supports the needs of various smart device stakeholders, such as smartphone and tablet application developers and device manufacturers. The advancement of this technology is crucial for mobile wallets, NFC payment implementations, premium content protection and “bring your own device” (BYOD) initiatives.

In order to accelerate the deployment of a certified TEE, GlobalPlatform has decided to launch a TEE certification scheme that will provide business-friendly certification management for multiple markets.

The purpose of this Request for Proposal (RFP) is to solicit proposals for a Security Evaluation Secretariat, based on the criteria listed herein, to perform some or all the services required to launch and manage this certification scheme. A proposal in response to this RFP should include the applicant’s process, timeline, total cost and references. Applicants are also requested to provide information about current knowledge and experience in performing security evaluations and current knowledge of TEE specifications and implementations.

1.1 Normative References

Table 1-1: Normative References
2. Project Purpose and Description

The GlobalPlatform TEE Security Evaluation Scheme is the organization under which Security Evaluation Laboratories are accredited, TEE Products are evaluated and Security Certificates are issued. The objective is to ensure that TEE Products comply with the GlobalPlatform Security Requirements, which include the GlobalPlatform TEE Protection Profile [TEEPP], TEE Evaluation Methodology and TEE Attack Catalog.

The TEE Security Evaluation Scheme is under the GlobalPlatform responsibility and managed by the Security Evaluation Secretariat. It involves TEE Product vendors, Security Evaluation Laboratories and TEE “users”. It applies to any device implementing GlobalPlatform TEE specifications.

The process document [TEESES] defines the 4 processes that the Security Evaluation Secretariat as entity is required to manage within the GlobalPlatform TEE Security Evaluation scheme:

- Scheme definition and maintenance
- Laboratories accreditation
- TEE security evaluation management
- Certificate issuance, registration and management

GlobalPlatform expects to initiate the different processes in the following order:

1. Laboratories accreditation
2. TEE security evaluation management
3. Certificate issuance, registration and management

In case of multiple winning applicants, GlobalPlatform expects the winning applicant of the scheme definition and maintenance process (see 1.2.1) to coordinate the above 3 processes.
The certificate issuance and the laboratory accreditation processes requires a database with the associated services of backup and the delivery of a monthly report to monitor the status of the activity (e.g. in, out, average time of processing, 12 months follow up). Specific reports may be requested from time to time.

2.1 Main activities

2.1.1 Scheme definition and maintenance

GlobalPlatform expects to release a new Protection Profile [TEEPP] every 18 months. In parallel market requirements may evolve (new market, new attacks …) and therefore require timely updating of the scheme.

As part of this activity, the applicant is responsible to maintain all documents that compose the scheme synchronizing:

- Protection profiles and attack list
- Evaluation methodology and technical templates
- Process document
- Legal framework

Coordination with the editors of the different documents is required for publishing new versions of the scheme. Publication will be the responsibility of the scheme owner.

Only process documentation [TEES]. Updates are part of this activity. Updates to the Protection Profile [TEEPP] and the legal framework are not part of this RFP.

2.1.2 Laboratories accreditation

This activity covers 2 sub-activities:

1. Management of laboratory accreditation:
   - Reception of the accreditation request,
   - Support of the laboratory during the accreditation process (this can be done by email in most cases),
   - Accreditation renewal.

2. Management of Laboratory audit,
   - Reception of the audit request,
   - Perform the audit itself,
   - Release of the audit report,
• Any follow up actions if/when needed to finalize the audit.

In the future and depending of the market needs, the Laboratory audit may be performed by different qualified entities. In this case the laboratory may contract directly the applicant for Laboratory audit services.

An activity report based on basic indicators (e.g. numbers of laboratories, ongoing audits, next Laboratory for renewal, etc.) is expected every month.

2.1.3 TEE security evaluation management

This activity covers the management of the evaluation report:

• Laboratory support during the product evaluation
• Review and analysis of the evaluation report
• Report for acceptance or rejection of the evaluation report

In some cases, specific detailed analysis and investigation will be needed to complete the evaluation report review (e.g. leading to the issuance of a restricted certificate).

If others Certification Bodies (CB) are willing to collaborate with the GlobalPlatform TEE SES, a coordination with such CBs may be needed to synchronize the acceptance criteria.

The expert(s) in charge of this activity will be also responsible of:

• Maintaining the evaluation methodology document up to date
• Developing lab meeting animations;
• Participating in the TEE Attack Expert Working Group.

2.1.4 Certificate issuance, registration and management

This activity covers the management of the product certification:

• Reception and treatment of the product vendor certification request,
• Product vendor support during the evaluation process (this can be done by email in most of the case),
• Reception of the product evaluation recommendation (acceptance or rejection)
• Publication of the certificate

An activity report based on basic indicators (e.g. (number of certificates, ongoing audit, etc.) is expected every month.
## 2.2 Expected Skills

Different skills are required to perform the associated services

<table>
<thead>
<tr>
<th>Topic</th>
<th>Expected knowledge</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Laboratory audit</strong></td>
<td>Performing audits in accordance with ISO 17025 in a security environment; and Audit reports and follow-up management with Laboratories</td>
</tr>
<tr>
<td><strong>TEE security expertise</strong></td>
<td>TEE and device security (set top box, mobile handset, etc.); Common attack and vulnerability assessments; Common Criteria and/or other methodology practices and certification processes.</td>
</tr>
<tr>
<td><strong>Certificate issuance and, Laboratory accreditation registration and management</strong></td>
<td>Project management and follow up Database use for monthly report</td>
</tr>
<tr>
<td><strong>Scheme definition and maintenance Process owner</strong></td>
<td>Experience of a certification scheme Experience of managing a multi actors process Experience in ISO 17025 Experience in coordinating with multiple companies</td>
</tr>
</tbody>
</table>
3. Proposal Guidelines and Criteria

The winning applicant(s) will have the ability to provide the different skills and services required to perform the Security Evaluation Secretariat roles, and have the ability to follow the expected growth of activities.

As this stage is difficult to give precise indications about volumes but it is expected that during the first 12 months:

- 7 laboratories will requested the accreditation
- 10 products will start the evaluation process

**Background Information**

To familiarize GlobalPlatform with your company, please provide the following information in your proposal:

- **Organization** – An overview of your organization and area of expertise both at the overall level and individual level of the team you plan to assemble.
- **Team** – Describe the team you propose to assemble for this work, including names, titles, roles and responsibilities, bios and background experience.
- **Relationships with GlobalPlatform** – Describe your company and/or team’s past or current relationship with GlobalPlatform or any GlobalPlatform programs.
- **Relevant Projects and Other Pertinent Information** – Provide references of a relevant projects that can demonstrate your approach and the value you brought in a situation in which a company needed help to analyze required practices and specifications.
- **Program Management and Administration** – Please provide insight into the processes employed by your company including: Establishing project goals and deliverables; Progress and forecast reporting; Budget updates and relevant billing practices; and Project scope management.
- **Special Experience and Training** – Please describe any relevant experience or training with certification programs, security standards, Common Criteria evaluation schemes, TEE, etc.
- **TEE knowledge**: Please describe any relevant experience related to the TEE technology or associated security technology (device security, Trust zone, etc).
- **Databases** – Describe your company’s proposed database solution for managing, archiving and tracking information and documentation.
• **Conflict of Interest** – The applicant must be entirely independent from: (a) any entity involved in the development, test or certification of a TEE product, and (b) any laboratory, test tool supplier or auditor (each entity described in clause (a) or (b), a “Subject Party”). Without limiting the foregoing, (i) the applicant should not own, be owned by, or be under common ownership with, whether in part or whole, a Subject Party, (ii) neither the bidder nor any of its employees or agents should have a contractual relationship with a Subject Party, and (iii) no employee or agent of the bidder should have a relationship with any employee or agent of a Subject Party. To the extent that the bidder is not completely independent from, or does have some connection to a Subject Party, the bidder must disclose in its proposal the identity of each Subject Party, a complete description of the applicant’s relationship with the Subject Party, and an explanation of why such relationship would not create a conflict of interest if the applicant is selected.

To the extent the applicant intends to use any outsourcing or sub-contractors to complete the work requested herein, please indicate and explain the intended use in your proposal.

All work product, materials and documentation created in support of this RFP by the winning applicant will become the sole property of GlobalPlatform.

Contract terms and conditions will be negotiated upon selection of the winning applicant for this RFP. Under the contract, the winning applicant will be an independent contractor and nothing therein shall be construed to create an employer-employee relationship or joint venture between GlobalPlatform and winning applicant. As such, winning applicant will assume full responsibility for its actions while performing the services under the contract and shall obtain any required or appropriate liability insurance. Please note that all contracts and related documents entered into between GlobalPlatform and the winning applicant must be governed by the laws of the State of Delaware, United States of America. All contractual terms and conditions will be subject to review by GlobalPlatform’s legal department and will include scope, budget, timeline, and other necessary items pertaining to the project.

### 4. Request for Proposal and Selection Timeline

Proposals will be accepted until 5pm UTC June 22, 2015. All proposals must be signed by an official agent or representative of the company submitting the proposal.

It is our intention to begin reviewing and evaluating proposals on July 1, 2015, with the GlobalPlatform Board of Directors’ review and endorsement to follow on or about August 30, 2015. If additional information or discussions are needed with any applicant(s) during this review period, the applicant(s) will be notified.

The selection decision for the winning applicant, along with a Purchase Order, will be made shortly after the Board decision and potential final contractual negotiation.

Notification to applicants who were not selected will be completed on or around September 1, 2015.
# 5. Project Timeline and Budget

All proposals must provide a proposed timeline to include:

<table>
<thead>
<tr>
<th>Part</th>
<th>Timeline</th>
<th>Budget or Per item</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Potential start</td>
<td>Expected workload</td>
</tr>
<tr>
<td>A. Scheme definition and maintenance (section 1.2.1)</td>
<td></td>
<td></td>
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<tr>
<td>Part B. Laboratories accreditation (section 1.2.2)</td>
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<tr>
<td>B-1 Management of the laboratory accreditation</td>
<td></td>
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<tr>
<td>B-2 Laboratory audit</td>
<td></td>
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<td>Part C. An activity report based on basic indicators (e.g. numbers of laboratories, ongoing audits, next Laboratory for renewal, etc.) is expected every month. TEE security evaluation management (section 0)</td>
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<tr>
<td>C-1 Report analysis</td>
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<tr>
<td>C-2 Risk management analysis</td>
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<tr>
<td>C-3 Evaluation methodology maintenance and lab meeting management</td>
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<tr>
<td>Part D. Certificate issuance, registration and management (section 1.2.4)</td>
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All proposals shall include a complete break-down and total of the cost to complete the project, including all fees and taxes.

# 6. References

Applicants should provide relevant references as part of their proposal for consideration.
7. Disclaimer

This RFP shall not be considered in any manner to create an obligation on the part of GlobalPlatform to enter into a contract with any vendor, or to serve as a basis for any claim whatsoever for reimbursement of costs for proposal efforts expended, regardless of whether or not a vendor is successful in receiving a contract as a result of this RFP. Any costs incurred by a vendor in the preparation of a proposal will be borne solely by the vendor. Furthermore, the scope of procurement may be revised at the option of GlobalPlatform at any time prior to the execution of any contract. GlobalPlatform reserves the right to reject any or all proposals submitted for any reason. GlobalPlatform and any vendor shall be held free from any liability resulting from the use or implied use of any proposal submitted. Submission of a proposal will constitute the vendor's acknowledgement and acceptance of this disclaimer notice.