



Republic of the Philippines

PHILIPPINE STATISTICS AUTHORITY

Reference No. 2019SBAC-05-016

15 May 2019

SUBJECT: **Supplemental Bid Bulletin No. 4**

Dear Prospective Bidder:

This serves as the official transmittal of Bid Bulletin No. 4 for the Supply, Delivery and Managed Services of Registration Kits for Philippine Identification System (PhilSys).

This Supplemental/Bid Bulletin No. 4 shall form part of the Bidding Documents. Any provision in the Bidding Documents inconsistent herewith is hereby amended, modified and superseded accordingly.

The bulletin will be posted on the websites of PhilGEPS and PSA.

Truly yours,


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Assistant National Statistician, Standards Service
Chairperson, Special Bids and Awards Committee (SBAC)


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Bid Bulletin Ref. No.	Specific Page / Section in the Bidding Docs.	Query/Issue	SBAC Response/Clarification						
BB4-1	Page 89 Section VI. Schedule of Requirements BB3-2	New schedule of requirements. Further revised	Notice to Proceed (NTP): 14 June 2019* Schedule of Delivery: Phase 1 – 60 days from NTP (100 kits) Phase 2 – 30 days from Phase 1 (500 kits) Phase 3 – 20 days from Phase 2 (1,900 kits) Phase 4 – 30 days from Phase 3 (2,500 kits) * subject to change						
BB4-2	Page 55 Section III. Bid Data Sheet Clause 24.1	Change of Venue	Venue for the Opening of Bids: 17 th Floor Conference Room, Centris 3, Quezon City						
BB4-3	Page 65 Section IV. General Conditions of Contract Clause 11.3	How will the payment terms stipulated in section 11.3 be implemented as deliveries are required to be in batches? The 2nd payment of 65% stipulated in Section 11.3.b is said to be paid to the Supplier within 60 days after the date of receipt of goods. Section VI outlines three delivery dates for the goods namely July, August and December. Will the payment referenced in Section 11.3.b be made on a pro-rata basis based on the deliveries i.e., 65% of 500 kits invoiced after delivery 1, 65% of 2000 kits invoiced after delivery 2, 65% of 2500 kits invoiced after delivery 3?	Yes, the 65% shall be paid on a pro-rata basis based on GPPB guideline allows for partial payments for contracts with partial delivery. Partial payments must correspond with the value of goods delivered and accepted. The value of goods shall include cost of goods and other incidental costs reflected in the Bid Form submitted by the bidder. Please refer to the table below for payment schedule. Please note that partial payments will first be offset from the Advance Payments. <table><tr><th>Period / Milestone</th><th>Payment</th></tr><tr><td>Within 60 days from Contract Signing</td><td>15% of Contract Price as Advance Payment upon submission of bank guarantee and claim from Supplier</td></tr><tr><td>Within 60 days from date of Phase 1 delivery</td><td>65% of value of Goods (100 Kits) delivered upon submission of</td></tr></table>	Period / Milestone	Payment	Within 60 days from Contract Signing	15% of Contract Price as Advance Payment upon submission of bank guarantee and claim from Supplier	Within 60 days from date of Phase 1 delivery	65% of value of Goods (100 Kits) delivered upon submission of
Period / Milestone	Payment								
Within 60 days from Contract Signing	15% of Contract Price as Advance Payment upon submission of bank guarantee and claim from Supplier								
Within 60 days from date of Phase 1 delivery	65% of value of Goods (100 Kits) delivered upon submission of								

				documents (i) through (vi) specified in the SCC provision on Delivery and Documents.
			Within 60 days from date of Phase 1 acceptance	20% of value of Goods (100 Kits) delivered upon submission of acceptance and inspection certificate
			Within 60 days from date of Phase 2 delivery	65% of value of Goods (500 Kits) delivered upon submission of documents (i) through (vi) specified in the SCC provision on Delivery and Documents.
			Within 60 days from date of Phase 2 acceptance	20% of value of Goods (500 Kits) delivered upon submission of acceptance and inspection certificate
			Within 60 days from date of Phase 3 delivery	65% of value of Goods (1,900 Kits) delivered upon submission of documents (i) through (vi) specified in the SCC provision on Delivery and Documents.
			Within 60 days from date of Phase 3 acceptance	20% of value of Goods (1,900 Kits) delivered upon submission of acceptance and inspection certificate
			Within 60 days from date of Phase 4 delivery	65% of value of Goods (2,500 Kits) delivered upon submission of documents (i) through (vi) specified in the SCC provision on Delivery and Documents.
			Within 60 days from date of Phase 4 acceptance	20% of value of Goods (2,500 Kits) delivered upon submission of acceptance and inspection certificate

BB4-4	<p>Page 54</p> <p>Section III. Bid Data Sheet</p> <p>ITB Clause 20.3</p>	<p>Section 20.3 requires that the bidder to submit a "certified true copy of the original" of any documents required in Section 12.</p> <p>What establishment is required to certify the documents for companies registered outside of the Philippines?</p>	<p>The authorized representative of the bidder shall certify that the document is a true copy of the original.</p>
BB4-5	<p>Page 41</p> <p>Section II. instruction to Bidders</p>	<p>Given the importance of the project and the high volume of biometric kits required, we recommend that a sample kit be requested and form part of the technical evaluation process. This will allow the PSA to assess the adequacy of the product in terms of workflow, quality and longevity and adherence to the detailed component technical specifications.</p> <p>Will the PSA request a sample as part of the technical evaluation process?</p>	<p>Sample testing can be done as part of post-qualification. After determining the bidder with the Lowest Calculated Bid (LCB), it is then subjected to post-qualification. The product testing, during which the functional test and other parameters identified and incorporated in the Bidding Documents, is done during the post-qualification stage of the procurement process.</p> <p>During the post-qualification of the Lowest Calculated Bid, the prospecting bidder will be required to provide 3 sample registration kits.</p>
BB4-6	<p>Page 18-49</p> <p>Section II. instruction to Bidders</p>	<p>Given the importance of this project and the high volume of biometric kits required, it would be advisable that the PSA have authentic evidence that the contracted factory that manufactures the biometric registration kits does in fact have the necessary international certifications for the specific products, for example ISO 9001:2015, FCC, CE, RoHS or equivalent.</p> <p>This would provide greater assurance that the goods will be of a high standard, longer lifespan and reduce the number of maintenance / repair claims. It will also give</p>	<p><i>PSA maintains the eligibility requirement based on SLCC and NFCC.</i></p>

		<p>more comfort to complying with the delivery timelines.</p> <p>Can we suggest the PSA request, as part of the submission, relevant certificates and documentation that provide evidence that the factory has such certifications for the manufacture of biometric registration kits?</p>	
BB4-7	<p>Page 65</p> <p>Section IV. General Conditions of Contract</p> <p>Clause 12</p>	<p>Section 12 states that the supplier shall be entirely responsible for all the necessary taxes, stamp duties, license fees, and other such levies imposed for the completion of the contract. Is the PSA as a government authority exempt from customs restrictions, duties and charges of a similar nature in respect of articles imported for its official use?</p>	<p>No, the PSA as the PhilSys implementing agency has no power to exempt the necessary taxes, stamp duties, license fees, and other such levies imposed for the completion of the contract.</p> <p>Bidders are responsible for all taxes, stamp duties, license fees and other such levies and related expenses imposed up to the delivery of the goods to the Project Site as specified in the contract. Bidders are required to include in their bids the cost of all taxes (e.g. VAT, income tax, local taxes, other fiscal levies and duties which are itemized in the bid and reflected in the detailed estimate).</p>
BB4-8	<p>Page 97</p> <p>Section VII. Technical Specifications</p> <p>Carrying Case with Battery Pack</p>	<p>Will the kits be primarily used inside an office/sheltered indoor environment or outdoors?</p> <p>Will the kits be required to run off generators or car chargers or solar panels?</p>	<p>Please refer to the response in BB2-3.</p> <p>For further clarification, all kits should be ready for both internal and external use, which will provide flexibility when determining locations whether sent to fixed or mobile registration center. The kits should be able to run off any standard AC electricity supply.</p> <p>5000 sets of Laptop Type Biometric Registration Kits - Carrying Case with Battery Pack – Power Supply (Battery Pack) is hereby amended as follows:</p> <p>“Allows for a minimum of 8 hours continuous use. Can accommodate direct power and re-charging from car batteries, main power or generator power.</p>

			Recharging from stable main power source shall not exceed a maximum of four (4) hours. Adaptors and extension cables with surge protection must be included with the kit".
BB4-9	<p>Page 97</p> <p>Section VII. Technical Specifications</p> <p>Carrying Case with Battery Pack</p>	<p>It is stipulated that only 8 hours of autonomous use is required i.e. operational time without AC power. It is understood this is a national registration project that will be deployed and implemented across the country including the ~7,000 islands of the Philippines.</p> <p>A national project on this scale will encounter infrastructure challenges the most notably access to constant power supply. We recommend extending the autonomous use of the enrolment kit (battery life) to at least 12-15 hours to avoid downtime due to power supply restrictions. This timeframe also correlates to a typical full registration day time period.</p> <p>Can we suggest an autonomous use of battery life of at least 12-15 hours?</p>	Please refer to BB4-8.
BB4-10	<p>Page 97</p> <p>Section VII. Technical Specifications</p> <p>Carrying Case with Battery Pack</p>	<p>We suggest that the PSA include a maximum charging time of the battery of approximately 4 hours. A battery that can charge in a reasonable amount of time can ensure continuous use and reduce the risk of not being fully charged during lengthily power outages.</p> <p>Can we suggest the PSA to stipulate a maximum charging time of 4 hours for the battery?</p>	Please refer to BB4-8

BB4-11	<p>Page 97</p> <p>Section VII. Technical Specifications</p> <p>Carrying Case with Battery Pack</p>	<p>To accommodate the rugged terrain and possible power supply challenges in the remote parts of the country and the many islands, it would be recommended to consider the use of solar energy to power the enrolment kits.</p> <p>Through a solar solution the enrolment kits can be operated continuously ensuring no registration downtime and simultaneously charging the components internal batteries and the battery system. The solar solution is foldable and can fit in the carry case or a backpack.</p> <p>The solar solution allows complete autonomy of the enrolment kits that then can be used in any registration stations setup outdoors. The Philippines has a high supply of solar energy that can be used for this purpose.</p> <p>Can we suggest the PSA to consider a solar solution to accommodate the mobile enrolment kits?</p>	<p>The requirement for the battery pack is to allow charging through car batteries, main power and/or generators. Bidder proposals which includes features in addition to the requirements will be accepted, provided that the bid price is within the ABC.</p>
BB4-12	<p>Page 96-97</p> <p>Section VII. Technical Specifications</p> <p>Carrying Case with Battery Pack</p>	<p>Section VII requires that the contractor should provide a carrying case to accommodate the following items:</p> <ul style="list-style-type: none"> - Laptop - Wired mouse - Fingerprint slap and iris scanner - Camera - Printer - Extended monitor - Document Scanner - Battery pack 	<p>The revised requirement for the carrying case now include the following:</p> <p>"The kit must have integrated solution which means that components, electronics, power systems and cable harnesses will be embedded into the case. Registration operation may be performed directly within or outside the case."</p>

		<p>- All cables (Power, USB, others)</p> <p>We recommend that the components be integrated in the kit in such a manner that operation set up should not require the assembling of parts outside of the case except for the camera, iris scanner and photobooth.</p> <p>Registration operation should be able to be performed directly within the case (in-situ). An integrated solution means that components, electronics, power systems and cable harnesses will be embedded into the case. This would also limit theft and loss of components.</p> <p>Can we suggest that the tender documentation use the words "integrated solution" and "registration operation should be able to be performed directly within the case (in-situ)" in the tender documents?</p>	
BB4-13	<p>Page 97</p> <p>Section VII. Technical Specifications</p> <p>Carrying Case with Battery Pack</p>	<p>The PSA requires that the bidder provide an IP56 case to house all the components in the kit. This is not a rugged case. Rugged cases are typically IP67. An IP67 case provides the following protection levels;</p> <p>First digit: Solid particle protection</p> <p>6 - Protected from total dust ingress</p> <p>Second digit: Liquid ingress protection</p>	<p>The requirement of IP56 remain unchanged, however this is a minimum requirement, bidders' proposal which includes higher specification to the requirement will be accepted, provided that the bid price is within the ABC.</p>

		7 - Protected from immersion between 15cm and 1m in depth	
BB4-14	<p>Page 97</p> <p>Section VII. Technical Specifications</p> <p>Carrying Case with Battery Pack</p>	<p>The PSA requires the bidder to provide an impact resistant case to protect all the components during transportation and general use.</p> <p>Can the PSA clearly stipulate that components be placed in high density foam sponge compartments for protection? And that as part of the tender evaluation process, that drop tests are performed to ensure that the kit can handle multiple drops from all sides from a height of 1.5 meters, e.g. the military grade tests require 26 drops from various angles?</p>	<p>As provided in the technical specifications of the carrying case with battery pack, the Protection requirement states that the "inside of case must be lined with high density foam to prevent any damage to equipment during transportation" and the Durability/Shock requirement must be "IP56 and impact resistant".</p> <p>The bidder must provide third-party certification for both IP56 (Ingress Protection) for dust and water protection and IK10 (free-fall height) for impact resistance assessment.</p>
BB4-15	<p>Page 93-97</p> <p>Section VII. Technical Specifications</p>	<p>Would the PSA consider a weight limitation of the enrolment kits to allow for greater mobility? An enrolment kit that can be easily transported by an operator to villages, towns, islands or other neighboring registration centers allows for an easier manageable registration solution. It also allows for the ability to easily setup registration centers across the country and scale if necessary.</p> <p>Can we suggest an enrolment kit weight no more than 23 kilograms to allow for this purpose??</p>	<p>Specifications under Section VII. Technical Specifications: 5000 sets of Laptop Type Biometric Registration Kits - Carrying Case with Battery Pack is hereby amended to include a sub-section that reads:</p> <p>"Total Aggregate Weight: The total aggregate dead weight for the carrying case inclusive of all the necessary components shall not exceed 25 kilograms (Kg)."</p>
BB4-16	<p>Page 96</p> <p>Section VII. Technical Specifications</p>	<p>Can we please understand the purpose of this monitor and if a smaller size display can be offered? If the objective of this monitor is for</p>	<p>The purpose of the second monitor is to provide the registrant with a live and transparent view of the biometric and demographic data capture, by showing a duplication of the screen that the operator</p>

	Extended Portable Colored Monitor	<p>the applicant to be able to view their personal data being input by the operator, then this can be achieved on a display as small as 3-4" using the correct workflow.</p> <p>This will make a significant difference on size of the enrolment kit. It is therefore recommended to consider a smaller confirmation 2nd display. We have provided below examples of how a screen as small as 3-4" has been used successfully for this purpose.</p> <ol style="list-style-type: none"> 1. Screen instructing the applicant to look into the camera in order to take a picture. 2. Screen guiding the applicant to place their fingers on the fingerprint scanner. <p>Can you please clarify what is the purpose of this monitor? Can the second display monitor be 3"-4"?</p>	<p>is seeing. In order to take into account issues with literacy and eyesight.</p> <p>The revised specification for the Extended Portable Colored Monitor is 13-16 inch LED screen and can fit in the carrying case.</p>
BB4-17	<p>Page 93-94</p> <p>Section VII. Technical Specifications</p> <p>Camera including required lighting peripherals (light booth)</p>	<p>Can we recommend the PSA to consider as an option using a high-resolution webcam, which if used correctly can achieve ICAO standard photos?</p> <p>Can the PSA please consider the use of a webcam as long as it can be proved that ICAO standards can be met?</p>	<p>5000 sets of Laptop Type Biometric Registration Kits – Camera including required lighting peripherals (light booth) – lens is hereby amended as follows:</p> <p>"Lens: Fixed HD Webcam (1080p) OR Digital Single Lens Reflex, either of which must be capable of taking ICAO standards-compliant facial images."</p>
BB4-18	<p>Page 93</p> <p>Section VII. Technical Specifications</p>	<p>The laptop requirements are vague on the CPU specifications. Can the PSA please provide 5 examples of acceptable CPUs e.g. Intel® Core™ i9-9980XE</p>	<p>Use of brands in the Bidding Documents are not permissible. Necessary specifications have already been provided which will allow bidders to select.</p>

	Laptop with anti-theft lock		<p>The specification for the laptop with anti-theft lock is revised as follows:</p> <p>Latest generation processor, minimum 1.6Ghz base frequency 6Mb cache 4 physical cores or other equivalent alternatives.</p>
BB4-19	<p>Page 93</p> <p>Section VII. Technical Specifications</p> <p>Laptop with anti-theft lock</p>	<p>Can we recommend that the laptop have a locking mechanism that ensures the laptop is always used while in-situ in the enrolment kit and never dislodged or damaged during transportation. During any drop tests performed, the locking mechanism will also prevent the laptop from being dislodged and damaged. It also limits the risk of theft.</p> <p>Will the PSA consider adding a locking mechanism for laptop while it is in the case to ensure it is not easily removed from the kit?</p>	<p>Anti-theft lock has already been mentioned in the specifications.</p> <p>The requirement remains unchanged. Nonetheless, additional features such as locking mechanism will be accepted, provided that it does not interfere with the key functions of the kit and the bid price is within the ABC.</p>
BB4-20	<p>Page 93</p> <p>Section VII. Technical Specifications</p> <p>Laptop with anti-theft lock</p>	<p>Is the applications / software that are being used by PSA compatible with Windows 10 Home or Professional?</p>	Yes.
BB4-21	<p>Page 94</p> <p>Section VII. Technical Specifications</p> <p>Fingerprint (4+4+2) slap capture equipment</p>	<p>The technical section requires that the supplier provide a 4+4+2 Reader with a scan resolution of 500 dpi. PPI and DPI are used interchangeably as a measure of scan resolutions in the industry. PPI is used by the FBI as part of their certification criteria.</p> <p>Please confirm that a 4+4+2 reader with a 500 ppi will be accepted by the PSA for the submission?</p>	Yes.
BB4-22	Page 93-97	We suggest an "accessories" backpack be supplied with	The requirement remains unchanged. Nonetheless, additional features such as

	Section VII. Technical Specifications	<p>each enrolment kit to house accessories such as photo backdrop, extra ink, extra paper, pens, forms etc.</p> <p>An accessories backpack will reduce the size and weight of the enrolment kit and improve mobility. It will also provide storage space for operators to store any stationary that might be required during registration. If a solar solution is required it can also be housed in the backpack.</p> <p>Can an "accessories" backpack be supplied with each kit to house accessories such as photo backdrop, extra ink, extra paper, pens, forms etc.?</p>	accessories backpack will be accepted, provided that the bid price is within the ABC.
BB4-23	Page 93-97 Section VII. Technical Specifications	<p>It is recommended that the PSA cater for the capability to continuously backup the registration data collected in each enrolment kit. This can be achieved through a backup device being provided in each enrolment kit.</p> <p>A backup device, in the form of a flash drive, can be used to store applicant registration data that is continuously transferred from the laptop after each registration. It is recommended that the backup device is securely housed in the enrolment kit so that is not removable. If any data stored on the laptop is lost or the laptop itself is stolen / lost, registration data can be recovered from the backup device.</p> <p>Will the PSA consider requesting a hidden backup</p>	Equipping all kits with external storage is not required at this stage. Nonetheless, additional features such as external storage will be accepted, provided that the bid price is within the ABC.

		device to be provided for each enrolment kit?	
BB4-24	Page 93-97 Section VII. Technical Specifications	<p>It is recommended that the PSA request a GPS to be provided in each enrolment kit.</p> <p>A GPS integrated into the biometric kit will support with device management and allow tracking and location of devices across the country. The feature will ensure that the deployment of the kits is manageable and that the kit is located and operating in the required area by the PSA. It can also support tracking an enrolment kit to restore any registration data through the backup device.</p> <p>Will the PSA consider requesting a GPS to be provided for each enrolment kit?</p>	The requirement remains unchanged. Nonetheless, additional features such as GPS will be accepted, provided that the bid price is within the ABC.
BB4-25	Page 93-97 Section VII. Technical Specifications	<p>It is recommended that the PSA request for a modem to be included in each enrolment kit</p> <p>If the registration software that will be uploaded onto the kits is web based, continuous connectivity will be required. A modem solution would allow for connectivity via SIM for registration areas where WIFI is unavailable or the connection is poor. A modem will also allow the transfer of registration data to a regional / central consolidation database</p> <p>Will the PSA consider requesting a modem to be provided for each enrolment kit?</p>	The requirement remains unchanged. Nonetheless, additional features such as modem will be accepted, provided that the bid price is within the ABC.

BB4-26	<p>Page 96</p> <p>Section VII. Technical Specifications</p> <p>Portable Document Camera Scanner</p>	<p>Does the PSA require a camera scanner with a minimum CMOS of 5 mega pixels or with a CMOS greater than 5 mega pixels?</p> <p>We have had significant experience with camera scanners built into enrolment kits and there does not appear to be a camera scanner in the market that has 600 dpi scan resolution.</p> <p>Will the PSA accept a document camera scanner with a scan resolution of 300 dpi which is high resolution print quality and more than sufficient?</p> <p>The technical specifications require that we supply a scanner with a scan size of A4, A3 (Max). Will the PSA accept a scanner with a maximum scan size of A4?</p>	<p>The requirement for Portable Document Camera Scanner is revised as follows:</p> <p>Image Sensor: Minimum CMOS of 5 mega pixels.</p> <p>Scan Resolution: 300 dpi</p> <p>The requirement for the Scan Size shall support the documents with sizes smaller than A4, A4, and legal size.</p>
BB4-27	<p>Page 93</p> <p>Section VII. Technical Specifications</p> <p>Laptop with anti-theft lock</p>	<p>Will the PSA consider a laptop with a screen size of 14 inches? It is still a bigger laptop but will allow us to reduce the size of the kit.</p> <p>Will a 14-inch laptop be accepted by the PSA?</p>	<p>The revised specification for the laptop screen size is 14-15.6 inch.</p>
BB4-28	<p>Page 20</p> <p>Section II. Instructions to Bidders</p> <p>Clause 4.2</p>	<p>Please clarify whether all entities in a joint bid shall be required to submit an Omnibus Sworn statement; or shall it be enough that the Bidder's authorized representative as indicated in the JVA or undertaking to enter into a JVA shall be the signatory to the Omnibus Sworn statement.</p>	<p>Only the authorized representative of the joint venture members is required to submit the Omnibus Sworn Statement.</p> <p>Please refer to Section 47 of the revised IRR of RA 9184.</p>
BB4-29	<p>Page 22</p>	<p>Please clarify which of the following audited financial statements (AFS) is a requirement for the entity</p>	<p>The bidder should use the latest AFS stamped received by the taxing authority for the preceding calendar year.</p>

	<p>Section II. Instructions to Bidders</p> <p>Clause 5.5</p>	<p>producing the NFCC to submit?</p> <p>1. Latest AFS submitted to the taxing authority; or</p> <p>2. AFS not earlier than two (2) years from date of submission of the bid.</p> <p>Note that the current assets and liabilities for the NFCC should be based on the latest AFS submitted to the taxing authority.</p>	
BB4-30	<p>Page 28</p> <p>Section II. Instructions to Bidders</p> <p>Clause 12.1(a)</p>	<p>Please clarify that submission of a valid PhilGEPS Certificate of Registration of the joint bidders will no longer require submission of the following documents:</p> <p>1. Registration documents;</p> <p>2. Tax clearance;</p> <p>3. Business permit; and</p> <p>4. AFS</p> <p>Note that requirements 1-4 have already been submitted to PhilGEPS for purposes of securing a certificate of registration.</p>	<p>Clause 12.1(a) of Section II (Instructions to Bidders) only requires submission of PhilGEPS Platinum Certificate of Registration. Note that each joint venture member must submit its PhilGEPS Registration.</p>
BB4-31	<p>Page 28-29</p> <p>Section II. Instructions to Bidders</p> <p>Clause 12.1(a)(iv)</p>	<p>Please confirm that an undertaking to enter into a JVA by the joint venture partners is sufficient compliance in lieu of an executed JVA.</p> <p>In addition, please confirm the following:</p> <p>1. Entity indicated in the undertaking as the authorized representative of the joint</p>	<p>Please refer to BB4-28.</p>

		<p>bidders is authorized to submit the bid on behalf of the joint bidders; and</p> <p>2. The person as indicated as the authorized representative of number 1 shall be authorized to execute, sign and deliver all bidding documents required for and on behalf of the joint bidders.</p>	
BB4-32	<p>Page 36</p> <p>Section II. Instructions to Bidders</p> <p>Clause 19.4</p>	<p>Provides that each and every page of the Bid Form, including the Schedule of Prices, under Section VIII hereof, shall be signed by the duly authorized representative/s of the Bidder.</p> <p>Please clarify if the signature of the authorized representative of the joint bidders as indicated in the JVA or undertaking to enter into a JVA shall be sufficient compliance therewith.</p>	Please refer to BB4-28.
BB4-33	<p>Page 54</p> <p>Section III. Bid Data Sheet</p> <p>Clause 18.1</p>	<p>Please clarify if the bid security may be ANY of the following forms:</p> <ol style="list-style-type: none"> 1. Bid Securing Declaration (template provided in page 121 of the Bidding Documents); 2. Cash, Cashier's / manager's check, bank draft / guarantee or irrevocable letter of credit; or 3. Surety Bond. 	Yes, the bid security may be any of the following aforementioned forms as provided in Section 18. Bid Security on page 33 of the Bidding Documents.
BB4-34	<p>Page 64</p> <p>Section IV. General Conditions of Contract</p>	Please clarify if payment for each phase shall be made after delivery of the kits for said phase and compliance with the documentary requirements required therefor.	Please refer to BB4-3.

	Clause 10		
BB4-35	Page 65 Section IV. General Conditions of Contract Clause 12	May we inquire if PSA is a VAT zero rated entity	No, the PSA is not a VAT zero rated entity.
BB4-36	Page 78-83 Section V. Special Conditions of Contract Clause 6.2	Please clarify if all the items shall be required to be delivered in one (1) case or multiple cases	See response in BB4-12.
BB4-37	Page 89 Section VI. Schedule of Requirements	<p>The delivery schedule provides for fixed dates for delivery of registration kits as follows:</p> <p>Phase 1 (500 kits) – by 3rd week of July 2019 Phase 2 (2000 kits) – by 1st week of August 2019 Phase 3 (2500 kits) – by 1st week of December 2019</p> <p>It bears mentioning that the receipt and opening of bids is scheduled on 16 May 2019. May we know approximately how long it will take the pSA to issue a Notice to Proceed (NTP). After issuance of the NTP, how many days shall be PSA give the supplier to deliver Phase 1.</p> <p>It must be stressed that it is difficult to comply with Phase 1 and 2 if the duration of the time to import and deliver the requirements into the Philippines is under sixteen (16) weeks from the release of the NTP. We strongly suggest that the delivery schedule of deadline be made</p>	Please refer to BB4-1.

		after sixteen (16) weeks from the NTP.	
BB4-38	Page 93-97 Section VII. Technical Specifications	Please clarify what constitutes evidence to support a bidder's statement of "comply" or "not comply" in the technical specifications. On this score, what are concrete examples of the following: 1. Manufacturer's un-amended sales literature; 2. Unconditional statements of specification and compliance issued by manufacturer; 3. Samples; 4. Independent test data. Whether or not all above documents should be attached to a bidder's technical specifications form. If in the affirmative, should the documents be certified, notarized and consularized (if applicable).	The examples of supporting documents enumerated in Section VII of the Bidding Documents serve as a guide for the bidder in its submission of evidence of compliance with the Technical Specifications. For further guidance, concrete examples of such documents include product brochures, product description on bidder's website; manufacturer's sworn statements; and test reports from recognized bodies, among others.
BB4-39	Page 93 Section VII. Technical Specifications Laptop with anti-theft lock	May you provide detailed specifications on an "anti-theft lock". Whether or not such anti-theft lock is software or hardware based.	The anti-theft lock requirement refers to the hardware-based lock.
BB4-40	Page 93 Section VII. Technical Specifications Laptop with anti-theft lock	The Technical Specifications provide that the processor should be 3.10Ghz Base Frequency. It is our opinion that such requirement may be restricted to a particular brand. May we suggest the following revision of your consideration:	Please refer to BB4-18.

		<u>"3.10Ghz Base Frequency or other equivalent alternatives."</u>	
BB4-41	Page 97 Section VII. Technical Specifications Carrying Case with Battery Pack	<p>The Technical Specifications provide for a power supply (battery pack) which allows for a minimum of eight (8) hours continuous use. May we know the following information:</p> <p>1. Whether or not the power supply (battery pack) shall be used for all the items in the registration kit;</p> <p>2. Whether or not the duration of eight (8) hours of the power supply (battery pack) shall be in addition to the six (6) hours battery of the laptop.</p>	Please refer to BB4-8.
BB4-42	Page 100 Section VII. Technical Specifications SLA – Responsibilities of Supplier 6.2	<p>It should be mentioned that Section 6.2 provides that one of the responsibilities of the Supplier is the following:</p> <p>"6.2 Install registration client application (details to be provide by PSA), perform configurations to integrate registration client with biometric devises, camera and other peripherals"</p> <p>However, it should be stressed that the Service Level Agreement provides that the registration software application shall be provided by the PSA. In this regard, please confirm that the supplier shall not be liable in instances wherein the PSA – registration client application shall have compatibility or technical issues with the registration kits provided by the supplier.</p>	Please refer to BB2-10. The PSA will be responsible for compatibility between the Registration Kits and the Registration Client. In addition, the SLA requirements include support for API mentioned in Annex B: Biometric Functions API.

BB4-43	<p>Page 101</p> <p>Section VII. Technical Specifications</p> <p>SLA – Supplier Staff</p>	<p>Section 7 provides a list of the minimum number of staff / personnel of the provision of Incidental Services and Technical Support Services for nationwide coverage.</p> <p>May we be clarified on the following:</p> <ol style="list-style-type: none"> 1. The duration of each staff indicated above. We are of the opinion that not all staff are required to be employed for the entire three (3) years period of the Service Level Agreement (SLA). For purpose of illustration, the trainers may be required at the beginning of the engagement but not necessarily for the entire duration of the SAL. <p>In addition, the QA specialist may only be required during the initial delivery of the registration kits to the PSA (for the purpose of ensuring the quality of the said registration kits) but no longer necessary to be deployed nationwide. It is our position that only technicians should be deployed nationwide to respond to incident reports as required by the SLA.</p> <ol style="list-style-type: none"> 2. The location of each staff indicated above. We are of the opinion that not all staff are required to be deployed nationwide. It is our position that only technicians should be deployed nationwide to 	<p>Please refer to BB2-14.</p>
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		<p>respond to incident reports as required by the SLA.</p> <p>3. Requirements for the training to be conducted by the supplier.</p> <p>3.1. Who shall be responsible for providing the venue for the training;</p> <p>3.2. Where will be the venue for the training be held;</p> <p>3.3. Training schedule;</p> <p>3.4. Who shall be responsible for the indirect costs and incidentals (i.e. food, drinks) related to the training; and</p> <p>3.5. Other details relevant to the aforementioned.</p>	
BB4-44	<p>Page 93-97</p> <p>Section VII. Technical Specifications</p>	<p>May we clarify if there is a necessity to provide the application software to capture and store biometric information together with the registration kits (i.e. supply of hardware and software).</p>	<p>No, PSA will provide the registration client software.</p> <p>Bidders will provide the software development kit (SDK) as required in the Technical Specification for Plain live scan capture, Auto capture with built-in quality check (NFIQ – NIST Fingerprint Image Quality), slap segmentation and sequence detection. Automatic left-right hand and two-thumb-detection. The scanner must feature a mechanism to detect fake fingers (bidder to elaborate on the proposed solution).</p>
BB4-45	<p>Page 111-124</p> <p>Section VIII. Bidding Forms</p>	<p>Please confirm that there is no specific form or template provided in the bidding documents for the following requirements:</p> <p>1. SLCC;</p> <p>2. NFCC;</p>	<p>Bidders have the discretion on how they wish to present the required documents as long as the information required are reflected on the documents submitted. In addition, no form is required/prescribed for JVAs.</p>

		<p>3. JVA; and</p> <p>4. Undertaking to enter into a JVA.</p> <p>In this regard, bidders may be allowed to use any form for the abovementioned in compliance with relevant provisions in the bidding documents.</p>	
BB4-46	<p>Page 111-112</p> <p>Section VIII. Bidding Forms</p> <p>Bid Form</p>	<p>Please confirm our understanding that the Bid Form template may be signed by the authorized representative of the joint bidders as indicated in the JVA or notarized undertaking to enter into a JVA.</p> <p>In other words, it is not necessary that authorized representatives of the entities shall jointly execute the Bid Form.</p>	Please refer to BB4-28.
BB4-47	<p>Page 117-119</p> <p>Section VIII. Bidding Forms</p> <p>Omnibus Sworn Statement</p>	<p>Please clarify whether the Omnibus Sworn Statement template may be signed by the authorized representative of the joint bidders as indicated in the JVA or notarized undertaking to enter into a JVA.</p> <p>In other words, it is not necessary that authorized representatives of the entities shall jointly execute the Omnibus Sworn Statement.</p>	Please refer to BB4-28.
BB4-48	<p>Page 121-122</p> <p>Section VIII. Bidding Forms</p> <p>Bid Security: Bid Securing Declaration</p>	<p>Please clarify whether the Bid Security: Bid Securing Declaration template may be signed by the authorized representative of the joint bidders as indicated in the JVA or notarized undertaking to enter into a JVA.</p>	Please refer to BB4-28.

		In other words, it is not necessary that authorized representatives of the entities shall jointly execute the Bid Security: Bid Securing Declaration.	
BB4-49	<p>Page 94</p> <p>Section VII. Technical Specifications</p> <p>Camera including required lighting peripherals (light booth)</p>	There is a Light Booth setup requirement – please confirm if this can be in another carrying case. Hence in total, 2 carry case would be required	Please refer to BB4-10 and BB4-22.
BB4-50	<p>Page 93-97</p> <p>Section VII. Technical Specifications</p>	As there is no mention on GSM/3G dongle, please also check all data is to be transmitted out once the kit are in WIFI zone or transfer via hard drive.	Please refer to BB4-25.
BB4-51	<p>Page 94-95</p> <p>Section VII. Technical Specifications</p> <p>Fingerprint (4+4+2) slap capture equipment</p> <p>Iris capturing equipment</p>	With regards to Fingerprint Slap and IRIS Capturing Equipment, for Encryption method, is there any specific about encryption method like RSA or AES?	The Registration Client will manage data encryption. This is out of scope for the Registration Kit package.
BB4-52	<p>Page 94-95</p> <p>Section VII. Technical Specifications</p> <p>Fingerprint (4+4+2) slap capture equipment</p> <p>Iris capturing equipment</p>	Who will develop the integration between the existing Software of PSA and IRIS Capturing Equipment & Fingerprint Slap Biometrics units using API or SDK?	The necessary API specifications is included in Annex B: Biometric Functions API. The winning bidder will provide device drivers and/or connectors compatible with those specifications.

BB4-53	<p>Page 97-108</p> <p>Section VII. Technical Specifications</p> <p>SLA</p>	<p>Who will provide the Transportation and Accommodation of on-site Personnel / Technician during:</p> <p>A. Implementation. B. Warranty period.</p>	<p>Transportation and Accommodation of service personnel during the service period is the responsibility of the bidders.</p>
BB4-54	<p>Page 97-108</p> <p>Section VII. Technical Specifications</p> <p>SLA – Responsibilities of Supplier Part 6.7</p>	<p>Do we have any specific percentage for a service unit that we need to provision?</p>	<p>The bidder is guided by Section VII Technical Specifications – Service Level Agreement - Responsibilities of Supplier part 6.7. The bidder shall make the discretion on the count/percentage of service units on standby to meet the required SLA.</p>
BB4-55	<p>Page 94-95</p> <p>Section VII. Technical Specifications</p> <p>Fingerprint (4+4+2) slap capture equipment</p>	<p>Which encryption method must be supported by the fingerprint scanner? (RSA, AES, etc.)</p>	<p>Please refer to BB4-51.</p>
BB4-56	<p>Page 93-97</p> <p>Section VII. Technical Specifications</p>	<p>Who will provide the digital certificates? How to use it for encryption?</p>	<p>This is out of scope for the Registration Kit package.</p>
BB4-57	<p>Page 89</p> <p>Section VI. Schedule of Requirements</p>	<p>What is the timetable for deployment of the IT Personnel? Will PSA expect that IT Personnel will be in the regional office on or before delivery of the goods?</p> <p>What is the schedule of deployment of the units? Who gets the units first and the order?</p>	<p>Indicative Deployment Plan will be finalized during kick off/joint planning between PSA and the winning bidder during NTP.</p>

			<p>Initial deployment of Equipment will be at PSA's office at 2nd Floor TAM Building, PSA Complex, East Avenue, Diliman, Quezon City, with delivery to be done in four phases. Please refer to BB4-1.</p> <p>The Equipment will be deployed by PSA, after the Registration Client installation and testing, to the designated registration centers. The first 2500 Registration Kits will be deployed in 2019 in the following locations, with the intent of covering nationwide registration with the remaining kits over the next 3 years.</p> <ol style="list-style-type: none"> 1. Valenzuela City 2. Boracay 3. 3rd District of Laguna 4. 2nd District of Pampanga 5. Lipa City 6. Davao City 7. Bacoar, Cavite <p>Note: Number of Registration Kits per location will be finalized on or before the issuance of Notice to Proceed. Bidders' proposal should include the proposed service logistics plan to achieve the service level requirements as specified in Section 8 Incidental Services and Section 12 Service Level Targets of the draft Service Level Agreement (SLA).</p>
BB4-58	<p>Page 100 & 103</p> <p>Section VII. Technical Specifications</p>	<p>Are we imposing on top charges (Professional Fees) should there be additional services required on the Integration of Systems?</p> <p>Note: There should be a separate scoping activity to identify additional requirement.</p>	No, there should be no additional charges.
BB4-59	<p>Page 100 & 103</p> <p>Section VII. Technical Specifications</p>	<p>If PSA will allocate a schedule for scoping the integration?</p>	Yes, schedule will be provided during post-qualification as part of the compatibility checking.

BB4-60	<p>Page 108</p> <p>Section VII. Technical Specifications</p> <p>SLA – Penalties or Rebates</p>	If targets are met, why is it still included on the penalty computation?	The computation is consistent, penalty computation is derived via reducing the total amount with the corresponding amount for successful resolutions. The formula identified will only be applied if infraction on the bidder side manifests/happens.
BB4-61	<p>Page 94-95</p> <p>Section VII. Technical Specifications</p> <p>Fingerprint (4+4+2) slap capture equipment</p>	May we clarify the meaning of the technical requirement under the Fingerprint slap capture machine "Encryption-Support for encryption using factory loaded unique digital certificates";	Please refer to BB4-51.
BB4-62	<p>Page 123</p> <p>Section VIII. Bidding Forms</p> <p>Checklist of Eligibility Requirements</p>	May we clarify if bidders still need to submit its list of "COMPLETED CONTRACTS" as stated in Item no. 2 of your Checklist of Eligibility Requirements aside from the list of ONGOING CONTRACTS? May we possibly request for the removal of this requirement in accordance to the 2016 revised IRR which requires the bidders to submit ONLY THE ONGOING CONTRACTS AND STATEMENT OF SINGLE LARGEST CONTRACT?	<p>Further revisions to Bidding Documents pursuant to Section 23.1(a)(iv) Technical Documents of the revised IRR of RA 9184 as follows:</p> <p>Statement of all ongoing government & private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity.</p>
BB4-63	<p>Page 64</p> <p>Section IV. General Conditions of Contract</p> <p>Clause 10.1</p>	<p>Indicated in Page 64, Section IV, GCC clause 10 item 10.1 "Ten percent (10%) of the amount of each payment shall be retained by procuring entity to cover the Suppliers warranty obligations..."</p> <p>While on Page 84, Section V, SCC Clause 17. 3</p> <ul style="list-style-type: none"> • Retention Money equivalent to at least one percent (1%) 	<p>Further revisions to Bidding Documents particularly Clause 10.1 pursuant to GPPB Resolution No. 29-2017 is as follows:</p> <p>Payments shall be made only upon a certification by the HoPE to the effect that the Goods have been rendered or delivered in accordance with the terms of this Contract and have been duly inspected and accepted. Except with the prior approval of the President no payment shall be made for services not yet rendered or for supplies and materials not yet delivered under this Contract. At least one percent (1%) but shall not exceed five percent (5%) of the amount</p>

		Clarification: Is the retention 10% or 1%?	of each payment shall be retained by the Procuring Entity to cover the Supplier's warranty obligations under this Contract as described in GCC Clause 17.
BB4-64	Page 89 Section VI. Schedule of Requirements	Since the delivery of equipment is in PSA head office. May we clarify as to who will deploy the registration kits to the designated registration centers and who will shoulder the cost?	The Registration Kits will be deployed by PSA, after the Registration Client installation and testing, to the designated registration centers.
BB4-65	Page 103 Section VII. Technical Specifications SLA – Setting of Ticket Management System	How will PSA inspect and accept the system? Will there be a user acceptance testing (UAT) and sign off for the system?	Bidders are required to propose an indicative UAT for the acceptance of Registration Kits as part of their proposal. The indicative UAT plan will be finalized during kick-off/onboarding of winning bidder.
BB4-66	Page 53 Section III. Bid Data Sheet Clause 5.4	Due to the limitations of the SLCC to contracts involving supply, delivery and managed services of workstations with peripherals for biometric capture, it will be hard for most if not all local companies to comply since the amount needed is about 750 million pesos on a single completed contract. In relation to this, may we request that the PSA-SBAC reconsider its decision on bid bulletin number 2(BB2-19) of "NO AGGREGATION OF SLCC IS ALLOWED" and allow the prospective bidders to submit an SLCC with an aggregate "OR at least two (2) contracts of similar nature, the aggregate amount of which should be equivalent to at least fifty (50%) of the ABC,	The requirements under BB2-19 remains unchanged.

		the largest of these contracts must be equivalent to at least twenty (20%) of the ABC."	
BB4-67	Page 55 Section III. Bid Data Sheet Clause 21 & 24.1	Due to the holidays (holy week & upcoming Labor Day) given the heavy preparation of documents specially if we're joining the bid with a foreign partner, may we request an extension of fifteen (15) calendar days for the submission and opening of bid.	Please refer to BB4-2
BB4-68	Page 55 Section III. Bid Data Sheet ITB Clause 21 & 24.1	May we request an extension of the bid opening from May 16, 2019 to May 30, 2019 due to our foreign partners preparations of documents. It will take additional time to process necessary local documents and completion.	Please refer to BB4-2
BB4-69	Page 55 Section III. Bid Data Sheet Clause 21 & 24.1	Due to our recent Jewish Passover important holiday, which lasted more than a week, and the upcoming Israeli Independence National holidays (6-7 of May) and facing the enormous administrative and technical work which has to be done in this Bid, we kindly ask to postpone the Submission date of Bids from May 16, 2019, to May 30, 2019. Please postpone respectively the Opening of Bids.	Please refer to BB4-2
BB4-70	Page 3 Table of Contents	Table of Content indicated attachments start from page 125. The current bidding document only contain till page 124. Please provide the indicated attachment (if any).	The "Attachments in the Table of Contents refer to the Checklist of Eligibility Requirements. The Table of Contents is amended as follows: Attachments.....123
BB4-71	Page 65	Whether this project will be exempt from government taxes in Philippines e.g.	Please refer to BB4-7.

	Section IV. General Conditions of Contract Clause 12	import custom duty, VAT etc..?	
BB4-72	Page 101 Section VII. Technical Specifications SLA – Supplier Staff	Where should the Supervisors (17) / Trainers (17) / Technicians (86) / QA specialists (86) be deployed? Should they be in each of the region?	The winning bidder will be responsible for the service logistics plan, including the deployment of the personnel to achieve the service level requirements as specified in Section 8 Incidental Services and Section 12 Service Level Targets. For the locations, please refer to BB4-57
BB4-73	Page 9 & 104 Section I. Invitation to Bid No. 1 Section VII. Technical Specifications SLA - Warranties	Please clarify the warranty period for the Services which is different in 2 sections of the tender: Page 9- Warranty description -> 3 years warranty on parts & services Page 104 - Chap 9 Warranties -> 3 years warranty on parts & 2 years warranty on services	Section 9.2 Service Warranty under SLA on page 104 is revised as follows: Supplier undertakes and warrants to provide the necessary on-site or off-site services to address Incidents for a period of three (3) years from the date of delivery inclusive of all costs for repair, maintenance, replacements, consumables and/or manpower requirements. This include deployment of qualified personnel which have competent professional and technical knowledge and judgment.
BB4-74	Page 104 Section VII. Technical Specifications SLA - Warranties	We understand we have to provide 3 years of Hardware warranty from delivery of the equipment, 2 years of services warranty and 2 years of extended maintenance. Please clarify the warranty and maintenance conditions. For example: Does the 2 years extended maintenance include hardware and service maintenance? Is this for a period after the 3 years of basic hardware maintenance? How should the additional 2 years maintenance to be quoted in the total price?	Warranty period covers: Three (3) years warranty for parts and services where the bidder covers for all cost of repair, replacements, consumables and/or manpower to minimize the disruption caused by the registration kits Two (2) years extended for services where bidders covers for cost of manpower to repair, replace (provide service unit) and troubleshoot the registration kits. Parts, supplies and consumables needed for repair shall be covered by PSA The 2-year extended maintenance will start immediately after the 3-year warranty.

		How should the additional 2 years maintenance be itemized and presented in the Section VIII - Bid Form?	
BB4-75	<p>Page 104</p> <p>Section VII. Technical Specifications</p> <p>SLA - Warranties</p>	<p>Please confirm the warranty of the hardware applies only during the warranty period of the original equipment (3 years), i.e. not running warranty.</p> <p>E.g. A hardware fails on year 2 after its delivery and acceptance will remain with a 1-year warranty.</p>	The warranty of the hardware is not a running warranty. For example, if a hardware fails on the 2 nd year after its delivery, it will only have a 1-year warranty.
BB4-76	<p>Page 65</p> <p>Section IV. General Conditions of Contract</p> <p>Clause 11.1</p>	Please confirm procuring entity will provide advance payment of 15% upon submission of invoice and advance payment guarantee as per clause 11.1 of GCC.	Please refer to BB4-3
BB4-77	<p>Page 64 & 68</p> <p>Section IV. General Conditions of Contract</p> <p>Clause 10.1 & 17.3</p>	Please confirm what will be payment retention for warranty obligation? Clause 10.1 of GCC refer 10% of each payment while Clause 17.3 of GCC read with SCC refer warranty retention of 1%.	Please refer to BB4-63.
BB4-78	<p>Page 93</p> <p>Section VII. Technical Specifications</p> <p>Laptop with anti-theft lock</p>	<p>Request for change of Processor specification as per below recommendations:</p> <p>a) Based on bidder's past projects implemented, i5 processor is more than sufficient to drive the enrolment devices and applications.</p> <p>b) The specified processor and requirements potentially will impact competitiveness, product availability and delivery commitment.</p>	Please refer to BB4-18.

BB4-79	<p>Page 93</p> <p>Section VII. Technical Specifications</p> <p>Laptop with anti-theft lock</p>	Please provide the recommended OS required as the applications / software being used by PSA is unknown to bidder	Please refer to BB4-20.
BB4-80	<p>Page 93-94</p> <p>Section VII. Technical Specifications</p> <p>Camera including required lighting peripherals (light booth)</p>	Request to remove the requirement of jpeg2000 format and compliant with ICAO 9303 standards as this can be achieved by SDK (software) coupled with the camera. Digital cameras do not usually have the processing power to perform the computation heavy tasks.	The requirement remains unchanged.
BB4-81	<p>Page 93-94</p> <p>Section VII. Technical Specifications</p> <p>Camera including required lighting peripherals (light booth)</p>	Please advise if your application will be driving the capture of the photo or if the operator is required to physically press the button on the camera.	The Registration Client, which is not part of the bid will be driving the capture of the photo.
BB4-82	<p>Page 93-94</p> <p>Section VII. Technical Specifications</p> <p>Camera including required lighting peripherals (light booth)</p>	Request to remove the requirement of USB-IF certified as USB-IF certification is usually applicable to the USB cable itself	Connectivity: High-speed USB 2.0 or higher, USB-IF supported.
BB4-83	<p>Page 93-94</p> <p>Section VII. Technical Specifications</p>	Request to remove the requirement of fixed SLR requirements as based on bidder's past projects implemented, webcam is already sufficient to produce	Please refer to BB4-17

	Camera including required lighting peripherals (light booth)	good quality image used for ID/Passport applications.	
BB4-84	Page 93-94 Section VII. Technical Specifications Camera including required lighting peripherals (light booth)	Request to remove the requirement of IP54 as per below recommendations: a) During storage and transportation, the enrolment kit casing is already rated to IP56 that will protect all the devices in it from dust and water. b) During operations, other devices in the system such as Laptop is not dustproof and waterproof. Thus, it defeats the purpose having the said camera to be rated to IP54.	Removed the Durability/Shock specification (IP54) for the camera.
BB4-85	Page 93 Section VII. Technical Specifications Laptop with anti-theft lock	Please provide more details about the registration client and operating system to ensure compliant	Please refer to BB4-20 for the OS compatibility and to Annex B: Biometric Function API for further details.
BB4-86	Page 93-94 Section VII. Technical Specifications Camera including required lighting peripherals (light booth)	60W LED may be too bright for enrolment purposes. Bidder proposed 60W equivalent (approximately 8.5W LED) lighting is required.	5000 sets of Laptop Type Biometric Registration Kits – Camera including required lighting peripherals (light booth) – light is hereby amended as follows: “Light: 60W clear white light, or its LED light equivalent, with stand and on/off switch near the operator”
BB4-87	Page 93-94 Section VII. Technical Specifications	Please advise how the light will be powered. Will it be batteries powered with manual on/off switch?	Bidder will be responsible for specification of the Registration Kit, including lighting peripherals and carrying case power supply to ensure compliance with the required technical specification, including with regards to minimum hours of continuous operating use.

	Camera including required lighting peripherals (light booth)		The light booth will be powered using the battery provided in the Registration Kits. Nonetheless, any additional features such as built-in rechargeable back-up battery will be accepted, provided that the bid price is within the ABC.
BB4-88	Page 94-95 Section VII. Technical Specifications Fingerprint (4+4+2) slap capture equipment Iris capturing equipment	Request to remove the requirement of encryption as this can be easily implement on the enrolment software application to ensure device authentication.	Please refer to BB4-51
BB4-89	Page 96 Section VII. Technical Specifications Portable Monochrome Printer	Please confirm the additional consumables such as paper, ink tank (other than the 2 additional required), and others for the intent of routine operations is to be included into the scope of supply. If confirmed, please provide the usage level.	Additional consumables, other than the additional 2 ink tank refills of 150 ml each required, is out of scope of the tender.
BB4-90	Page 67 Section IV. General Conditions of Contract Clause 16	Please confirm will there be Hardware Acceptance Test planned. If yes, please provide the sampling percentage and the coverage. Is a script required to be provided and battery fully loaded?	The Hardware Acceptance Test will be provided during kick-off/onboarding. No script required.
BB4-91	Page 84 Section IV. Special Conditions of Contract Clause 16.1	Please provide acceptance criteria of the inspection by the inspection team.	The acceptance criteria will be based on the technical requirements.
BB4-92	Page 84 Section IV. Special	Please advise if bidder's representative required on site during inspection and test.	Yes.

	Conditions of Contract Clause 16.1		
BB4-93	Page 84 Section IV. Special Conditions of Contract Clause 16.1	Please confirm the sample size.	Please refer to BB4-5.
BB4-94	Page 93 Section VII. Technical Specifications Laptop with anti-theft lock	The prospective bidder would like to suggest changing the processor to 8th Intel Generation Processor 1.8GHz up-to 4.0GHz Turbo Boost. 8 th Generation is newer and better compared to the PSA required 7th Gen processor.	Please refer to BB4-18.
BB4-95	Page 93 Section VII. Technical Specifications Laptop with anti-theft lock	May we request to have this requirement to • 128 GB SSD and. (Can we relax and removed the PCIe to make it more generic) • Minimum 1 TB internal HDD, SATA Interface with hard drive retention option (customer keeps the HDD if it gets broken and replaced for data confidentiality)	No change to the minimum technical specifications.
BB4-96	Page 93 Section VII. Technical Specifications Laptop with anti-theft lock	The prospective bidder would like to request to relax the requirements to • Top 5 IDC Data since it is the current standard in our industry since quadrant is out of date. (Magic Quadrant is no longer updated and have stopped the data since 2016 for the study on desktop and notebooks)	The requirement for the laptop for Gartner reference is removed.
BB4-97	Page 53	The prospective bidder would like to request to have the	For this purpose, contracts relating to biometric and biographic data capture

	Section III. Bid Data Sheet Clause 5.4	SIMILAR CONTRACT to supply, delivery and managed services of workstations with peripherals	end-to-end population scale solutions must include the supply, delivery and managed services of registration kits with biometric and biographic capture to be considered as compliant. Similarly, contracts involving various IT equipment must include the supply, delivery and managed services of workstations with peripherals for biometrics and biographic capture to be considered as compliant. Examples could be voter registration, identity systems, civil registration.
BB4-98	Page 53 Section III. Bid Data Sheet Clause 5.4	The prospective bidder would like to request to accept Two (2) aggregated contracts to be use as Single Largest Contract. As per Revised IRRA 9184 aggregated Contract is acceptable. May we request your good office to accept the Two (2) aggregated contracts.	The requirements under BB2-19 remains unchanged.
BB4-99	Page 53 Section III. Bid Data Sheet Clause 5.4	May we request to reconsider a similar Contracts which at least 50% of the ABC and Similar Contracts shall mean Contracts/projects involving Supply, Delivery, Installation and Maintenance of Various IT Equipment (ex. Desktop, Laptop, UPS, Networking Peripherals and other IT Equipment). So that more bidders can participate, to have a competitive bidding.	Please refer to BB4-97.
BB4-100	Page 93-97 Section VII. Technical Specifications	May we request from your good office to extend the submission of Letter of Clarification so we can have ample time to review all the said requirements especially under the Section VII – Technical Specifications.	Please refer to BB4-2.
BB4-101	Page 93	May we request to omit the requirement (Must be included in the Leaders and Visionaries levels in the Magic	Please refer to BB4-96.

	Section VII. Technical Specifications Laptop with anti-theft lock	Quadrant for Enterprise Desktop and Notebooks based on the latest study done by Gartner Inc. (NYSE:IT)) so that other laptop brands can qualify in terms of quality even though they do not belong to the said requirement and also to have more bidders to participate.	
BB4- 102	Page 93-108 Section VII. Technical Specifications	How do we access the Complaint Management System? Is this from PSA? Is this accessible via VPN or leased line?	Bidders must be able to provide a ticketing management system consistent with the provisions of the Service Level Agreement 8.1 "Setting of Ticketing Management System and Reporting System" The Bidder is given the discretion on how to implement the connectivity for this system that is compliant with the provisions of the SLA.
BB4- 103	Page 93-108 Section VII. Technical Specifications	Are the tools accessible via web?	If this pertains to the ticketing management system, then yes. The ticketing management system must be web based with deployment option via on premise or via cloud.
BB4- 104	Page 101 Section VII. Technical Specifications SLA – Supplier Staff	What is the schedule of deployment for manpower?	Please refer to BB2-14.
BB4- 105	Page 97-108 Section VII. Technical Specifications SLA	What is the Max seating for Helpdesk? (this is to determine the bandwidth requirement for the Helpdesk Support)	Please refer to BB2-14. The bidder is guided by Section VII Technical Specifications – Service Level Agreement - Responsibilities of Supplier part 6.7. The bidder shall make the discretion on the maximum seating for Helpdesk to meet the required SLA.
BB4- 106	Page 101 Section VII. Technical Specifications SLA – Supplier Staff	How many Helpdesk and Onsite Technicians is needed for the 86 Technicians?	Please refer to BB2-14. The bidder is guided by Section VII Technical Specifications – Service Level Agreement - Supplier Staff part 7.1. The bidder shall make the discretion on the number of Helpdesk to meet the required SLA.

BB4-107	<p>Page 89</p> <p>Section VI. Schedule of Requirements</p>	<p>As raised during the pre-bid conference, processor manufacturers are Currently experiencing supply challenges globally. With that said, we would like to request for PSA to relax the schedule of requirements please.</p> <p>Phases 1 and 2 - 45 to 60 days after receipt of Notice to Proceed (NTP) (2,500 units)</p> <p>Phase 3 - 1st week of December (2,500 units)</p>	Please refer to BB4-1.
BB4-108	<p>Page 93</p> <p>Section VII. Technical Specifications</p> <p>Laptop with anti-theft lock</p>	<p>Including the "8th Generation" specification in the TOR points to one brand only. May we request for the deletion of this in the technical specifications?</p>	Please refer to BB4-18
BB4-109	<p>Page 93</p> <p>Section VII. Technical Specifications</p> <p>Laptop with anti-theft lock</p>	<p>The 3.10GHz Base Frequency is only available on mid-range processors for Desktops (not Notebooks). The equivalent for Notebooks has the following specifications:</p> <p>1.6GHz Base Frequency, 6MB Cache with turbo boost technology and 4 cores. Please revise the technical specifications accordingly.</p>	Please refer to BB4-18
BB4-110	<p>Page 93</p> <p>Section VII. Technical Specifications</p> <p>Laptop with anti-theft lock</p>	<p>OS: Latest 64-bit Operating System that is fully compatible with the applications / software being used by PSA</p> <p>Given that you do not want to mention any brand, is it safe to assume that all Operating Systems were tested by PSA and were proven to be fully compatible with the applications / software being used by the agency?</p>	Please refer to BB4-20

		If NO, how will we know if the OS we are offering is compatible to your apps/systems?	
BB4-111	Page 93 Section VII. Technical Specifications Laptop with anti-theft lock	1) What is the reason behind the SSD + HDD requirement? 2) If it is because of storage and no other reason, will you allow 1 x 2TB HDD instead (no more SSD)? This has a significant impact on costs plus you will have more onboard storage compared to having a 1 x 128GB SSD.	Please refer to BB4-95.
BB4-112	Page 93 Section VII. Technical Specifications Laptop with anti-theft lock	Screen Size: 15.6 inches, Full HD Can you consider a 14" screen size for this requirement?	Please refer to BB4-16 for external monitor and BB4-27 for laptop screen size.
BB4-113	Page 93 Section VII. Technical Specifications Laptop with anti-theft lock	Battery: 6 hours of continuous usage during registration Unfortunately, we have no data on the power consumption of all the devices connected to the laptop during the registration process. Hence, we have no accurate way to measure if the laptop can or cannot last up to 6 hours with all those devices attached. Please allow us to suggest for this requirement to be revised to "6 hours based on benchmarking".	Please refer to BB4-10.
BB4-114	Page 93 Section VII. Technical Specifications	Notebooks today only have a maximum of 3 x USB Type-A ports (most only have two) because of the slimmer and lighter designs. Type-A ports are now slowly being	Bidder proposals which includes external USB hubs having USB 2.0 or 3.0 ports or higher is acceptable providing that the peripherals connected to it is working properly. Such accessory must fit within the Carrying Case.

	Laptop with anti-theft lock	<p>replaced with Type-C (newer technology).</p> <p>1) Will you be allowing USB Type-C as part of the 8 x USB ports requirement?</p> <p>2) If not, can you relax the requirement to a total of seven (7) USB ports instead regardless if the port is built-in or on the USB hub?</p>	
BB4-115	<p>Page 93</p> <p>Section VII. Technical Specifications</p> <p>Laptop with anti-theft lock</p>	<p>Touchpad: Minimum 4.1 x 2.5 inches wide Touchpad below keyboard</p> <p>The actual measurements of the Touchpad may be leaning towards a specific brand. Could you please revise this to "Touchpad below keyboard" instead?</p>	<p>Specification for touchpad is revised as:</p> <p>"Touchpad below keyboard (no minimum size)"</p>
BB4-116	<p>Page 89</p> <p>Section VI. Schedule of Requirements</p>	<p>What is the timetable for deployment of the IT Personnel? Will PSA expect that IT Personnel will be in the regional office on or before delivery of the goods?</p>	<p>Please refer to BB2-14</p>
BB4-117	<p>Page 89</p> <p>Section VI. Schedule of Requirements</p>	<p>What is the schedule of deployment of the units? Who gets the units first and the order?</p>	<p>Please refer to BB4-1 for the delivery schedule.</p>
BB4-118	<p>Page 84</p> <p>Section IV. Special Conditions of Contract</p> <p>Clause 16.1</p>	<p>What is the number of sample Kits are required?</p>	<p>Please refer to BB4-5.</p>
BB4-119	<p>Page 97-108</p> <p>Section VII. Technical Specifications</p> <p>SLA</p>	<p>What are the liability guidelines if the Kit equipment damage was done by the end user?</p>	<p>Please refer to Section IV, Clause 21 and Section IV, Clause 17, and Section V, Clause 6.2.</p> <p>Please refer also to SLA 6.14</p>
BB4-120	<p>Page 93</p>	<p>What is the base frequency for "any 8th Gen mobile</p>	<p>Please refer to BB4-18</p>

	Section VII. Technical Specifications Laptop with anti-theft lock	processors 3.10 GHz", may we request if the spec are to be adjusted to fit Core i3 8145U Min. 2.10 Max of 3.90Ghz (Dual Core) or if it will not be accepted, Core i5 8265U Min. 1.60Ghz, Max 3.90Ghz (Quad Core).	
BB4-121	Page 11 Section I. Invitation to Bid No. 8	May we request for a 2-week postponement since most, if not all, bidders will have a foreign partner and authentication plus translation of their documents with the Philippine Embassies abroad takes time. Also, since the availability of the Client Registration software will only be available by June as mentioned during the pre-bid and cannot be tested yet by interested bidders.	Please refer to BB4-2
BB4-122	Page 28 Section II. Instruction to Bidders Clause 12(ii.7) & (iii)	Please confirm if a copy of the Contract for the SLCC is required or a Statement of SLCC bearing all the required details will suffice plus the end user's acceptance. Please confirm if the reckoning date for the SLCC is based on (a) date awarded; (b) date completed; (c) both. Will PSA allow 15-year SLCC due to high value contract required?	The bidder is not required to submit a copy of the contract for the SLCC. A statement of the SLCC with the following information is required: a. name of contract, b. date of the contract; c. contract duration; d. owner's name and address; e. kinds of goods; f. amount of completed contracts g. date of delivery; and h. end user's acceptance or official receipt(s) issued for the contract, if completed; The bidder's SLCC similar to the contract to be bid should have been completed within ten (10) years prior to the deadline for the submission and receipt of bids. Reckoning date is based on date of completion of SLCC.
BB4-123	Page 28, 54 & 103	Please confirm if there is still a need to submit a statement of completed contracts on top of the statement of SLCC.	Please refer to BB4-62.

	<p>Section II. Instruction to Bidders</p> <p>Clause 12.1(a)(ii)</p> <p>Section III. Bid Data Sheet</p> <p>Clause 12.1(a)(ii)</p> <p>Section VIII. Bidding Forms</p> <p>Checklist of Eligibility Requirements No. 2</p>	<p>Reason: there is no mention of the Statement of Completed Contracts in the ITB and BDS but only in the Checklist of Eligibility Requirements.</p> <p>If Statement of Completed Contracts is required, please confirm if only one member of the JV's required to submit this statement and not both.</p>	
BB4-124	<p>Page 65</p> <p>Section IV. General Conditions of Contract</p> <p>Clause 11 & 12</p>	<p>Please confirm if progress payment of 65% is based on complete delivery of 5,000 kits or based on the staggered delivery schedule (500 in July 2,000 in August and 2,500 in Dec)</p> <p>Please confirm if taxes are as follows: (a) VAT of 12%; (b) Government tax of 5%; and (c) Municipal tax of 1%.</p>	<p>Please refer to BB4-3 for partial payments.</p> <p>Please refer to BB4-7 for bidders' responsibility on taxes and fees.</p>
BB4-125	<p>Page 89</p> <p>Section VI. Schedule of Requirements</p>	<p>As items to be delivered, specially the laptops, are customized, may we request that the 1st delivery of 500 units be moved to 60 days upon Notice to Proceed, 2nd delivery of 2,000 to end of August and retain the 2,500 in December.</p>	<p>Please refer to BB4-1 for delivery schedule.</p>
BB4-126	<p>Page 93</p> <p>Section VII. Technical Specifications</p>	<p>Please confirm if only "Leaders" and not "Visionaries" level of the Magic Quadrant for Enterprise Desktop and Notebook based on the latest</p>	<p>Please refer to BB4-96.</p>

	Laptop with anti-theft lock	study by Gartner Inc. are compliant.	
BB4-127	Page 93 Section VII. Technical Specifications Laptop with anti-theft lock	As 8 th Gen Processor refers only to Intel, will PSA allow an AMD equivalent or higher? May we request to relax the requirement 1.8GHz base frequency since there is no available 8 th Gen Processor for Laptops with 3.1GHz base frequency?	Please refer to BB4-18.
BB4-128	Page 93 Section VII. Technical Specifications Laptop with anti-theft lock	Will PSA consider removing VGA as new laptops does not have VGA ports anymore?	For display port, bidders can submit proposals based on any type of connectors/ ports of peripheral devices to ensure compatibility. However, proposals including display port adaptors shall not be accepted.
BB4-129	Page 93 Section VII. Technical Specifications Laptop with anti-theft lock	Laptop Battery – May we request this to be reduced to 4 hours continuous usage? Reason: In the absence of the Registration Client Software and its impact to all the peripherals attached, no one will be able to certify compliance on this. Please confirm if battery is included in the 3-year warranty. Reason: Battery is considered as consumable and therefore, should not be covered by the 3-year hardware warranty.	Please refer to BB4-20.
BB4-130	Page 93 Section VII. Technical Specifications Laptop with anti-theft lock	USB Port Hub – Please confirm if a third-party brand and not the same brand as the laptop is acceptable.	Brands are not specified in the Bidding Documents. Bidders can submit proposals that are compliant with the requirements as stated in the Technical Specifications.
BB4-131	Page 93	Mouse – Please confirm if a third-party brand and not the	Brands are not specified in the Bidding Documents. Bidders can submit proposals

	Section VII. Technical Specifications Laptop with anti-theft lock	same brand as the Laptop is acceptable.	that are compliant with the requirements as stated in the Technical Specifications.
BB4- 132	Page 93 Section VII. technical Specifications Laptop with anti-theft lock	Anti-virus/Malware - Please confirm if Windows Bit Defender is considered as Anti-virus. Please confirm if the license is a (a) 1 year; (b) 3 years; or (c) 5 years.	Windows Bit defender can be considered as anti-virus application. License of the anti-virus must cover 3 years from acceptance of the Registration Kits.
BB4- 133	Page 93-97 Section VII. technical Specifications	Please confirm if a Manufacturer's Authorization Form (MAF) should be provided as required in most hardware bidding.	Please refer to BB4-38.
BB4- 134	Page 93-94 Section VII. technical Specifications Camera including required lighting peripherals (light booth)	Tripod – Please confirm the minimum height required and if a third-party brand is acceptable. Please confirm if 3-year warranty is required for the item.	Minimum tripod height is 1.5 feet. Brands are not specified in the Bidding Documents. Bidders can submit proposals that are compliant with the requirements as stated in the Technical Specifications 3-year warranty is applicable to the Registration Kit, which includes the lighting peripherals.
BB4- 135	Page 93-94 Section VII. technical Specifications Camera including required lighting peripherals (light booth)	Please consider removing the IP54 rating as no SLR camera can comply.	Please refer to BB4-84.
BB4- 136	Page 93-94 Section VII. technical Specifications	Please clarify the power source of the 60W LED white (USB, Battery or Electricity). Please confirm if 3-year warranty is required for the item.	Please refer to BB4-86. 3-year warranty is applicable to the Registration Kit, which includes the lighting peripherals.

	Camera including required lighting peripherals (light booth)		
BB4-137	<p>Page 94-95</p> <p>Section VII. technical Specifications</p> <p>Fingerprint (4+4+2) slap capture equipment</p> <p>Iris capturing equipment</p>	Encryption – Please confirm how PSA will test the compliance of this item.	Please refer to BB4-51.
BB4-138	<p>Page 95</p> <p>Section VII. technical Specifications</p> <p>Iris Capturing Equipment</p>	Please confirm how PSA will test the compliance of this item.	Please refer to BB4-5.
BB4-139	<p>Page 96</p> <p>Section VII. technical Specifications</p> <p>Extended Portable Colored Monitor</p>	<p>As the purpose of the extended monitor is to show the Registrant's detail while being enrolled, will PSA allow a 7 to 10 inches colored monitor instead?</p> <p>Reason: this will drastically reduce the weight and size to be occupied in the carrying case, as well as less power consumption, and still do the job.</p>	Please refer to BB4-27.
BB4-140	<p>Page 96</p> <p>Section VII. technical Specifications</p> <p>Extended Portable Colored Monitor</p>	<p>Extended monitor – Will PSA remove VGA and retain HDMI only?</p> <p>Reason: most laptops does not have VGA ports anymore.</p> <p>Will PSA allow HD instead of full HD?</p>	Please refer to BB4-128.

BB4-141	<p>Page 96</p> <p>Section VII. technical Specifications</p> <p>Extended Portable Colored Monitor</p>	<p>Compatibility – Please remove the Registration Client Application.</p> <p>Reason: In the absence of the Application before the submission date, bidders will not be able to comply.</p>	Please refer to BB4-42.
BB4-142	<p>Page 96</p> <p>Section VII. technical Specifications</p> <p>Portable Monochrome Printer</p>	<p>Please confirm if the warranty is 3 years.</p> <p>Reason: Ink Tank printer's warranty is based on printed page and not number of years.</p>	3-year warranty is applicable to the Registration Kit, which includes the printer. For the ink tank refills, warranty against manufacturing defect is necessary.
BB4-143	<p>Page 96</p> <p>Section VII. technical Specifications</p> <p>Portable Monochrome Printer</p>	<p>Will PSA allow a POS printer instead?</p> <p>Reason: (a) Cost-ribbon type has longer life, more pages to print and space saving; (b) Pages printed per day – POS printed can print 10 times more daily than portable printer; (c) Consumables – one roll of receipt paper is equivalent to > 100 A4 paper.</p>	The specification remains unchanged.
BB4-144	<p>Page 97</p> <p>Section VII. technical Specifications</p> <p>Carrying Case with Battery Pack</p>	<p>Please confirm if the single lock pertains to "combination lock" or key padlock provision.</p>	Bidders have discretion on the type of lock to be provided.
BB4-145	<p>Page 97</p> <p>Section VII. technical Specifications</p> <p>Carrying Case with Battery Pack</p>	<p>Power Supply – Please confirm what peripherals will be attached.</p> <p>Reason: more equipment attached, the more power it will consume. Please consider reducing the number of hours in the absence of details.</p>	Refer to list of equipment outlined in Section VIII Technical Specifications. Any equipment NOT LISTED shall be considered out of scope.

BB4-146	<p>Page 100</p> <p>Section VII. technical Specifications</p> <p>SLA – Responsibilities of Supplier</p>	Please confirm if items to be delivered to PSA designated warehouse should be assembled already prior to delivery.	Registration Kits should be assembled prior to delivery to PSA.
BB4-147	<p>Page 100</p> <p>Section VII. technical Specifications</p> <p>SLA – Responsibilities of Supplier</p>	In order to have an accurate computation of costs, please provide the complete list of areas with the allocated quantities where training is required and deployment of onsite support for the 3-year warranty period.	Please refer to BB4-57 for indicative deployment location and BB2-15 for winning bidder's responsibility with regards to the service logistics plan.
BB4-148	<p>Page 100</p> <p>Section VII. technical Specifications</p> <p>SLA – Responsibilities of Supplier</p>	Please provide the policies and guidelines of PSA in relation to the equipment.	Policies and guidelines will be finalized with the winning bidder during kick-off/onboarding.
BB4-149	<p>Page 100</p> <p>Section VII. technical Specifications</p> <p>SLA – Responsibilities of Supplier</p>	<p>Please consider replacing "updating software license" to "as necessary" and "only upon the advice of PSA"</p> <p>Reason: new software updates might not be compatible with the Registration Client software.</p>	This is confirmed, with the qualifier that PSA should provide approval before any changes are made.
BB4-150	<p>Page 100</p> <p>Section VII. technical Specifications</p> <p>SLA – Responsibilities of Supplier</p>	Please provide the frequency of the trainings required per site.	Please refer to BB2-15.
BB4-151	<p>Page 101</p> <p>Section VII. technical Specifications</p>	Please confirm if direct hire of Technicians can be replaced with a Nationwide Service Center instead.	Please refer to BB2-14.

	SLA – Supplier Staff		
BB4-152	Page 101 Section VII. technical Specifications SLA – Supplier Staff	Please confirm if quantity of the Supplier Staff can be reduced with a Support Plan meeting the SLA requirement instead.	Bidder must comply with the supplier staff requirements. During contract implementation, the Procuring Entity may amend orders as necessary.
BB4-153	Page 101 Section VII. technical Specifications SLA – Supplier Staff	Please consider reducing the years of experience for the following: Supervisor – 3 years Trainer – 2 years Technician – 1 year	The requirements for the years of experience for the following positions are revised to: Supervisor – 5 years of cumulative experience Trainers – 3 years of cumulative experience Technician – 2 years of cumulative experience
BB4-154	Page 101 Section VII. technical Specifications SLA – Supplier Staff	Please confirm if a Technician can also be a QA Specialist in the absence of specification in the Service Level Agreement.	Please refer to BB2-14.
BB4-155	Page 102 Section VII. technical Specifications SLA – Incidental Services	Please define the support service for the provision of tools (ex. Providing extension cords, foldable table, etc.)	Bidders will be responsible for the service logistics plan to achieve the required service level targets in the draft SLA.
BB4-156	Page 102 Section VII. technical Specifications SLA – Incidental Services	Please define items included in a Command Center and Number of Command Center.	Bidders will be responsible for the service logistics plan, including the plans for the Command Center(s), to achieve the required service level targets in the draft SLA
BB4-157	Page 102-103	Please consider changing the Resolution Time based on	The requirement remains unchanged.

	Section VII. technical Specifications SLA – Service Level Targets	location (ex. NCR, Region, etc.)	
BB4-158	Page 102-103 Section VII. technical Specifications SLA – Service Level Targets	Please consider extension time of resolution if reporting falls before or after required business hours of 8am to 6pm.	The requirement remains unchanged.
BB4-159	Page 97-108 Section VII. technical Specifications SLA	Please confirm if bidders are required to reply "Comply" or "Not Comply" on each and every item of the Service Level Agreement (SLA)	No. Statement of Compliance refers to the table of technical specifications only.
BB4-160	Page 43-45 Section II. Instructions to Bidders Clause 29	Please confirm procedure for the post-qualifications.	Please refer to Section II, Clause 29.
BB4-161	Page 65 Section IV. General Conditions of Contract Clause 11.3	In GCC 11.3, it is stated that a down payment of 15% of the contract price shall be paid within 60 days from signing of the Contract. Could you please consider having the delivery schedule formulated in weeks after the reception of the down payment?	Refer to BB4-1 for delivery schedule and BB4-3 for payment schedule
BB4-162	Page 97-108 Section VII. Technical Specifications SLA	Please indicate what are the deployment locations and repartition of the kits? This is a key indicator to have a proper sizing of the managed services	Please refer to BB4-57
BB4-163	Page 96 Section VII. technical Specifications	Media used by the portable monochrome printer are "Ink tank for low cost running with 2 additional ink tanks". Are additional tanks at the charge of the bidder? If yes, what is	The additional 2 tank refills are at the charge of the bidder.

	Portable Monochrome Printer	the type and volume of documents to be printed?	
BB4-164	Page 94-95 Section VII. Technical Specifications Fingerprint (4+4+2) slap capture equipment Iris capturing equipment	There is a "Software API" compatibility clause in the technical specifications of the fingerprint and iris capturing equipment: "Compliant with the operating system and registration client application's device manager specifications to handle device discovery, streaming, capture and encryption". As the registration client is out of scope of this tender, could you please detail what are the "registration client application' device manager" specifications?	Please refer to BB4-52.
BB4-165	Page 22 Section II. Instructions to Bidders Clause 5.5	Please confirm that, in instances of a joint bid by entities proposing to enter into a joint venture, the NFCC requirement may be complied with by the aggregate NFCC of the said entities.	Please refer to BB4-28.
BB4-166	Page 55 Section III. Bid Data Sheet ITB Clause 21 & 24.1	Concerning the Submission and Opening of Bid Envelops (SOBE) on 16th of May 2019 for the project Supply, Delivery and Managed Services of Biometric Registration Kits for the Philippine Identification System (Philsys). May we respectfully request for a One (1) month extension June 16, 2019 for the said submission, this will help the bidders to have an ample time to prepare consularized documents coming in from abroad.	Please refer to BB4-2.
BB4-167	Page 93 Section VII. technical Specifications	May we clarify if we are compliant if we offer a laptop with the ff. USB config instead.	This is not compliant. The specifications for USB ports in laptop remain unchanged.

	Laptop with anti-theft lock	2x USB 3.1 Gen 1 Type A 1x USB 3.1 Type C 1x USB 2.0 Type A	
BB4-168	Page 93 Section VII. technical Specifications Laptop with anti-theft lock	<p>The description of the processor provided in the TOR was closest to a desktop PC processor.</p> <p>For third party references, you may refer to CPU benchmarking that provides charts comparing performance of CPUs designed for laptop and portable machines using thousands of Performance Test benchmark results and is updated daily</p> <p>For laptops may we recommend the following - MINIMUM 1.6 GHZ BASE FREQUENCY, 6 MB CACHE, 4 CORES</p>	Please refer to BB4-18.
BB4-169	Page 93 Section VII. technical Specifications Laptop with anti-theft lock	<p>The technical specification of the laptop has no required security feature to protect the laptop from any malicious hardware attack except for the PHYSICAL SECURITY ANTI THEFT LOCK</p> <p>The intention of the agency for this solution in generating a central identification platform for all citizens and residents of the Philippines through the use of registration kits will gather demographic data and even biometric information from each registrant.</p> <p>We highly suggest to include in the TOR that the hardware must have its own manufacturer feature for the capability and solution of protecting</p>	The requirement is for the hardware-based security feature. The Registration Client as implemented by the System Integrator, which is not part of the bid, will provide the necessary software-based security features.

		<p>the hardware from malicious attacks in firmware and malware attacks that will start from its BIOS level. These are commonly available in most of the qualified brands in this project with a negligible or close to no additional cost.</p> <p>This information are very important and sensitive data that will require data protection or in general security from all possible malicious intent or attacks.</p> <p>In addition, we recommend to also include in the TOR additional security features to protect from external attacks by requiring application isolations.</p> <p>Malware continues to pose a major threat to computer security, for individuals and businesses alike. Traditional antivirus is important, but it relies on recognizing known malware or suspicious patterns, which may not be enough to defeat new or very sophisticated malware attacks.</p>	
BB4-170	<p>Page 93</p> <p>Section VII. technical Specifications</p> <p>Laptop with anti-theft lock</p>	Is the 15.6" screen size considered as the minimum or maximum screen size?	Please refer to BB4-27.
BB4-171	<p>Page 93</p> <p>Section VII. technical Specifications</p>	Will external adapters (USB to VGA, USB to HDMI, Type-C to VGA, Type-C to HDMI) be acceptable?	Please refer to BB4-128 for display ports, BB4-114 for USB hub, and BB4-170 for USB port.

	Laptop with anti-theft lock	Option will be secured within the registration kit carrying case	
BB4-172	<p>Page 93</p> <p>Section VII. technical Specifications</p> <p>Laptop with anti-theft lock</p>	<p>Can (2 x USB 3.1 and 1 x USB Type-C USB 3.1) be acceptable in replacement to (3 x USB 3.0)</p> <p>The data transfer speed of USB 3.0 is capable of 5 gigabits per second while USB 3.1 is 10Gbps.</p> <p>Will external adapters (Type-C to USB) be acceptable?</p> <p>Option will be secured within the registration kit carrying case</p> <p>The minimum TOTAL number of required ports of the laptop is 4. If less, can the additional ports in the USB hub (example 6 x USB 3.0 Ports) be acceptable to replace the lacking port in the laptop unit?</p> <p>Which devices in the registration kit will be connected to the USB Hub?</p> <p>Which specific USB devices will connect directly to the laptop built-in USB ports? (aside from the 4-port USB hub)</p>	Please refer to BB4-128 for display ports, BB4-114 for USB hub, and BB4-170 for USB port.
BB4-173	<p>Page 96</p> <p>Section VII. Technical Specifications</p> <p>Extended Portable Colored Monitor</p>	<p>15"-19" LED screen and can fit in the carrying case.</p> <p>Can we request to consider 14" as the minimum size?</p> <p>This is in consideration of the carrying case size.</p>	Please refer to BB4-16.
BB4-174	Page 96	The latest portable monitors now use Type-C connectivity	Please refer to BB4-128.

	<p>Section VII. Technical Specifications</p> <p>Extended Portable Colored Monitor</p>	<p>for better performance, can we consider to change the requirement to VGA or HDMI or Type-C</p>	
BB4-175	<p>Page 96</p> <p>Section VII. Technical Specifications</p> <p>Extended Portable Colored Monitor</p>	<p>Should the brand of the monitor be of the same brand of the laptop?</p>	<p>Brands are not specified in the Bidding Documents. Bidders must submit proposals that are compliant with the requirements as stated in the Technical Specifications.</p>
BB4-176	<p>Page 96</p> <p>Section VII. Technical Specifications</p> <p>Technical Support</p>	<p>Additional 2 years of extended maintenance</p> <p>This additional 2 years will only cover maintenance and NOT the product warranty?</p>	<p>The additional 2 years of extended maintenance will cover only servicing.</p>
BB4-177	<p>Page 93</p> <p>Section VII. technical Specifications</p> <p>Laptop with anti-theft lock</p>	<p>Which specific build version of Windows 10 and Linux will the Registration application software work on?</p>	<p>Please refer to BB4-20.</p>
BB4-178	<p>Page 93</p> <p>Section VII. technical Specifications</p> <p>Laptop with anti-theft lock</p>	<p>What are the system requirements of the registration application software?</p> <p>This is to ensure that the laptop hardware will fully comply with the application software</p> <p>Can the BAC share the registration flow process of the PHILSYS?</p>	<p>Please refer to BB4-20 for the Registration Client compatibility with operating systems.</p> <p>The Registration Process Flow will be shared with the winning bidder during kick-off/onboarding.</p>

		This is to have a clearer understanding of the process so bidders can consider / recommend more optimal solutions that can enhance the system	
BB4-179	Page 89 Section VI. Schedule of Requirements	As stated in TOR the project will be at PSA Complex, East Avenue, Quezon City. Does this mean that the winning bidder will not deliver the units to different PSA offices or branches? This is to ensure that the delivery / deployment costs will be considered by the bidder if ever there is a requirement for multiple site delivery.	Please refer to BB4-57.
BB4-180	Page 67 Section IV. General Conditions of Contract Clause 16	Will a compliance checklist be provided? Will testing parameters be provided? What will be the timeline for post-qualification testing?	Please refer to BB4-90 and BB4-91.
BB4-181	Page 93 Section VII. technical Specifications SLA – 7.2	Skilled and knowledgeable with troubleshooting the Equipment and the Software; If the software application will be acquired directly by PSA, who will train the required staff for this project particular to the specific registration client application?	The training for Registration Client is out of scope.
BB4-182	Page 93 Section VII. technical Specifications Laptop with anti-theft lock	The Technical Specifications require at least 3x USB 3.0 and 1x USB 2.0 (or higher), among others. Can we offer 2x USB 3.1, 1x USB 3.1 Type C, and 1x USB 2.0?	Please refer to BB4-170.

BB4-183	<p>Page 93</p> <p>Section VII. technical Specifications</p> <p>Laptop with anti-theft lock</p>	<p>What is the minimum runtime of the anti-virus license?</p>	Please refer to BB4-132.
BB4-184	<p>Page 93</p> <p>Section VII. technical Specifications</p> <p>Laptop with anti-theft lock</p>	<p>Do you prefer a certain type of lock (a combination lock, or a lock with key)?</p> <p>What's the minimum length of the cable?</p> <p>Where should the cable be mounted (e.g. table, or case)?</p>	Please refer to BB4-144.
BB4-185	<p>Page 93-94</p> <p>Section VII. Technical Specifications</p> <p>Camera including required lighting peripherals (light booth)</p>	<p>Which functions of the camera would be controlled by the "registration client and operating system"?</p>	Please refer to BB4-81.
BB4-186	<p>Page 96</p> <p>Section VII. Technical Specifications</p> <p>Extended Portable Colored Monitor</p>	<p>The Technical Specifications require either a VGA or HDMI.</p> <p>Can we offer a USB-C Port including Display Port?</p>	Please refer to BB4-128.
BB4-187	<p>Page 96</p> <p>Section VII. technical Specifications</p> <p>Portable Monochrome Printer</p>	<p>The Technical Specifications require "Ink tank for low cost running with 2 additional ink tanks."</p> <p>Does this requirement mean a Continuous Ink Supply System (CISS) or do you refer to ink cartridges?</p>	Please refer to BB4-89.

		Who will shoulder the costs of the consumables for the printer?	
BB4-188	Page 101 Section VII. technical Specifications SLA – Supplier Staff	How long will the 86 QA Specialist be deployed for this project? Can the Technicians also be the QA Specialists? Can the Trainers also be the Supervisors?	Please refer to BB2-14 and BB2-15.
BB4-189	Page 105 Section VII. technical Specifications SLA – Technical Support Request Process	The SLA require the Supplier to deploy qualified personnel to the Project Site / Location to physically troubleshoot the Incident and identify the Root Cause. May we know the list of the "project site/location"? This information will have a big impact in the computation of our bid tender.	Please refer to BB4-57.
BB4-190	Page 42 Section II. Instructions to Bidders Clause 28.3	Please confirm that the bid shall be evaluated in accordance with the non-discretionary criteria stated in Section 32 of the implementing rules and regulations of Republic Act 9184 ("Procurement Law"). As such, the bidder with the lowest bid amount shall be the first bid to be subjected to post-qualification. During post qualification, if the lowest bid is determined to be responsive it shall be declared the lowest calculated responsive bid and issued the notice of award. Should the lowest bid be determined to be non-responsive, it shall forthwith be determined as such. Thereafter, the BAC shall post-qualify the second lowest bid and so on and so	Please refer to Appendix 11 of the revised IRR of RA 9184.

		<p>forth until a bid is determined to be the lowest calculated responsive bid.</p> <p>Therefore, there are no qualitative factors for evaluation of the bids in this project.</p> <p>THAT BEING SAID, IF TWO OR MORE BIDS ARE DETERMINED TO BE EQUAL IN ALL ASPECTS (INCLUDING PRICE AND RESPONSIVE WITH THE TECHNICAL REQUIREMENTS), WHAT CRITERIA SHALL THE PSA USE IN DETERMINING THE LOWEST CALCULATED RESPONSIVE BID AND ELIGIBLE FOR ISSUANCE OF THE NOTICE OF AWARD.</p>	
BB4-191	<p>Page 101</p> <p>Section VII. technical Specifications</p> <p>SLA – Supplier Staff</p>	<p>Please provide the number of how many manpower (Supervisor, Trainer, Technician, QA Specialist) is needed per region or per site based on Phase 1, 2 and 3 deployment.</p>	<p>Please refer to BB2-14.</p>
BB4-192	<p>Page 105</p> <p>Section VII. technical Specifications</p> <p>SLA – Technical Support Request Process</p>	<p>List of specific sites for Manpower deployment plan each site to manage distance and security issues to manage support SLA. Please Provide the List of sites inclusion for Phase 1,2 and 3 deployment.</p>	<p>Please refer to BB4-57.</p>
BB4-193	<p>Page 97-108</p> <p>Section VII. technical Specifications</p> <p>SLA</p>	<p>Will PSA cover security coordination with the respective LGUs especially on regions that has HotSpots / Flashpoints (Region 12 and ARMM/BARM etc.) that will affect Manpower and kits at risk and have SLA issues.</p>	<p>The PSA will cover the security coordination however, the winning bidder shall be responsible for the safety and security of their staff.</p>

BB4-194	<p>Page 101</p> <p>Section VII. technical Specifications</p> <p>SLA – Supplier Staff</p>	Please advise Manpower allocation for technician. Helpdesk vs Technician.	Please refer to BB2-14.
BB4-195	<p>Page 107-108</p> <p>Section VII. technical Specifications</p> <p>SLA – Penalties or Rebates</p>	Please specify the payment schedule to assess the Penalty on the SLA V\$.	Please refer to BB4-60.
BB4-196	<p>Page 93</p> <p>Section VII. technical Specifications</p> <p>Laptop with anti-theft lock</p>	Request to modify the 8th Generation Processor Term to a standard form "Processor" because its limiting to Intel core family processors/chipset only because 8th Generation Processor is Intel's Product Portfolio.	Please refer to BB4-18.
BB4-197	<p>Page 100-101</p> <p>Section VII. technical Specifications</p> <p>SLA – Responsibilities of Supplier</p>	<p>When will the compatibility checking for Registration application and Registration kits be done?</p> <p>Technically, in order for the registration application to work, it needs to use the corresponding SDK, Libraries etc. of the hardware peripherals installed in the registration kits. Was this considered the development phase of registration application?</p> <p>Is the registration application web based or desktop based?</p> <p>Security features of registration kit?</p>	Please refer to BB4-5.
BB4-198	Page 94-95	How will PSA accept or what will be the test approach to determine if the hardware such as IRIS and Fingerprint	Please refer to BB4-90 and BB4-91.

	Section VII. Technical Specifications Fingerprint (4+4+2) slap capture equipment Iris capturing equipment	scanners passes the humidity and operating temperature requirement?	
BB4- 199	Page 96-97 Section VII. technical Specifications Carrying Case with Battery Pack	The kit will only be like a carrying case w/ battery pack that stores all equipment or is it the whole registration kit fully integrated in one compartment? Is there any weight and size limit of the registration kit? IP requirement -e.g. IP68 or IP67	Please refer to BB4-12 for carrying case and BB4-22 for fully integrated in one compartment. Please refer to BB4-15 for the weight limit and BB4-13 for IP rating.
BB4- 200	Page 97-108 Section VII. technical Specifications SLA	Please confirm if support scope will only be limited to Hardware support and not to include support related to Network, Software and Resources.	Please refer to BB2-16.
BB4- 201	Page 101 Section VII. technical Specifications SLA – Supplier Staff	How will the core competencies be validated? Will PSA conduct interview for each candidate submitted by supplier?	Please refer to BB2-13. The PSA, as part of the post-qualification process, may conduct interviews and accept/reject candidates at its own discretion. This will be coordinated with the LCB bidder.
BB4- 202	Page 102-104 Section VII. technical Specifications SLA – Incidental Services 8.1	Please identify the 17 regions for the deployment of equipment	Please refer to the 17 PSA regional offices and 86 PSA provincial/district offices address at https://psa.gov.ph/directory/national-capital-region
BB4- 203	Page 53	Since the project ABC is Php1.5B, can you consider 2 Single Largest Completed	Please refer to BB4-66.

	Section III. Bid Data Sheet Clause 5.4	Contract (SLCC) instead of just 1 SLCC?	
BB4-204	Page 28 Section II. Instructions to Bidders Clause 12.1(a)(iii)	What form of authentication is needed (example: cover letter with specific wordings, or have the Line of Credit be a certified as a true copy, or other approach/form)? Are there prescribed wordings needed to be reflected in the authentication/confirmation?	Please refer to BB4-45.
BB4-205	Page 97 Section VII. technical Specifications Technical Support	The Technical Specifications require an additional two years of extended maintenance. What is the coverage of the extended maintenance? How many technical support personnel will be required by PSA during the extended maintenance?	Please refer to BB4-74.
BB4-206	Page 81 Section V. Special Conditions of Contract Spare Parts	The SCC provides that the "spare parts required are listed in Schedule of Requirements and the costs thereof are included in the Contract Price." Similarly, the SLA (p. 105) provides that the "Supplier shall ensure that consumable spare parts shall be available for a period of three (3) years from the time of the delivery of Equipment." What are these required spare parts?	Bidder is responsible for the service logistics plan to comply with the SLA requirements.
BB4-207	Page 101 Section VII. technical Specifications SLA – Supplier Staff	List of specific sites for Manpower deployment plan each site to manage distance and security issues to manage support SLA. Please Provide the List of sites inclusion for Phase 1,2 and 3 deployment.	Please refer to BB2-14 for personnel, BB2-15 for training, and BB4-57 for location.

BB4-208	<p>Page 101</p> <p>Section VII. technical Specifications</p> <p>SLA – Supplier Staff</p>	<p>Please provide the number of how many manpower (Supervisor, Trainer, Technician, QA Specialist) is needed per region or per site based on Phase 1, 2 and 3 deployment.</p>	<p>Please refer to BB2-14 for personnel, BB2-15 for training, and BB4-57 for location.</p>
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Annex A: Revised Technical Specifications

Specifications	Bidder's Proposed Specifications		Statement of Compliance
Supply, Delivery and Managed Services of Registration Kits for Philippine Identification System (PhilSys)			
5000 sets of Laptop Type Biometric Registration Kits			
Laptop with anti-theft lock	Processor	Latest generation processor, minimum 1.6Ghz base frequency 6Mb cache 4 physical cores or other equivalent alternatives.	
	RAM	8GB DDR4	
	OS	Latest 64-bit operating system that is fully compatible with the applications / software being used by PSA	
	Storage	<ul style="list-style-type: none">128 GB SSD (PCIe); andMinimum 1 TB internal HDD, SATA InterfaceWith hard drive retention option (customer keeps the HDD if it gets broken and replaced for data confidentiality)	
	Screen Size	14-15.6 inches, full HD	
	Display	One VGA or HDMI port to attach a second monitor	
	Battery	6 hours of continuous usage during registration	
	Network Connectivity	Ethernet RJ45; and Wi-Fi (IEEE 802.11 b/g/n)	
	USB Ports	<ul style="list-style-type: none">3 USB 3.0,1 USB 2.0 (or higher), andAdditional USB hub with 4 USB 3.0 ports	
	Mouse	<ul style="list-style-type: none">1 wired mouse	
	Touchpad	Touchpad below keyboard (no minimum size).	
	Anti-Virus/ Malware	Pre-installed with latest updates and availability to update virus definitions. License of the anti-virus must cover 3 years from acceptance of the Registration Kits.	
	Accessory	Charging cable	
HD Webcam or DSLR Camera including required lighting peripherals (light booth)	Specifications		
	Capture Mode	Plain live capture	
	Image Quality	Full Frontal (0x01) as per ISO/IEC 19794-5 in jpeg2000 format and compliant with ICAO 9303 standards	
	Minimum resolution	1080 Pixels at 2.8 mm with 110 degree view	
	Capture Mode	Manual capture with auto focus and auto lighting adjustment	
	Sensor	>10 mega pixel native	
	Connectivity	High Speed USB 2.0 or higher, USB-IF supported	

Annex A: Revised Technical Specifications

Fingerprint (4+4+2) slap capture equipment	Lens	Fixed HD Webcam (1080p) OR Digital Single Lens Reflex, either of which must be capable of taking ICAO standards-compliant facial images.	
	Skin Tone	All	
	Operation Temperature	-30 C to +50 C	
	EMC compliance	FCC Class A or equivalent	
	Power	USB / Independent Power Source / Lithium Ion batteries	
	Mounting	Tripod, minimum height is 1.5ft extendable up to 4ft	
	Software API	Compliant with registration client and operating system	
	Light Booth Specifications		
	Size	3(W) x 4(H) ft, Stand/wall mountable	
	Backdrop Color	White, compliant with ICAO standard	
	Non-reflecting	Yes	
	Opaque	Yes	
	Retractable	Yes	
	Light	60W clear white light, or its LED light equivalent, with stand and on/off switch near the operator.	
	Capture Mode	Must include SDK (Software Development Kit) for Plain live scan capture, Auto capture with built-in quality check (NFIQ – NIST Fingerprint Image Quality), slap segmentation and sequence detection. Automatic left-right hand and two-thumb-detection. The scanner must feature a mechanism to detect fake fingers (bidder to elaborate on the proposed solution)	
	Extractor Quality	MINEX compliance Number of Minutiae generated by extractor to be in conformance to ISO Specification. Tested for at least 12 Minutiae points generated under test conditions;	
	FRR	< 2% FRR in respective country	
	FAR	0.01%	
	Image quality	ISO 19794-4 and ISO 19794-2	
	ESD	>= 8kv	
	EMC compliance	FCC class A or equivalent	
	Liveness detection	As per IEEE 2790	
	Standards	FBI Appendix F Certified; and Compliant with ISO/IEC 19794-4:2011	
	Scan resolution	> 500 dpi/ppi. Bare minimum recommended. Higher densities are preferred.	

Annex A: Revised Technical Specifications

	Output Image format	JPEG2000 or WSQ (1:15 compression)	
	Image evaluation frame rate	>3 frames/sec; continuous image capture	
	Capture area	>76mm x 80mm	
	Encryption	Support for encryption using factory loaded unique digital certificates	
	Connectivity	USB 2.0 or higher, USB-IF	
	Power	USB	
	Durability/ Shock	IP 54	
	Humidity	10-90% non-condensing	
	Operating Temperature	0 – 50 °C	
	Software API	Compliant with the operating system and registration client application's device manager specifications to handle device discovery, streaming, capture and encryption.	
Iris capturing equipment	Viewfinder	Internal with capture distance >50mm, capture volume (w/h/d) > 20x15x12 mm and exposure time <33ms	
	Iris Diameter	As per ISO 19794-6:2011 medium and higher quality images are only acceptable,. Hence for this Standard, minimum acceptable Iris diameter will be 150 pixels	
	Rotation angle	Before compression, Iris image will have to be pre-processed to calculate rotation angle. Refer section 6.3.1 of ISO 19794-6:2011 for rotation angle calculation for rectilinear images.	
	Rotation Uncertainty	Refer ISO 19794-6:2011	
	Illumination	The eye should be illuminated using infrared or any other source that could produce high quality grayscale image.	
	Format	Lossless JPEG 2000 with CBEFF ISO 19794-6	
	Aspect Ratio	1:1	
	Image Quality	76-100	
	EMC Compliance	FCC Class A or equivalent	
	Spatial Resolution Pixel Resolution	>60% @ 4.0 Lp/mm >16 Pixels/mm	
	Image evaluation frame rate	5 frames/sec, continuous capture	
	Imaging wavelength	700-900 nm	

Annex A: Revised Technical Specifications

	Number of simultaneous captured eyes	2 (two)	
	Capture Mode	Auto capture with configurable and built-in quality check (incorporates NIST quality considerations)	
	Color and Pixel depth	The iris images shall be captured and stored in grey scale with pixel depth of 8 bits/pixel.	
	Image margin	50% left and right of Iris diameter 25% top and bottom of Iris diameter.	
	Scan type	Progressive	
	Sensor SNR	>36db	
	Standards	ISO/IEC 19794-6 (output iris image) ISO/IEC 29794-6 (quality of the image) FCC Class A RoHS Exempt Group as per IEC 62471:2006-07 (eye safety)	
	Encryption	Support for encryption using factory loaded unique digital certificates	
	Connectivity	USB 2.0 or higher, USB-IF certified	
	Durability/ Shock	IP 54	
	Humidity	10-90% non-condensing	
	Operating Temperature	-30 C to +50 C	
	Software API	Compliant with the operating system and registration client application's device manager specifications to handle device discovery, streaming, capture and encryption.	
Extended Portable Colored Monitor	Type	Color	
	Size	13-16 inch LED screen and can fit in the carrying case	
	Resolution	16:9 aspect ratio, 1080p, full HD	
	Input	VGA or HDMI	
	Compatibility	Registration client application and the operating system of the laptop	
Portable Monochrome Printer	Resolution	600 x 600 dpi	
	Paper size	A4	
	PPM – Black (A4)	>8 ppm	
	Duty cycle	5000 pages	
	Media used	Ink tank for low cost running with additional 2 ink tank refills of 150 ml	
	Monochrome	Yes (Black)	
	Connectivity	USB	

Annex A: Revised Technical Specifications

	Compatibility	Operating system of the laptop	
Portable Document Camera Scanner	Image Sensor	Minimum CMOS of 5 mega pixels.	
	Scan Resolution	300 dpi	
	Scan Size	Can support documents with sizes smaller than A4, A4, and legal size	
	Focus Mode	Manual Focus	
	Light	LED supplement light	
	Connectivity	USB 2.0 or higher, USB-IF certified	
	Scan Speed	1s	
	Compatibility	Operating system of the laptop	
Carrying Case with battery pack	Size	Should accommodate: <ul style="list-style-type: none"> - Laptop - Wired mouse - Fingerprint slap and iris scanner - Camera - Printer - Extended monitor - Document Scanner - Battery pack All cables (Power, USB, others)	
	Usability	<ul style="list-style-type: none"> - Lightweight with telescopic handle and rugged wheels The kit must have integrated solution which means that components, electronics, power systems and cable harnesses will be embedded into the case. Registration operation may be performed directly within or outside the case.	
	Safety	Single lock	
	Protection	Inside of case must be lined with high density foam to prevent any damage to equipment during transportation	
	Operating Temperature	10-50 °C with adequate ventilation	
	Durability/ Shock	IP 56 and IK10 impact resistant	
	Weight	Total Aggregate Weight: The total aggregate dead weight for the carrying case inclusive of all the necessary components shall not exceed 25 kilograms (Kg).	
	Power Supply (battery pack)	Allows for a minimum of 8 hours continuous use. Can accommodate direct power and re-charging from car batteries, main power or generator power. Recharging from stable main power source shall not exceed a maximum of four (4) hours. Adaptors and extension cables with surge protection must be included with the kit.	
Technical Support	Warranty Support	3 years of onsite warranty support including onsite repair and replacement, if necessary	

A

Annex A: Revised Technical Specifications

	Maintenance	Additional 2 years of extended maintenance	
	Scope	All parts including the devices, wires, casing, software, anti-virus engine, drivers and mountings that constitute the registration kit.	
	Helpdesk	<ul style="list-style-type: none"> • Provision of a Toll-free number accessible through all telecom networks available in the country. • Provision of a support email Id 	
	Response time	Acknowledgement from technical support helpdesk within 30 minutes of submission of complaints/ feedback through phone and email channels	
	Language	<ul style="list-style-type: none"> • Support staff must be able to communicate, oral and writing, in both English and Filipino. 	
	Support hours	8.00 am – 6.00 pm, Monday to Saturday. Public holidays are excluded	