



REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF TRANSPORTATION  
MARITIME INDUSTRY AUTHORITY

**TERMS OF REFERENCE (TOR)**

**PROCUREMENT OF 176,200 PCS OF SEAFARERS' IDENTITY DOCUMENT (SID) BLANK CARDS AND CONSUMABLES FOR 2024**

**1. BACKGROUND**

The Seafarers' Identity Document (SID) and Seafarers' Record Book (SRB) project was implemented by the Maritime Industry Authority (MARINA) on 08 July 2019 in accordance with the Seafarers' Identity Documents Convention (Revised), 2003 (No. 185) of the International Labour Organization (ILO), which was ratified by the Philippines on 19 January 2012. Article 2, paragraph 1 of the said Convention requires that each Member of the ILO, for which the Convention is in force, shall issue to each of its nationals, who is a seafarer and makes an application to that effect, a seafarers' identity document. Thus, it is incumbent upon MARINA to ensure availability of SID blank cards and corresponding consumables needed for the continuing issuance of the said document to Filipino nationals applying for it.

**2. SCOPE OF THE PROCUREMENT**

The MARINA intends to procure the following SID Blank Cards and consumables for the issuance of SIDs:

1. Pre-printed Blank Card with Chip
2. SID Clear laminates and Holographic
3. FARGO DTC5500 LMX Ribbon
4. SID Printerhead for FARGO DTC5500 LMX printers
5. JURA ICI Security Feature License for pre-printed SID Blank Card with chip
6. Photometrix Secure Facial Code License

The procurement is in accordance with Section 50(c) of Republic Act No. 9184 otherwise known as the "Government Procurement Reform Act" and its Revised Implementing Rules and Regulations (IRR), which provides that **Direct Contracting** may be resorted to for those goods sold by an exclusive dealer or manufacturer, which does not have sub-dealers selling at lower prices and for which no suitable substitute can be obtained at more advantageous terms to the Government.

**3. APPROVED BUDGET FOR THE CONTRACT (ABC)**

The ABC is **Fifty Seven Million Nine Hundred Sixty Seven Thousand Five Hundred Pesos (Php 57,967,500.00)**, inclusive of VAT and other applicable government taxes, chargeable against the approved 2024 budget of MARINA. The ABC will cover the cost of 176,200 SID blank cards and consumables with the specifications as stated in Item 4 of this TOR.

**4. SPECIFICATIONS**

**4.1. CARD SPECIFICATION**

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#### 4.1.1. CARD SIZE AND THICKNESS

- Pre-printed Blank Card with Chip
- ID Size: Based on TDI Dimension in ISO/IEC 7810 for the ID-1 Type card
- 53.98 x 85.60 mm (2.13 x 3.37 in)
- Thickness: 076 mm

#### 4.1.2. CARD MATERIALS

Must have one (1) contactless chip, serial number, and barcode that will work on the existing Inventory tracking system and personalization system of the MDS, MARINA, which has the following properties:

- 5-layers of PVC overlays, PET Cores, PET Inlay
- Contains one (1) contactless Integrated Circuit with a data storage capacity of at least 32 kilobytes NVM or EEPROM user memory, encoded and digitally signed
- The security certification should be CC EAL 4+ or higher for hardware (chip) against Protection Profile acknowledged by CCRA
- Secured triple-DES coprocessor
- ISO/IEC 14443 A/B contactless interface unit (CIU)
- NVM or EEPROM memory. EEPROM memory with typical endurance of 100,000 cycles: long term memory for minimum retention time of 15 years
- Command set compliant to ISO/IEC 7816-4
- OS applications compatible to ICAO documents 9303 (LDS, BAC)
- Module thickness strictly 250 microns maximum
- PET inlay
- Chip is compliant and compatible for encoding of SID Convention (Revised), 2003 (No. 185) compliant Data
- With guilloche pattern/design in the pre-printed card. Guilloche background, produced using artwork securitization software used in the high security documents (e.g. banknotes and passports). Strictly following the current design.
- Must use color-shifting ink (shifts from one color to another by tilting the ID) of at least 0.25m square inch on the "Chip inside" symbol, strictly following the current design.
- Background microprinting smaller than 0.25 mm/0.7 pica points following the current design
- Invisible image on background using UV (ultra violet) ink following the current design
- Includes a pre-printed card inventory barcode compatible to the SID-SRB inventory system of MARINA
- Should be compatible with MARINA's Fargo DTC5500 LMX, Dual Side Printer with two Material Lamination Module and current Personalization Software
- The Manufacturer must be an ISO 14298 or Master/Visa Card certified.
- For security reason, the blank card must be printed/produced inside a highly secured card production facility in the Philippines.

## 4.2. SECURE SID CARD HOLOGRAPHIC AND CLEAR LAMINATES AND SID CARD PRINTER RIBBONS

### 4.2.1. Secure SID Card Holographic and Clear Laminates

- The secure laminates must be produced by a reputable holographic security label manufacturer who is a bearer of valid certifications, to ensure the highest international recognition and security, as follows:
  - ISO 14298 (Management for Security Printing Processes); and
  - International Hologram Manufacturer Association (IHMA) membership for not less than five (5) years.
- The laminates must be compatible with the current SID Card Printers (Fargo DTC5500 LMX, Dual Side Printer with Two Material Lamination Module) and SID-SRB Personalization Software of the MDS, MARINA.
- Must have dual side laminations with holographic gratings on the front side and clear laminate on the back.
- Each laminate roll must include a pre-printed card inventory barcode compatible with the current MDS, MARINA SID-SRB Inventory and Personalization system.
- Holographic laminates must also have the following security features

#### 1st Level Authentication

- Gradual Iridescent Morphing of the MARINA "rainbow" logo image;
- Colorful Diffractive Image of the PH emblem and text when tilted top/bottom;
- MARINA logo appears in bright achromatic color and shows positive to negative effect upon vertical tilt;
- The boat bar appears from top to middle view in white color, rendering a slight embossing effect;
- When laminate is tilted left to right and observed around top view, white diffractive lines show kinetic animation;
- When laminate is tilted left to right and observed around bottom view, diffractive lines show kinetic animation.

#### 2nd Level Authentication

- At closer examination of the MARINA logo on the laminate, the vertical achromatic switch can be observed upon 180 degrees rotation;
- High diffractive micro-lettering elements, readable with a magnifier(x10).

#### 3rd Level Authentication

- Very high-definition nano-texts pattern for forensic inspection
- ( > x 100 microscope )
- Roll configuration –
  - Quantity of patches per roll: 500 patches
  - Foil width: 84.1 +/- 0.15 mm
  - Final size hologram: 84.1 x 52.4 mm
  - No Leader/ No Trailer

- **Laminate Packaging –**

Each set of holographic and clear roll of laminates must be sufficient for laminating not less than 500 SID Printed Cards and identified with labels, as defined below:

Product name

- Article number
- Production Batch Number
- Date of manufacturing/shipping
- Quantity of laminates in the roll
- Barcode including batch number must be readable by the current inventory system of MDS, MARINA

- **Roll and Box Packaging –**

Each roll must be placed inside a sealed box with dimension of 11 x 7 x 7.5cm for protection against water or dust. Each box must have its unique inventory barcode, readable by the current inventory system of MDS, MARINA.

- **Shelf / Storage Life –**

The laminates must have a guaranteed shelf/storage life of not less than 12 months from the delivery date to MARINA and must be in its original packaging.

#### 4.2.2. SID Card Printer Ribbon

- The SID card printer ribbon must work and be compatible with the current MDS, MARINA SID card printer and personalization system (Fargo DTC5500 LMX, Dual Side Printer with Two Material Lamination Module).
- Each roll of SID card printer ribbon must be sufficient for printing not less than 425 SID Cards (back-to-back colored printing).
- Ribbon Inventory Barcode –  
Each roll of SID card printer ribbon must be identified with an inventory barcode which is pre-printed and compatible with the existing SID inventory and personalization system of MDS, MARINA.
- Shelf / Storage Life –

The ribbons must have a guaranteed shelf/storage life of not less than 12 months from date of delivery to MARINA and must be in its original packaging.

#### 4.2.3. SID Printerhead

- The printerhead must be compatible with Fargo DTC5500 LMX SID printer; and
- Must use pigmented inks for all the colors for longer print life

### 5. DELIVERABLES

Item Description	Unit	Quantity	Price (Php)	Total Price/Cost
Pre-printed Blank Card with Chip	pc	176,200 pcs	195.00	34,359,000.00

SURYS Secure SID Card Laminates (Holographic & Clear) (1 roll x 500 cards)	roll	357 rolls of SID Clear laminates and 357 rolls of Holographic	29,125.00	10,397,625.00
FARGO DTC5500 LMX Ribbon (1 roll x 425 cards)	roll	420 rolls of ribbons	16,468.75	6,916,875.00
SID Printerhead for FARGO DTC5500 LMX printers	pc	14 pcs	72,000.00	1,008,000.00
JURA ICI Security Feature License	pc	for 176,200 SID blank cards	10.00	1,762,000.00
PHOTOMETRIX Secure Facial Code License	pc	for 176,200 SID blank cards	20.00	3,524,000.00
<b>Total Price (VAT Inclusive)</b>				<b>57,967,500.00</b>

## 6. TERMS AND CONDITIONS OF THE CONTRACT

- 6.1. The supplier must meet the specifications and description of the SID Cards and consumables prescribed in section 4 of this TOR.
- 6.2. The price quotation submitted by the supplier shall be considered as fixed prices and not subject to price escalation during contract implementation.
- 6.3. Payment shall be made in accordance with the terms as specified in Section 8 of this TOR.
- 6.4. Deliveries of the pre-printed SID blank cards and consumables shall be subject to inspection and acceptance by end user in coordination with the General Services Division (GSD) of the Management, Finance and Administrative Service, MARINA.
- 6.5. The supplier shall provide a warranty period of one (1) year for the replacement of defective SID blank cards and consumables at no cost to MARINA, reckoned from the date of delivery of such cards and consumables.
- 6.6. A warranty security or retention money in an amount equivalent to one percent (1%) of every progress payment pursuant to Section 62 of the Revised IRR of RA 9184 shall be required from the contract awardee for a period of three (3) months after the date of acceptance of deliveries by the end user, in order to assure that any manufacturing defects shall be corrected by the supplier.
- 6.7. The contract awardee must submit Certification from the Manufacturer that the business is an ISO 14298 or Master/Visa Card Certified.

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**7. PERIOD OF DELIVERY**

The following are the schedule of delivery:

Delivery	Period	Quantity
Full Delivery	<p>Within 10 months after receipt of Notice to Proceed (NTP).</p> <p>Staggered deliveries are allowed within the prescribed period.</p>	<p>SID blank cards:</p> <ul style="list-style-type: none"> <li>• 176,200 pcs of Pre-printed SID Blank Card with chip</li> </ul> <p>Consumables:</p> <ul style="list-style-type: none"> <li>• 357 rolls of SID Clear laminates and 357 rolls of Holographic</li> <li>• 420 rolls of FARGO DTC5500 LMX Ribbon</li> <li>• 14 pcs of SID Printerhead for FARGO DTC5500 LMX printers</li> <li>• JURA ICI Security Feature License for 176,200 SID blank cards</li> <li>• PHOTOMETRIX Secure Facial Code License for 176,200 SID blank cards</li> </ul>

**8. TERMS OF PAYMENT**

Progress payment shall be made thirty (30) days from the date of delivery and acceptance by the MARINA.

Prepared by:



12/19/23

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APPROVED / DISAPPROVED:



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