REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF TRANSPORTATION
MARITIME INDUSTRY AUTHORITY

TECHNICAL SPECIFICATIONS

Project Description	SEAFARER'S IDENTITY DOCUMENT (SID) PRINTERS AND SEAFARER'S RECORDBOOK (SRB) PRINTERS
Approved Budget of the Contract	The Approved Budget for the Contract (ABC) for the said project is **Seven Million Pesos (Php 7,000,000.00)** inclusive of VAT and other applicable government taxes, chargeable against the approved budget of MARINA for 2025.
Specifications/ Deliverables	**1. MARINA SID Printer with Laminator:** **Below are the minimum specifications of the Six (6) Units of Direct-to-Card Printer with Laminator (HID Fargo DTC5500 LMX) to be procured:**

Compatibility	Fully compatible to the current MARINA SID Personalization system; Works with the current consumables used by MARINA;
Print Method	Dye sublimation / resin thermal transfer
Resolution	300 dpi (11.8 dots/mm) continuous tone
Colors	Up to 16.7 million / 256 shades per pixel
Print Speed	6 seconds per card (K*); 16 seconds per card (YMCKO*); 24 seconds per card (YMCKOK*)
Security Features	Password–protected printer operation or resin scramble data protection or fluorescent panel printing
Accepted Standard Card Sizes	CR-80 (3.375″ L x 2.125″ W / 85.6 mm L x 54 mm W) and is compatible to the current MARINA Seafarer's ID (SID) blank card
Print Area	CR-80 edge-to-edge (3.370″ L x 2.125″ W / 85.6 mm L x 54 mm W)
Accepted Card Thickness	Print / lamination: .030″(30 mil) - .040″ (40 mil) / .762 mm - 1.02 mm and is compatible to the current MARINA SID blank card
Accepted Card Types	PVC, PET, or Composite with polished PVC finish; monochrome resin required for 100% polyester cards and is compatible to the current MARINA SID blank card
Input Hopper Card Capacity	Dual-input card hopper (200 cards)
Output Hopper Card Capacity	Up to 100 cards. (.030" / .762 mm)
Card Cleaning	Card cleaning roller integrated into ribbon cartridge; cleaning roller is automatically replaced with each ribbon change

Memory	128 MB RAM
Software Drivers	Windows® 7 / 10 / 11 / Server 2012 / Server 2016 / Server 2019 / Server 2022
Interface	USB 2.0 and Ethernet with internal print server (IPv4- and IPv6-compatible; with support for SNMPv3) Note: IPv6 only compatible with Windows 10
Operating Temperature	65° to 90° F / 18° to 32° C
Humidity	20–80% non-condensing
Agency Listings	Safety: UL 60950-2, CSA C22.2 (60950-07), and CE; EMC: FCC Class A, CE (EN 55022 Class A, EN 55024), CCC, BSMI, KCC
Supply Voltage	120-240Vac, 50-60Hz, 1.6 Amps max.
Supply Frequency	50 Hz / 60 Hz
Supported Access Control Credential Programming	iCLASS® Std/SE/SR/Seos, MIFARE Classic™, MIFARE DESFire® EV1, HID Prox, or equivalent
Chip Encoding Capability	Can support the current smart card encoder and is compatible to the current MARINA SID personalization module
Warranty	Three (3) years on parts and service

2. **MARINA SRB Printers:**

Below are the minimum specifications of the Three (3) Units of Booklet Printer (<u>Surys HiPrint P4000</u>) to be procured:

Compatibility	Fully compatible to the current MARINA SRB Personalization system; Works with the current consumables used by MARINA;
Printing	Color inkjet printing, 4-color thermal inkjet printing head, 4 800 dpi, Ink cartridges: C, M, Y Pigmented ink, K pigmented ink (infra-red reflective) Ink cartridge capacity: 5000 to 8000 booklets
Vision & Illumination	Integrated 2Mpixel digital camera Software driven illumination LED bar: White, Red, Green, Blue, UV-Blue, Infra-Red
Performance	One-pass personalization process: Page 2 printing: up to 180 booklets per hour
Media	ICAO 9303 paper booklets, page size from 124.8mm to 125.2mm, from 24 up to 96 pages
Operation	Front operated, manual open booklet insertion and retrieval Multi-lingual LCD to monitor printer's messages and ink level
Computer requirements	USB 2.0, Windows 7 & Windows 10, 32 & 64 bits, from i5 processor, RAM 8GB, HD 1TB
Software Development Kit (SDK)	Supplied with printer's software & documentation kit compatible with the current MARINA SID-SRB Personalization Software

	Main characteristics	100-220 VAC 50/60Hz
	Warranty	Three (3) years on parts and service

Delivery Terms *(to be determined by the End-User)*	120 Days from the receipt of Notice to Proceed To be Delivered / Installed at: 1. 2 Units of SID Printers at MARINA Central Office 2. 1 Unit of SID Printers at MARINA Regional Office IV – Batangas 3. 1 Unit of SID Printers at MARINA Regional Office VI – Iloilo 4. 1 Unit of SID Printers at MARINA Regional Office IX – Zamboanga 5. 1 Unit of SID Printers at MARINA Regional Office VII – Cebu 6. 3 Units of SRB Booklet Printers at MARINA Central Office The cost of delivery / installation to MROs and CO is at the expense of the supplier.
Other End-User Requirements *Ex. Warranty, photos of the product and other end-user requirements*	1. **As part of Post-Qualification, a "functional test" of the same model equipment to be delivered by Direct Contractor/Supplier should be conducted.** 2. Provision of a service unit with similar or higher specification in case the printer is for repair or beyond repair.
Payment Terms *(Government terms 15-30 CD)*	1. Payment shall be made within 15-30 calendar days subject to the submission of the billing statement and other supporting documents of the bidder and the issuance of a certificate of satisfactory service by MARINA 2. Payment shall be made through the list of due and demandable accounts payable with advice debit account (LDDAP-ADA); and 3. The supplier shall provide the bank account wherein payment will be credited, preferably a LandBank of the Philippines account; otherwise, the supplier shall bear the bank charges.
Documentary Requirements	**Eligibility and Technical Documentary Requirements** 1. PhilGEPS Certificate of Registration and Membership 2. Valid Mayor's/Business permit 3. Income/Business Tax Return 4. Certificate of Exclusive Distributorship from the HID Fargo Manufacturer issued to Direct Contractor/Supplier 5. Certificate of Exclusive Distributorship from the Surys Manufacturer issued to Direct Contractor/Supplier 6. Certification by the Direct Contractor/Supplier that they have Authorized Technicians of the HID Fargo and Surys products

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End-User