



JOB DESCRIPTION

POSITION TITLE:	Operational Technology Analyst
JOB REFERENCE:	OTA/2023/9
REPORTS TO:	Manager ICT Services
SECTION:	Information Systems and Digital Transformation
DEPARTMENT:	ICT Services

JOB SUMMARY

The Operational technology (OT) Analyst will be responsible for the integrity, and security of the Airport/Company OT network and systems. This role provides direction to technical staff for secure OT device connectivity and configuration, secure firmware updates, and secure integration between SCADA systems and field devices.

PRINCIPAL ACCOUNTABILITIES

- Work with the Systems Administrator and technical Systems Owner to create and maintain a complete inventory of Company/Airport OT components, comprising but not limited to edge devices, ICS and protocols below:
 - Edge devices (e.g. cameras, meters, sensors, controllers, IIoT objects, etc) forming part of IT/OT Systems like CPMS, CCTV, SACS, BMS, PMS, PAS, FAS, BHS, EDS, CXS, ETD, CTX, etc.
 - Industrial Control Systems (ICS) - Programmable Logic Controller (PLC), Supervisory Control and Data Acquisition (SCADA), Remote Terminal Unit (RTU), Human Machine Interface (HMI), etc.
 - Typical Protocols – PROFINET, PROFIBUS, Distributed Network Protocol 3 (DNP3), Modbus, Open Platform Communication (OPC), etc.
- Test, configure, monitor, maintain and upgrade OT components for systems managed by the ICT Services department.
- Collaborate with the relevant Systems Administrators and technical Systems Owners to implement/review security control measures (policies, procedures, and technologies) at the level of critical OT components and prioritize fixes for identified vulnerabilities without diminishing productivity; provide technical direction to Systems owner for secure device connectivity and configuration and secure integration between SCADA systems and edge devices.
- Collaborate with cross-functional teams to ensure availability, integrity, security, reliability, and scalability of OT systems in line with business demands and as per IT

PRINCIPAL ACCOUNTABILITIES

policies and procedures in place; participate in IT disaster recovery and business continuity development, planning and testing.

- Regularly monitor OT product notifications from vendors and plan and execute OT components roll-outs and upgrades, including application of bug fixes/patches, and software/driver/firmware updates as per systems' manufacturers' recommendations and best practices and in consultation with the relevant Systems Administrators and Systems Owner concerned.
- Perform/participate in analysis and research of emerging OT technologies/solutions. Work with the Systems Administrators and Systems Owner to prepare technical specifications for Airport OT upgrades, acquisition of new or innovative systems, equipment, parts and tools, and assist in the bids evaluation process.
- Provide Tier-3 support as per the IT Incident response plan in place. Troubleshoot, identify, isolate, and resolve systems level problems - with the support of the vendor if applicable.
- Maintain accurate and complete documentations for OT systems; Keep records of OT incidents, systems downtime, preventive maintenance, firmware upgrades and updates in compliance with IT asset management policies in place.
- Perform other duties as may be assigned by the Manager ICT Services

PERSON SPECIFICATION

Knowledge:

- H.S.C with three A-Levels including Mathematics
- Bachelor (Hons) Degree in Computer Science or related field from a recognized institution acceptable to ATOL
- 3+ years of proven post-graduate experience in the implementation, support and maintenance of OT systems, e.g. security systems, building management systems, SCADA systems, PLC programming, etc., preferably with at least 1 year experience in the implementation of OT cybersecurity safeguards

Skills:

- Knowledge of IEC 62443 framework would be an advantage
- Excellent critical thinking, analytical and problem solving abilities
- Creative thinking
- Good written and oral communication, presentation, reporting skills
- Excellent time management and multi-tasking skills
- Good interpersonal skills
- Results-oriented and pay attention to detail.
- Good team player and able to meet tight deadlines
- Ability to challenge the status quo and think outside the box

Attitude:

- Must have a positive and can do attitude.
- Willing to go the extra mile to make things happen.

- Display a strong desire to learn new things and keep abreast of new technologies.
- Be enthusiastic and proactive
- Must be prepared to work during odd hours

OTHER INFORMATION

How to apply?

If you believe you have the right profile and can take up the challenge, please send the following documents by registered post **not later than 26 April 2023 at 15h30** local Mauritius time.

1. Motivation letter
2. Full resume/ CV
3. A photocopy of National Identity Card
4. Copies of educational certificates with letters of equivalences from the MQA as applicable.

Applications should be addressed to:

Human Resources Department
Airport Terminal Operations Ltd (ATOL)
Passenger Terminal Building
SSR International Airport
Plaine Magnien
Mauritius

Notes:

- The successful candidate will initially be employed on contract basis for a period of one year with the possibility of permanent employment thereafter based on satisfactory performance.
- Job references should be specified on the envelope and your motivation letter.
- Only the best qualified candidates will be called for the interview.
- Applications received after the closing date will not be considered.
- Canvassing in any form will entail disqualification from the selection process.
- Prior to appointment, the successful candidate will be required submit a certificate of character as per the Company Policy.
- Applicants should be Mauritian Nationals.

ATOL reserves the right not to make any appointment following this advertisement without incurring any liability towards any applicant.

An Equal Opportunity Employer