Position Title:	NAVIGATIONAL TECHNOLOGY OFFICER
Reports to:	Senior Navigational Safety Officer
Department	Safety Compliance and Response
Subordinates	NIL
Contract Type	Open Contract
Salary Band	TBA

A. PURPOSE OF THE POSITION

The purpose of this position is to implement and optimize cutting-edge navigation technologies, enhancing maritime safety, efficiency, and operational effectiveness through the deployment of advanced navigation systems and ensuring compliance with navigational equipment regulations.

B. KEY RESPONSIBILITIES

1. Research, evaluate, and implement state-of-the-art navigation technologies to improve vessel navigation accuracy and reliability.
2. Collaborate with technology vendors, government agencies, and maritime stakeholders to ensure compatibility of new navigation technologies with existing infrastructure and regulations.
3. Develop and maintain navigational technology standards and guidelines to ensure compliance with international maritime regulations and industry best practices.
4. Conduct training and provide technical support to maritime personnel on the use of navigational technology systems.
5. Monitor navigational equipment performance and conduct regular inspections and maintenance to address technical issues.
6. Evaluate navigational data and provide recommendations for optimizing navigation routes and enhancing maritime traffic management.
7. Develop and implement navigational technology projects, including system upgrades, installations, and integrations.
8. Provide technical expertise and guidance on the selection, installation, and operation of navigational technology systems.
9. Conduct regular audits and inspections of navigational equipment to verify compliance with regulatory standards.
10. Analyze navigational data and performance metrics to assess system effectiveness and identify areas for improvement.
11. Registering Emergency Position-Indicating Radar Beacons (EPIRB).
12. Developing, maintaining and reviewing the database for Fiji Coastal Navigational Warnings, NAVAREA XIV Warnings, EPIRB, Marine Notices, Aids to Navigation and Buoy Moorings.

C. KEY PERFORMANCE INDICATORS (KPIS)

1. Successful implementation of advanced navigation technologies.
2. Compliance with navigational equipment regulations and industry standards.
3. Timely response to and resolution of navigational technology issues.
4. Training and proficiency of maritime personnel in navigating technology systems.
5. Improvement in navigation accuracy and reliability.
6. Effective collaboration with stakeholders on technology initiatives.
7. Maintenance and functionality of navigational equipment within regulatory standards.
8. Reduction in navigational hazards and incidents.
9. Successful completion of technology projects on time and within budget.
10. Enhanced maritime traffic management and route optimization.

D. PERSON SPECIFICATION

1. Knowledge and Experience

i. Bachelor's degree in maritime engineering, GIS or related field with good IT knowledge.
ii. Minimum of 5 years of work experience in GIS, navigational systems, database and monitoring or related work fields.
iii. Good understanding of navigation technologies, including electronic charting systems, AIS, GNSS, GPS and radar.
iv. Familiarity with international maritime regulations and standards related to navigational equipment and technology.

2. Skills and Abilities

i. Strong analytical and problem-solving skills.
ii. Excellent communication and interpersonal skills.
iii. Proficiency in computer-aided design (CAD) software, navigation software, and data analysis tools.
iv. Ability to adapt to evolving technology trends and rapidly changing industry requirements.
v. Technical expertise in troubleshooting and resolving navigational technology issues.
vi. Training and mentoring skills to educate maritime personnel on technology systems.
vii. Drone use experience is an added advantage.

E. PERSONAL CHARACTER

1. Integrity and ethical conduct.
2. Strong leadership and team-building skills.
3. High level of initiative and self-motivation.
4. Ability to handle high-pressure situations effectively.
5. Commitment to maritime safety and efficiency.

F. SPAN OF CONTROL

1. Organizational wide: Develop, apply, and review navigational technology policies, procedures, and training programs.

G. MSAF LEVELS AND FREEDOM OF ACTION

1. Advisory role on navigational technology training and infrastructure needs.
2. Actions requiring approval: Technology projects, staff nominations, and budget allocations.
3. Constraints: Endorsement and approval of technology programs by the Manager Safety Compliance and Response and the CEO.

H. PROBLEM SOLVING

1. Address challenges in fast-tracking technology implementation to meet safety deadlines.
2. Ensure systematic scheduling of technology inspections to avoid delays.
3. Secure accredited specialized training and nominate staff without hindering operational status.
4. Develop solutions for international and local technology needs amidst budget constraints.
5. Maintain consistency in technology audits and regulatory obligations.

I. CONTACTS

1. Internal: CEO, senior management team, department heads, and administrative staff.
2. External: Stakeholders, regulatory bodies, and other external partners.

J. CHALLENGES AND IMPACT

1. Ensure all technical staff are trained and qualified per legislative provisions and international standards.
2. Promote a culture of navigational safety and efficiency within the organization.

K. ADDITIONAL INFORMATION

1. Regular interaction with various internal and external stakeholders is required.