

# Supply Chain Manager

## BNOS PROFILE

## ROLE OVERVIEW

Supply Chain Managers in the Sustainable Blue Economy are responsible for overseeing and optimizing end-to-end supply chain operations in a marine setting. This includes procurement, transportation, storage, and distribution within marine-based industries such as fisheries, aquaculture, ocean energy, shipping, and marine manufacturing. This role ensures sustainability, regulatory compliance, and resilience of supply chains that operate in environmentally sensitive coastal and ocean-based contexts.

Marine/Oceans Supply Chain Managers conduct supply chain operations with a strong marine and ocean protection perspective. Ensuring that operations align with marine protection goals and are sensitive to the health of the ocean environment. Marine and Ocean Supply Chain Managers typically work in shipping and marine cargo industries, helping companies optimize their shipping practices, control costs, and manage ocean exports. A good awareness of political and economic factors affecting the shipping industry, such as trade disruptions, proves useful for Marine/Oceans Supply Chain Managers to conduct their work realistically considering technical factors and considerations.

## INDEX OF POTENTIAL TITLES

- Supply Chain Logistics Analyst
- Shipping Logistics Analyst
- Marine Logistics Analyst
- Marine and Ports Team Lead
- Logistics Manager

## NATIONAL OCCUPATIONAL CLASSIFICATION

10012 - Purchasing Manager

12102 - Procurement and purchasing agents and officers

## STRATA LEVEL

3A - Specialist/Managerial

## RELATED CAREER PROFILES

[Operations Manager | ALIS](#)

[Purchasing Agent | ALIS](#)

## EDUCATION AND EXPERIENCE

- A bachelor's degree or college diploma in business administration, commerce, or economics is usually required.
- Designation of Supply Chain Management Professional (SCMP) or registration in the educational program of the Supply Chain Management Association may be required.



## TECHNICAL COMPETENCIES

### SUPPLY CHAIN PLANNING

**Develops integrated supply chain plans for marine-based operations and coastal logistics networks to ensure responsive, efficient, and resilient delivery of goods and services in ocean environments.**

- Analyzes marine logistics data and forecasts to develop adaptive strategies that align supply and demand under variable environmental and economic conditions.
- Develops sourcing and replenishment schedules for offshore and coastal operations to maintain optimal inventory flow throughout seasonal and regulatory cycles.
- Coordinates marine transportation and procurement schedules to ensure synchronized product movement and production readiness.
- Establishes contingency plans for disruptions caused by weather, port delays, or regulatory changes to preserve supply continuity.
- Defines and tracks key supply chain metrics such as cost, quality, and turnaround time to evaluate system performance and guide continuous improvement.
- Forecasts material costs and documents planning workflows and responsibilities to support budgeting, efficiency, and operational transparency.

### RISK MANAGEMENT & RESILIENCE PLANNING

**Identifies, evaluates, and mitigates supply chain risks across ocean-based operations to build resilience against environmental, regulatory, and geopolitical disruptions.**

- Assesses exposure to risks such as extreme weather, marine transport delays, and international trade shifts in blue economy supply chains.
- Implements mitigation strategies including supplier diversification, emergency sourcing, and backup inventory protocols.
- Develops risk assessment frameworks to guide scenario planning and continuity strategy development.
- Coordinates resilience planning across stakeholders to maintain critical operations during disruptions.
- Evaluates post-incident supply chain data to refine recovery protocols and prevent future failures.

### DATA ANALYTICS FOR SUPPLY CHAIN OPTIMIZATION

**Applies data analytics and digital tools to monitor, predict, and optimize supply chain performance in marine and coastal logistics environments.**

- Implements analytical tools to monitor inventory turnover, distribution timelines, and sourcing efficiency.
- Evaluates dashboard outputs and forecasting models to guide real-time operational decisions in marine logistics.
- Conducts root cause analysis of supply chain inefficiencies and recommends process improvements.
- Develops predictive models to anticipate demand and optimize sourcing and transportation schedules.
- Supports cross-functional teams with visualized data insights to align planning with operational outcomes.



## TECHNICAL COMPETENCIES

### PROCUREMENT STRATEGY & SOURCING

**Designs procurement frameworks and assesses supplier performance to ensure ethical, legal and consistent supply chain operations and cost-effectiveness in the marine supply chains.**

- Implements supplier evaluation frameworks including traceability, sustainability, and risk mitigation criteria.
- Conducts supplier audits and site visits to assess manufacturing capability and compliance with marine standards.
- Monitors vendor performance using service levels and KPIs to ensure delivery and quality benchmarks are met.
- Analyzes supplier performance data to identify issues, enforce accountability, and drive continuous improvement.
- Integrates supplier compliance logs, certifications, and due diligence processes into operational planning.

### LOGISTICS AND TRANSPORTATION

**Coordinates transportation systems and multimodal logistics for ocean-based distribution channels to ensure timely, cost-effective, and compliant movement of goods through marine and coastal infrastructure.**

- Oversees port logistics, vessel schedules, and inland transfer coordination to minimize downtime and ensure efficient material flow.
- Ensures cold chain integrity for perishable marine products using tracking systems and temperature controls to preserve product quality.
- Applies international maritime shipping laws and Incoterms to establish compliant and reliable shipping agreements.
- Collaborates with customs brokers and marine authorities to expedite cross-border movement and reduce delays.
- Implements fuel-efficient and low-emission transportation methods to reduce environmental impact in marine operations.
- Selects transportation routes and consolidates shipments to optimize cost, reduce transit times, and streamline distribution.

### INVENTORY AND WAREHOUSE MANAGEMENT

**Monitors inventory systems and port-based storage facilities for ocean-derived products and equipment to optimize resource use, minimize waste, and maintain operational readiness in marine contexts.**

- Maintains digital inventory systems to track stock levels, shelf life, and turnover rates for ocean-based goods.
- Forecasts inventory needs using marine harvest, aquaculture, or seasonal demand cycles to prevent shortages and overstocking.
- Implements climate-resilient and hazard-resistant storage strategies in port and coastal warehouses to protect goods.
- Analyzes inventory data to improve turnover rates, reduce spoilage, and enhance customer service responsiveness.
- Designs warehousing strategies for marine equipment and finished products to optimize handling time and space utilization.
- Determines appropriate staffing and equipment levels for warehouse operations to maintain safe and efficient material handling.



### STRATEGIC THINKING

**Applies long-term planning and critical analysis to marine-based supply chain systems and economic scenarios to drive innovation, mitigate risk, and support sustainable growth in the blue economy.**

- Evaluates global market trends and marine policy changes to anticipate their impacts on logistics and procurement strategies.
- Leads scenario planning and risk modeling to prepare for regulatory, environmental, or supply chain disruptions.
- Advises leadership on sourcing and logistics strategies that align with long-range environmental and financial objectives.
- Aligns supply chain models with emerging blue economy opportunities such as offshore energy or sustainable aquaculture.
- Implements supply chain transformation initiatives to improve competitiveness, scalability, and ecological alignment.

### COMMUNICATION

**Positively directs outcomes by delivering communications that results in a better understanding of goals and objectives that capture interest and gain support for immediate action.**

- Confers with supply chain planners to forecast demand and align supply strategies for coastal and offshore operations.
- Meets with suppliers to review performance metrics, provide feedback, and discuss upcoming changes in production or demand.
- Diagrams supply chain models and workflows to support discussions with customers and internal teams.
- Communicates procurement and logistics updates in a timely and concise manner to support stakeholder coordination.
- Prepares briefings and presentations to inform executive leadership on marine logistics strategy, risk, and performance.

### COLLABORATION

**Engages in professionally collaborative efforts with other team members, including sharing information and expertise, utilizing input from others, and recognizing others' contributions to work towards a common goal.**

- Develops procedures to coordinate supply chain operations with sales, marketing, finance, production, and quality assurance teams.
- Participates in cross-departmental planning for product launches, engineering changes, or new marine initiatives.
- Collaborates with procurement, engineering, and sustainability teams to identify and onboard new suppliers aligned with marine compliance standards.
- Engages with port authorities, local communities, and Indigenous stakeholders to align marine logistics activities with shared development objectives.
- Leads multi-stakeholder task forces to coordinate marine infrastructure usage and joint distribution strategies.



## LEGAL, POLICY, & REGULATORY COMPETENCIES

### MARINE REGULATORY COMPLIANCE

Implements legal and regulatory frameworks across maritime logistics and ocean resource procurement activities to ensure full compliance with international law, national standards, and local governance requirements.

- Interprets and applies applicable marine transport, fisheries, and trade regulations to procurement and distribution activities.
- Monitors supplier compliance with labor, environmental, and marine safety laws to uphold legal and ethical standards.
- Coordinates customs documentation and regulatory filings for marine imports and exports to meet jurisdictional requirements.
- Maintains marine certifications, audit trails, and compliance documentation to support transparency and regulatory readiness.
- Reviews supply chain procedures regularly to ensure alignment with evolving marine conservation laws and environmental policies.
- Has a solid understanding of ocean freight and logistics regulations, such as FCL, LCL, OOG and Ro/Ro to ensure compliance and optimize costs and logistical operations.



## ENVIRONMENTAL COMPETENCIES

### SUSTAINABLE MARINE SUPPLY CHAIN PRACTICES

Integrates sustainability principles and environmental safeguards into procurement, transportation, and inventory practices in marine industries to minimize ecological impact, support marine biodiversity, and promote responsible resource use.

- Sources marine-based products from certified sustainable operations to support ecosystem protection.
- Implements eco-friendly packaging, transport, and storage practices to minimize marine pollution and waste.
- Designs reverse logistics systems to facilitate the reuse, recycling, or safe disposal of marine-sector materials.
- Conducts life cycle assessments to evaluate the environmental impact of products and operational processes.
- Aligns procurement and logistics systems with evolving environmental policies and stakeholder sustainability goals.
- Identifies opportunities to convert waste streams into by-products to promote marine circular economy outcomes.