

BUSINESS RESEARCH AND
SERVICE INSTITUTE

Supply Chain & Operations Management
Body of Knowledge

SCOMBOK



Business Research and Service Institute
701-701 Ann Street, Pennsylvania, USA
www.brasl.org



The Importance of Supply Chain and Operations Management

Expansion of global trade and commerce, diverse needs of consumers, health and safety concerns in products lead to emerging and complex transaction nationally and across borders. These transactions and the interaction between various players and channels make up today's supply chains. As the scope of these interactions expand with time, so will their impact on national and global economies. As a result, businesses are witnessing an ever-increasing demand for skilled professionals trained and certified in this area.

Meeting the Skill Development Needs of Professionals and Businesses

Formed in 1981, BRASI has met this need through training and certification programs for professionals in supply chain management. As avid practitioners of supply chain management, the team at BRASI has developed the Supply Chain and Operations Management Body of Knowledge (SCOMBOK). The SCOMBOK combines the globally accepted principles and practices in supply chain management and operations management to facilitate an integrated, seamless learning process. The use of standard terms and conventions helps harmonize business processes within and across organizations, resulting in better coordination and higher efficiency.

BRASI Supply Chain & Operations Management Body of Knowledge (SCOMBOK)

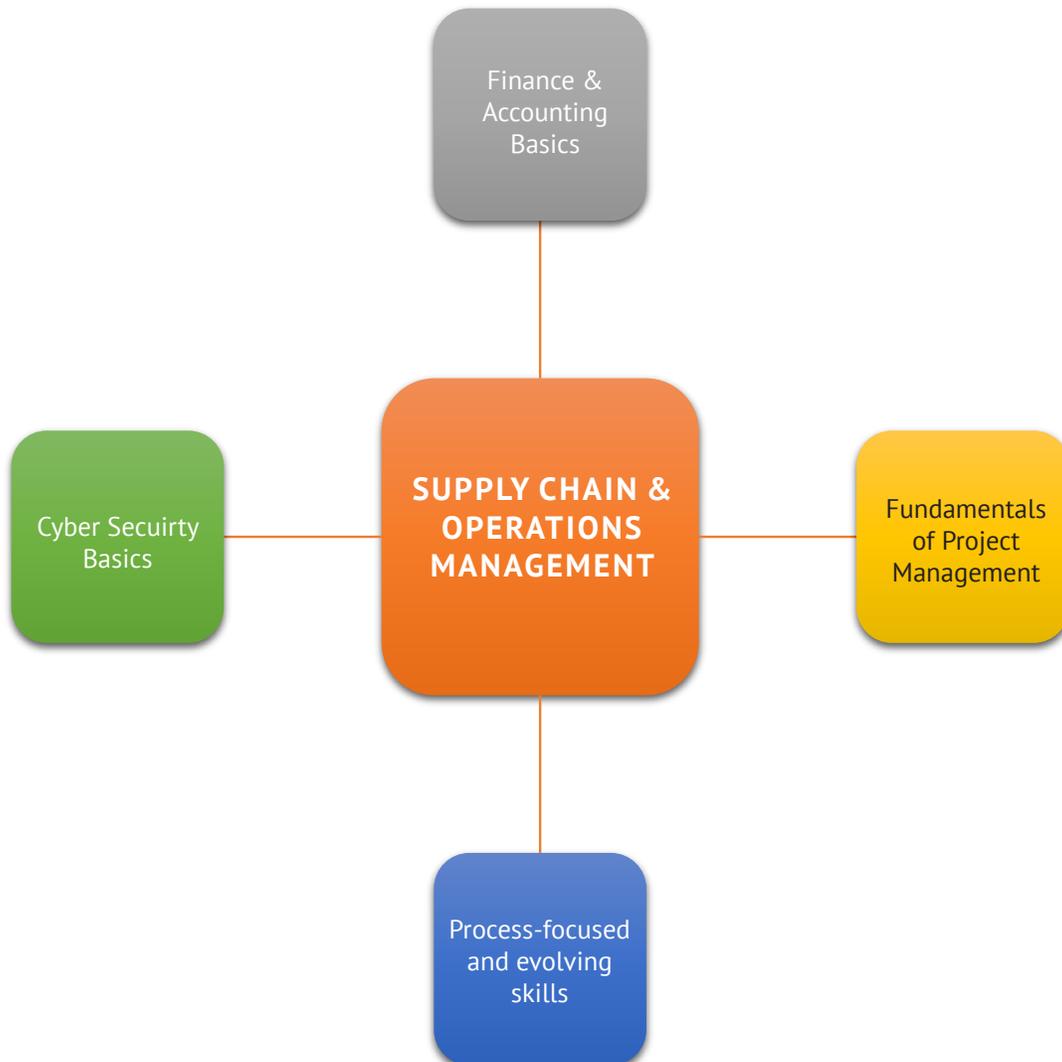
Skills under the Supply Chain & Operations Management Body of Knowledge, categorized into the three levels of its hierarchy, are described below:



Skill Area	Description
Developing Supply Chain Strategy	Developing Supply Chain Strategy in alignment with the company's competitive strategy
Supply Chain Modeling	Building scenarios and conducting simulations to explore solutions and optimize results
Developing Supply Chain Infrastructure	Achieving a balanced capacity model for the productive use of resources
Operationalizing Sustainability	Making sustainable choices in manufacturing processes combined with upstream and downstream channels
Maintaining and Improving Demand Visibility	Developing effective forecasting models for collaborative planning and execution
Developing a Responsive and Efficient Operations Planning Ecosystem	Conducting the Sales & Operations Planning process, optimizing capacity and capability, and monitoring inventories throughout the supply chain
Minimizing Costs in all Areas of Supply Chain	Using knowledge of finance and accounting principles to understand the costing and accounting principles, time value of money, the budgeting process, contribution margin, breakeven point and other processes
Managing and Collaborating on Projects	A working knowledge of project management methods and tools to support projects in the supply chain function
Assessing and Managing Risks in Supply Chains	Assessing risks to supply and company's growth targets, developing a robust cyber security posture for own and linked networks upstream and downstream. Using Business Continuity Planning (BCP), Disaster Recovery Planning (DRP), and other tools to manage risks.
Driving Continuous Improvement	Excellent understanding of the principles, practices and tools of Lean, Six Sigma, Total Quality Management (TQM), Just-In-Time (JIT), Constraints Management and other productivity improvement methodologies to drive continuous improvement
Purchasing and Managing Contracts	Planning skills to determine the business's requirements for materials and services, sourcing and negotiating skills to optimize quality and aiming at the lowest total cost of ownership
Intra-Company and Inter-Site Sourcing	Supporting local and cross-border transfer of materials and products to support the various manufacturing flows

Skill Area	Description
Managing Customer Service	Developing processes and feedback mechanisms to meet and exceed customers' current and evolving needs
Managing Distribution and Delivery	Working with distribution networks, Third Party Logistics (3PL) and Fourth Party Logistics (4PL) providers, agents, and customers to maintain the flow of products and services at the target service level
Utilizing Technology in Supply Chain and Logistics Management	Understanding the functioning Enterprise Resource Management (ERP) systems, Manufacturing Execution Systems (MES), mobility devices, Real Time Location Systems (RTLS), Cold Chain Tracking, other tools and application for efficient management of logistics

BRASI's training courses represent the latest concepts and practices in the respective areas. The portfolio of BRASI's courses focuses on the core skills in supply chain and operations management, while offering learning opportunities in the related skills that help the professionals collaborate with and support other functional areas that work closely with supply chain and operations management. Examples of such complimentary skills are basics of project management, finance and accounting principles for non-financial professionals and fundamentals of cyber security.



THE PORTFOLIO OF BRASI'S TRAINING COURSES IS PRESENTED BELOW. NEW COURSES AND TOPICS ARE ADDED IN ACCORDANCE WITH THE ADDIE STANDARD METHODOLOGY.

• **CISCOM**

The CISCOM course is a comprehensive training program that combines supply chain management, operations management, and logistics management into a single, integrated course. Accredited under the ASTM Standard E2659-18, the course covers supply chain management from beginning to end. Total time commitment is 50 hours, comprising 39 hours of Instructor-led training, 8 hours for self-review, quizzes and exercises, and 3 hours for the final exam. The CISCOM Participant Guide contains key information about the program. CISCOM is the perfect one-window solution for a well-rounded skill set on the subject.

• **CSCF**

The CSCF course is revered for its supply chain management overview. If you are curious about supply chain management or if such management can enhance your business, you owe it to yourself to take this course which is inclusive of all the top processes and concepts. The course consists of four distinct modules including the introduction, planning, inventory management and logistics and a final module covering procurement, productivity and customer service. Our CSCF learning resources extend all the way to interactive training modules, prep quizzes, prep tests and downloadable handbooks ready for printing.

• **CSTL**

The CSTL training course provides the key knowledge and terminology about logistics – the front-end of business. The four modules of the course present the body of knowledge in a progressive manner, with the necessary details and notes. Key topics reviewed in CSTL include managing domestic and international shipments, modes of transportation, warehouse management, use of INCOTERMS and more. The CSTL course is essential for anyone dealing with customer service and distribution.

• **CIFA**

CIFA program covers all of the terms, figures and concepts that are essential to accounting and finance. The CIFA course is designed for professionals who do not have an academic or professional background in finance. This is your opportunity to develop an in-depth and comprehensive understanding of the financial aspects of accounting and other finance-related professional work. CIFA course-takers learn about supply chain management, project management, inventory management, logistics, manufacturing and more.

• **CFPM**

The CFPM course provides insightful and helpful information pertaining to the tools, concepts and definitions used by project managers. The CFPM course is designed for individuals who would like to pursue a project management career and also for those learning about project management. Take the CFPM course and you will be able to use project management methods used in a variety of professional duties stretching from supply chain management to project management support, product development and more.

• **CyberSec Course:**

The CyberSec training provides an overview of the various cyber security risks and threats, including the tactics adopted by hackers. Strategies available to safeguard individuals and organizations from cyber-attacks are discussed in detail, as well as best practices and tools available for managing the risk. This course is highly recommended for end-users of IT systems and tools, as well as IT professionals.

NEW COURSES ARE INTRODUCED ON A REGULAR BASIS. FURTHER INFORMATION AND UPDATES ARE AVAILABLE ON THE BRASI WEBSITE WWW.BRASI.ORG.

Accredited

BRASI's training program CISCOM – Certificate in Supply Chain & Operations Management received accreditation from the American National Standards Institute in September 2017 under the American Society for Testing and Materials' Standard ASTM E2659-15/Certificate ID # 1192, with BRASI designated as a Conformity Assessment Body (CAB). BRASI continues to follow the ASTM Standard, through internal audit and compliance oversight by its Program Advisory Council (BRASI-PAC).

About the BRASI PAC

The Program Advisory Council comprises of external and independent stakeholders. These include employers, industry professionals, educators, students and alumni. The objective of PAC is to monitor compliance to the applicable ASTM standard, maintain the courses to the current industry best practices and update the curriculum as per evolving learning needs through research and data analysis.

For more information on the ASTM Standards, please [click here](#) to be redirected to the ASTM website.



Training Delivery methods

BRASI offers flexible learning methods to fulfill our learners' diverse needs. Each BRASI course is offered in the following formats:

Self-paced Courses: These courses are offered online and allow the student to complete the training at their own pace, depending on their schedule and availability. Learning resources include 24x7 access to the online course materials including downloadable handbooks in ready to print format, supporting notes and exercises, quizzes and the test.

Instructor-led Courses: Instructor-led training is conducted online for the global audience, as well as on-site at select locations. Learning resources include live sessions with an instructor, 24x7 access to the online course materials including downloadable handbooks in ready to print format, supporting notes and exercises, quizzes and the test.

BRASI's Skill Development Ecosystem for Lifelong learning

BRASI supports on-going learning by providing free access to its monthly newsletter which contains articles, essays and industry updates, free webinars by leading professionals and other complimentary continuous We encourage our students to BRASI Professional development – newsletter, seminars and materials. We greatly value feedback and comments from our stakeholders and professional colleagues. Please feel free to reach us through the Contact Us form on our website www.bراسي.org.

SKILLMAST

SkillMast is a division of Business Research and Service Institute, focusing on in-house training, customized solutions, and consulting. Team training with a productivity improvement program is also available.

