

CIPS Level 3

*Advanced
Certificate in
Procurement
and Supply
Operations*

3

2018 Syllabus

Version 1

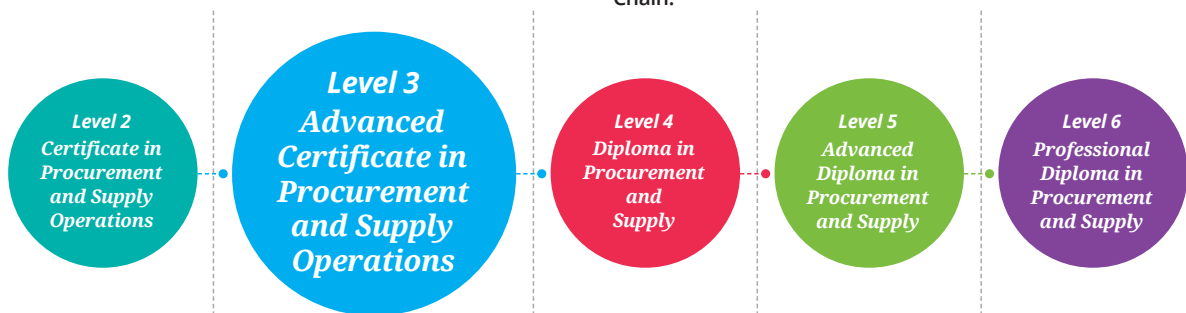


Your qualification

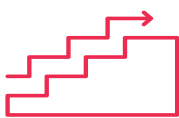
The Chartered Institute of Procurement & Supply (CIPS) qualifications are recognised by education regulators from various countries. Our Level 3* Advanced Certificate in Procurement and Operations is a vocationally related professional qualification. CIPS is an Ofqual (England), CCEA Regulation (Northern Ireland) and Qualifications Wales, regulated qualifications awarding organisation. The CIPS qualifications are listed on the Regulated Qualifications Framework (RQF). CIPS members will be able to have the confidence in our regulated qualifications, which reliably indicate the knowledge, skills and understanding that a learner is required to demonstrate.

This is an entry level vocationally related qualification it is designed to follow on from the CIPS Level 2 Certificate in Procurement and Supply Operations as learners are expected to develop, use and apply the professional language and skill sets introduced at Level 2 within a practical working environment. This qualification will prepare intermediate level learners looking to specialise in procurement and supply and to progress onto the CIPS Level 4 Diploma in Procurement and Supply.

Developed in close collaboration with experts from the procurement and supply profession and businesses, and with the providers who will be delivering the qualifications, CIPS Level 3 Advanced Certificate in Procurement and Supply Operations is designed for individuals who will be working at the Tactical but moving towards the Operational level of the **CIPS Global Standard for Procurement and Supply**. This is the first level of the CIPS qualifications structure where elective modules are introduced, giving learners the choice of a specific professional path such as **Procurement or Supply Chain**.



Next steps



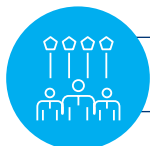
This qualification provides progression to the **CIPS Level 4 Diploma in Procurement and Supply**.

Level 4

* Refers to levels within the RQF. Other regulatory bodies may have different corresponding levels

“We have created a suite of regulated, flexible and agile professional qualifications that pave the way for a whole new generation of global procurement and supply learners.”

Dr Gary Ramsden, FCIPS Chartered Professional, Head of Education Development and Standards, CIPS

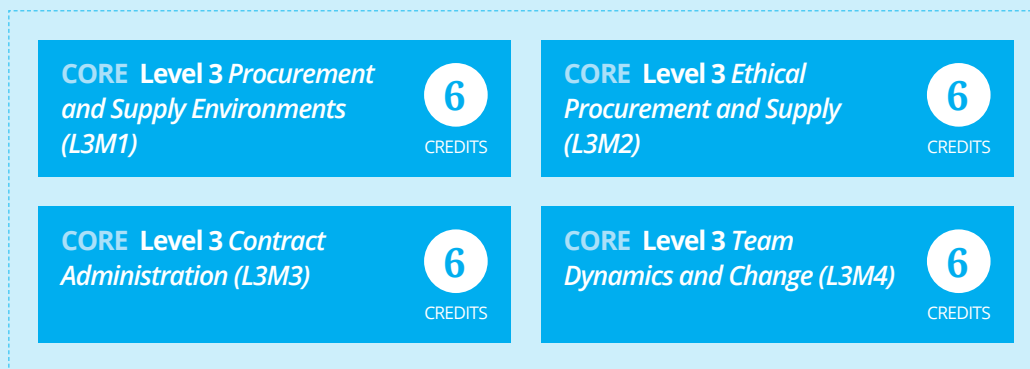


Based on the Tactical and Operational competency levels of CIPS Global Standard



Guide to qualification content

Four **CORE MANDATORY** modules make up **24** of the required **credits**



Choose one **ELECTIVE** module to make up the final **six** required **credits**



30
Credits required for completion

24
Credits made up of **CORE MANDATORY** modules

6
Credits made up of your choice of **ELECTIVE** module

Who is it for?

This qualification will prepare intermediate level learners looking to specialise in procurement and supply and to progress onto the CIPS Level 4 Diploma in Procurement and Supply.

What will I learn?

Learn how to apply factual, procedural and theoretical knowledge of procurement and supply. You will be able to complete tasks and address problems that are well-defined but may be complex and non-routine. You will understand what relevant information is required and how to interpret and review its effectiveness.

Entry requirements

This is the second entry level qualification, there are no formal entry requirements.

Total credits required for completion

30

How long will I study for?

Your total qualification time (TQT)

The TQT indicates the overall number of guided learning hours, additional self-study and assessment time that is required.

300
TQT HRS

Guided learning hours (GLH)

It is expected that you will undertake 200 GLH. The definition of guided learning hours is: 'A measure of the amount of input time required to achieve the qualification. This includes lectures, tutorials and practicals, as well as supervised study in, for example, learning centres and workshops'.

200
GLH HRS

Self-study requirement (SSR)

Additionally, we recommend that you also commit to at least [90 SSR] hours. This includes wider reading of the subject areas and revision to give yourself the best preparation for successfully achieving the qualification.

90
SSR HRS

Total exam time

All the modules in CIPS qualifications are assessed by an examination.

10
HRS

C

CORE MODULE



CIPS GLOBAL
STANDARD
2.1 · 2.2 · 4.4 · 11.2

2

HRS

EXAM DURATION
HOURS

60

HRS

TOTAL QUALIFICATION
TIME (TQT)

6

Procurement and Supply Environments

[L3M1]

Module purpose

On completion of this module, learners will be able to identify the range of environments in which procurement and supply is expected to operate and the external factors that can impact on overall success.

Module aim(s)

Procurement and supply is to operate in a varied range of environments. As well as the public and private sectors, those responsible for the procurement and supply function may find themselves working with those in not-for-profit organisations. This module is designed for those who are involved in the procurement and supply function, who must recognise the wider environment in which they work and the impacts that different types of organisations can have on successfully meeting with overall organisational needs. They must know the importance of the external environment and also identify the procedures that regulate procurement and supply.

Credit value

Learning outcomes, assessment criteria and indicative content

1.0 Know the different sectors of procurement and supply

1.1 Define the different types and functions of the private sector

- Definitions and different types of private sector organisations – sole traders, partnerships, registered companies, incorporated and unincorporated companies, SME, multinational corporations
- The size and scope of the private sector in different economies
- Functions of private sector organisations such as profit, growth, market share, share price, other financial measures, corporate and social responsibility

1.2 Describe the role and scope of procurement and supply in the private sector

- Sole trade, partnerships, registered companies, incorporated and unincorporated companies
- Small and medium sized organisations (SMEs)
- Multinational organisations
- The roles of procurement and supply in the private sector

1.3 Describe the role and scope of procurement and supply in the public sector

- Defining the public sector
- Central and local government
- The functions of public sector organisations
- The roles of procurement and supply in the public sector
- Commissioning and procurement
- Achieving budget savings and other sources of added value
- Providing access to services
- Regulating organisations and individuals

1.4 Describe the role and scope of procurement and supply in the not-for-profit and third sector

- Defining the not-for-profit and third sector
 - Public accountability for the not-for-profit and third sector
 - Define the role of procurement and supply in the not-for-profit and third sector
-

2.0 Understand types of pricing arrangements in commercial agreements

2.1 Explain how pricing arrangements are used in commercial agreements to ensure effective price and cost management

- Pricing schedules
 - Fixed pricing arrangements
 - Cost plus and cost reimbursable pricing arrangements
 - Indexation and price adjustment formulae
 - Incentivised gain share pricing
 - Payment terms
 - The use of open book costing and adjustments
-

3.0 Know the external environment and its impact on procurement and supply

3.1 Identify the impact of the external environment on procurement and supply

- The use of environmental scanning
- The use of PEST (political, economic, social and technological) criteria or STEEPLED (social, technological, economic, environmental, political, legislation, ethical and demographic) criteria that impacts on organisations' external environment
- The five forces model
- Competitive market forces
- Demand and supply
- Market factors
- Product life cycles

3.2 Describe how the implications of economic criteria impact on procurement and supply

- Macro-economic criteria such as interest rates, inflation, exchange rates, level of economic activity (GDP/ GNP) that impacts on organisations
- Micro-economic criteria such as demand and supply that impacts on organisations

3.3 Describe how the implications of political and legislative criteria that impact on procurement and supply

- Political criteria such as stability and instability that impacts on organisations, different economic sectors and on countries
- Legislation that impacts on organisations such as on standards, health and safety, environmental standards and employment law

3.4 Describe how the implications of environmental and ethical criteria impact on procurement and supply

- Environmental criteria such as natural risks, waste emissions, pollution and energy efficiency that impact on organisations
- Ethical and social criteria such as ethical codes, employment rights, community benefits, working conditions and standards that impact on organisations

3.5 Describe how the implications of social criteria impact on procurement and supply

- Changing societal preferences, tastes and fashions, demographics, labour and fair-trade standards and how these can impact on organisations
- Corporate social responsibility

4.0 Understand procedures that regulate procurement and supply

4.1 Describe the types of documentation used in procurement and supply

- Requisitions
- Orders
- Delivery notes
- Invoices
- Other documents typically used in procurement and supply

4.2 Explain how documented policies and procedures are used within procurement and supply

- The responsibilities for procurement
- Regulations relating to competition
- Levels of delegated authority
- Responsibilities for the stages of the sourcing process
- Responsibilities for ensuring invoice clearance and payment
- Responsibilities for ensuring that requisitions, orders and invoices are clear and correct and clarify requirements for stakeholders
- Corporate governance

Ethical Procurement and Supply [L3M2]

Module purpose

On completion of this module, learners will be able to identify the significance of ethics for procurement and supply and define each stage of the sourcing process, explaining how operational performance can be measured and improved in support of added value operations.

Module aim(s)

The significant impact on reputation and customer perception mean that ethics and responsible procurement should be at the heart of all organisational procurement and supply activity. A successful organisation will strive to add value at every stage of its operations and will seek ways to measure and improve performance. This module is designed for those responsible for the application of ethical codes of conduct on the procurement and supply operation and who are expected to know how to address potential conflicts of interest. They must also define tasks associated with each stage of the sourcing process and identify the techniques available to achieve added value, recognising how operational performance can be measured and improved.

Credit value



C

CORE MODULE



CIPS GLOBAL
STANDARD
4.4 • 7.1 • 8.2 • 11.2



2

HRS

EXAM DURATION
HOURS



60

HRS

TOTAL QUALIFICATION
TIME (TQT)



6

Learning outcomes, assessment criteria and indicative content

1.0 Know techniques that can achieve added value and its contribution to organisational success

1.1 Explain how to use techniques to obtain supplies to the purchaser's requirements

- Defining sources of added value
- Defining value for money
- Applying the five rights to procurements of both products and services
- Discuss the concept of life time costs

1.2 Identify the contribution that value for money has to make to organisational success

- Efficiency
- Effectiveness
- Economies of scale vs. quality of product/service
- Value engineering
- Value analysis

1.3 Explain how to use techniques that are available to achieve quality supplies

- Defining quality
- Quality standards, processes and procedures
- The use of quality assurance
- The concept of zero defects
- Assessing quality of supplies of products and services

1.4 Identify techniques to secure required quantities within required timescales

- Internal, external and total lead time
- Expediting and measuring delivery performance

1.5 Identify value for money criteria

- Pricing/costs
- Delivered quality
- Timescales, quantities and location requirements
- Measuring the achievement of quality and timescales
- Evaluate data to measure and improve the performance of external suppliers

2.0 Know tasks associated with each stage of the sourcing process

2.1 Describe how procurement needs are established

- Liaison with users and customers and understanding their commercial needs
- Reviewing needs from customers
- The make or buy decision
- Definitions of specifications

2.2 Identify criteria that should be applied in creating specifications

- The importance of specifications in contracts with external customers and suppliers
- Creating specifications for products and services
- Conformance and output or outcome based approaches to developing specifications
- The role of Key Performance Indicators (KPIs)

2.3 Describe approaches to the sourcing of supplies

- Surveying the market
- Supplier appraisal
- Inviting quotations and tenders
- Assessing quotations and tenders
- The use of e-sourcing technologies
- Measuring supplier performance

2.4 Describe approaches to the formation of agreements with external organisations

- Dealing with queries and clarifications
- Ensuring transparency and fairness with suppliers
- Mistakes and second bids in tenders
- The use of reverse auctions/e-auctions
- Forming agreements with customers and suppliers
- Transition and mobilisation arrangements

3.0 Understand the significance of ethics for procurement and supply

3.1 Explain the importance of the CIPS Code of Conduct in procurement and supply

- Enhancing and protecting the standing of the profession
- Maintaining the highest standard of integrity in all business relationships
- Promoting the eradication of unethical business relationships
- Enhancing the proficiency and stature of the profession
- Ensuring compliance with laws and regulations

3.2 Describe the use of codes of ethics in procurement and supply

- The importance and role of codes of ethics
- Monitor the work of stakeholders to ensure that codes of ethics are upheld
- How to deal with and escalate to senior management any suspected breaches of codes of ethics

3.3 Explain the conflicts of interest that can exist in the work of procurement and supply and how to deal with them

- Identifying potential conflicts of interest
- How to address potential conflicts of interest
- How to ensure that ethical practices are maintained and prioritised

4.0 Understand how operational performance of the procurement and supply function can be measured and improved

4.1 Recognise the importance of delivering customer service and how to improve

- Methods to evaluate customer service and stakeholder satisfaction
- How to develop action plans to improve performance

4.2 Explain ways to measure cycle times for the sourcing process

- Methods to evaluate the timescales for sourcing processes
- How to identify the causes of delays and take appropriate actions to reduce timescales when required

4.3 Explain methods to assess the performance of and control budgets

- Methods to analyse departmental budgets and evaluate the reasons for variances between forecasted and actual expenditures
- Define methods and actions to mitigate future variances



CORE MODULE



CIPS GLOBAL
STANDARD
6.2 · 7.3 · 8.3



HRS

EXAM DURATION
HOURS



HRS

TOTAL QUALIFICATION
TIME (TQT)



Contract Administration [L3M3]

Module purpose

On completion of this module, learners will be able to explain administrative processes behind contract development and how to measure contract performance. They will identify how to achieve competitive pricing and be able to describe how effective tendering is achieved.

Module aim(s)

In any organisation, a significant element of the procurement and supply function is based around the contracting process. This module is designed for those involved in the development and subsequent administration and performance monitoring of contracts. To ensure success, such individuals must demonstrate knowledge and comprehension of how to achieve competitive pricing and also how effective tendering is achieved.

Credit value

Learning outcomes, assessment criteria and indicative content

1.0 Know the administrative content and key tasks associated with commercial contracts

1.1 Identify types of contracts and agreements

- Spot purchases
- Term contracts
- Framework agreements (or blanket orders/panel agreements)
- Call offs

1.2 Describe the purpose of the documents that compose a contract for the purchasing or supply of goods and/or services

- The specification
- The key performance indicators (KPIs)
- The contract terms
- The pricing schedule
- Other schedules (such as health and safety, use of subcontractors)
- Non-disclosure/confidentiality agreements

1.3 Describe the stages involved in forming contracts for the purchasing or supply of goods and/or services

- Requests for quotations/information/tender enquiries
- Quotations/tenders received
- Orders/acceptance of tenders
- Delivery notes/acknowledgements
- Invoicing and payment
- The use of contract registers

1.4 Describe how to develop and present business cases to justify expenditure on supplies, services or projects

- Costs
- Benefits
- Options
- Alignment with organisational needs
- Timescales

2.0 Understand how to achieve competitive pricing and the role of negotiation in procurement and supply

2.1 Explain the use and comparison of competition to obtain quotations on price

- The use of competitive pricing with suppliers through monitoring prices and obtaining quotations
- Comparing historical prices with newly quoted prices and evaluating the reasons for any significant discrepancies
- Taking appropriate actions to secure competitive pricing

2.2 Recognise the role of commercial negotiations in the work of procurement and supply

- Definitions of commercial negotiation
 - Collaborative win-win integrative approaches to negotiation
 - Distributive win-lose distributive approaches to negotiation
- Negotiation in relation to the stages of the sourcing process
- Sources of conflict that can arise in the work of procurement and supply
- The influence of stakeholders in negotiation

2.3 Explain approaches to negotiate competitive prices

- The link between costs, price, margins and mark-ups
- Use available data on submitted prices
- Retain or improve other aspects of value for money such as quality, availability and sustainability within the negotiation process
- Analyse actual outcomes from the negotiation process with planned outcomes and evaluate the reasons behind any differences

3.0 Know how effective tendering is achieved

3.1 Identify the initial actions processes associated with the tendering process

- Supply/market research
- Early supplier engagement
- Pre-contract dialogue
- Develop and improve commercial and technical solutions

3.2 Describe initial tender process documentation and associated content

- Invitations to tender
- KPIs
- Contract terms
- Pricing schedule and other special to type schedules
- Prequalification questionnaires

3.3 Identify the tender evaluation and acceptance process

- Check tender details and take any necessary remedial actions
- Assess tender proposals against initial requirements
- Awareness of specification creep

3.4 Outline the regulations that can impact on the tendering process

- International frameworks
- Non-discrimination
- Free movement of goods
- Freedom to provide services
- Freedom of establishment
- Equality of treatment
- Transparency
- Mutual recognition
- Code of ethics
- Codes of conduct

4.0 Understand how to measure contract performance

4.1 Describe the use of data as a contract performance measure

- Types of data
- Data gathering and analysis methods
- Actions to address under performance
- Penalty clauses

4.2 Explain the use of Key Performance Indicators (KPI)

- Quality performance
- Cost management
- Resources and delivery
- The use of audits to verify performance and costs
- The use of SMART targets for supplier performance and agree their application with suppliers and other stakeholders
- Agree mitigating actions with suppliers and other stakeholders

4.3 Explain types of contractual risk and how to manage them

- Use of risk registers
- Internal organisational risk
- Market economic risk
- Performance based risk

Team Dynamics and Change

[L3M4]

Module purpose

On completion of this module, learners will be able to identify the influence that people and teams can have on procurement and supply success and recognise the challenges associated with and methods to achieve, organisational change.

Module aim(s)

Individuals with responsibility for procurement and supply activity are to operate in a range of environments and within a correspondingly broad variety of teams. The influence of the individual and that of the team on overall organisational success should not be underestimated. Those who work in organisations will, more often than not be expected to cope with change be it small or large, and must therefore understand the triggers that lead to change, the associated responses and methods to ensure and maintain lasting change. This module is designed for those who are involved in the procurement and supply function, who must recognise the wider environment in which they work and the impacts that different types of individuals and team dynamics have to play on organisational success. They must also identify with need for and responses to change, and recognise the coping mechanisms which ensure and maintain change.

Credit value

C

CORE MODULE



CIPS GLOBAL
STANDARD
9.1 - 9.2

2

HRS

EXAM DURATION
HOURS

60

HRS

TOTAL QUALIFICATION
TIME (TQT)

6

Learning outcomes, assessment criteria and indicative content

1.0 Know how the individual can support overall organisational success in procurement and supply

1.1 Identify the personal attributes required to support overall organisational success

- Personal knowledge
- Personal values
- Self-development and awareness
- An understanding of the procurement and supply process
- Further the aims of the procurement and supply profession

1.2 Describe the roles of staff with devolved responsibilities for procurement and supply

- Advise other members of staff that have responsibilities for procurement and supply activities
- Ensure compliance with organisational procedures and processes
- Work towards achieving value for money outcomes in procuring goods and/or services

1.3 Explain the importance of liaising with internal customers and other stakeholders

- Serve internal stakeholders efficiently and effectively to promote customer service and support
 - Advise on pricing, quality, delivery, demand, quantities and place aspects
 - The role or personnel involved in procurement and supply activity
 - The structure and objectives of the procurement and supply function.
-

2.0 Understand team dynamics and their influence on procurement and supply

2.1 Describe the purpose and challenges of cross functional teams in procurement and supply

- Identifying behaviours to further the aims of procurement and supply
- Developing positive relationships with team members and other cross functional stakeholders

2.2 Explain the contribution and challenges of team working

- Identifying barriers to team working
- Actions to overcome resistance and conflict within teams
- Developing positive relationships with team members

3.0 Understand the challenges associated with, and methods to achieve organisational change

3.1 Describe the types of organisational change

- Evolution
- Adaption
- Revolution
- Reconstruction
- Closed, contained and open-ended change

3.2 Describe triggers for change

- Political, Economic, Social and Technological (PEST) factors
- Internal triggers
- Future trends and innovation

3.3 Explain organisational responses to change

- Environmental turbulence
- Resistance to change
- Cynicism and scepticism
- The challenge of maintaining change
- The change cycle – loss, doubt, discomfort, discovery, understanding, integration

3.4 Identify and explain methods to achieve change

- Clarify goals
- Refine methods and procedures
- Empowerment and ownership
- Incremental adjustment
- Collaborate, communicate, direct and coerce

Socially Responsible Procurement [L3M5]

Module purpose

On completion of this module, learners will be able to explain the concepts and implications of sustainability and Corporate Social Responsibility and recognise the potential environmental impact of procurement and supply operations.

Module aim(s)

Company reputation can be severely damaged if the organisation or one of its suppliers, is seen to be neglecting sustainability and corporate social responsibility. Similarly, against a background of increasing public and governmental concern for the environment, organisations have come under increasing pressure to reduce the environmental impact of their operations. This module is designed for those working in procurement and supply who should recognise the responsibility which they have for ensuring sustainable and socially responsible practices and the importance of the environmental impact of their decisions and approaches.

Credit value



E

ELECTIVE MODULE



**CIPS GLOBAL
STANDARD
11.1 · 11.2 · 11.3**



2

HRS

**EXAM DURATION
HOURS**



60

HRS

**TOTAL QUALIFICATION
TIME (TQT)**



6

Learning outcomes, assessment criteria and indicative content

1.0 Understand the concepts of sustainability and Corporate Social Responsibility (CSR)

1.1 Explain the concept of sustainability and the practical implications for procurement and supply

- Meeting the needs of the present, without compromising the ability of future generations to meet their needs.
- Adopting a broader range of decision-making criteria other than traditional economic criteria.
- Extending procurement decision-making criteria away from just price and quality
- Including environmental merits and social impacts of alternative solutions

1.2 Explain the importance of Corporate Social Responsibility (CSR)

- Extension of corporate goals and decisions to include organisational objectives and financial measures of performance.
 - Promoting good corporate citizenship and responsibility for corporate actions
 - Encouraging positive impact on all stakeholders
 - Social, economic and cultural diversity
-

2.0 Understand the environmental impact of procurement and supply

2.1 Describe the impact of environmental sustainability

- Globalisation vs. green logistics
- Public awareness
- External pressure on organisations
- International legislation and agreements

2.2 Explain the environmental impact of transportation and storage

- Air pollution and atmospheric emissions
- Carbon footprint calculation
- Noise pollution
- Accidents
- Vibration
- Land-take
- Visual intrusion

2.3 Explain the role of government in promoting environmental sustainability

- Define sustainability
 - Define environmental impact
 - Greener modes of transport
 - Energy efficiency
 - Reducing emissions
-

3.0 Know the implications of CSR for the procurement and supply function

3.1 Identify procurement and supply processes and practices that the organisation may adopt to support CSR

- Adoption of sustainable practices, standards and specifications in the supply chain
- Consideration of the social impact of the organisation's behaviours.
- Design procurement processes to deliver positive social outcomes
- Expanding reporting frameworks to include ecological and social performance
- Defining organisational value for money to include social outcomes – such as the use of local labour and participation of disadvantaged and/or minority groups

3.2 Describe the triple bottom line concept and how it should apply to procurement and supply

- Three pillars of social responsibility such as:
 - People
 - Profit
 - Planet
-

3.3 Describe the key metrics that can be used to measure and report on sustainability

- Environmental – such as energy consumption, water consumption, greenhouse gas emissions, waste generation
 - Social – such as demographic trends, use of local labour, disadvantaged and/ or minority groups
-

4.0 Understand methods to monitor Corporate Social Responsibility (CSR) in procurement and supply

4.1 Describe the key methods that can be used to monitor CSR compliance

- Discuss methods such as:
 - KPIs
 - Audits
 - Supplier appraisals
 - The use of regulatory frameworks

Socially Responsible Warehousing and Distribution [L3M6]

Module purpose

On completion of this module, learners will be able to describe methods for the storage and movement of inventory and identify the environmental and social impact of warehousing and distribution operations.

Module aim(s)

Warehousing and distribution are key components of organisational success. The transport, storage and handling of products as they move from raw material, through production systems to the final point of sale has been fundamental to economic development for millennia. In more recent times, against a background of increasing public and governmental concern for the environment, organisations have come under increasing pressure to reduce the environmental impact of their warehousing and distribution processes. Similarly, company reputation can be severely damaged if the organisation or one of its suppliers, is seen to be neglecting sustainability and corporate social responsibility (CSR). This module is designed for those working in procurement and supply who have responsibility for product storage and distribution. It takes as its focus the storage and movement of inventory but also recognises the impact of such operations on environmental sustainability and CSR.

Credit value

E

ELECTIVE MODULE



**CIPS GLOBAL
STANDARD
11.1 - 11.2 - 11.3**

2

HRS

**EXAM DURATION
HOURS**

60

HRS

**TOTAL QUALIFICATION
TIME (TQT)**

6

Learning outcomes, assessment criteria and indicative content

1.0 Understand the concepts of sustainability and Corporate Social Responsibility (CSR)

1.1 Explain the concept of sustainability and the practical implications for procurement and supply

- Meeting the needs of the present, without compromising the ability of future generations to meet their needs
- Adopting a broader range of decision-making criteria other than traditional economic criteria
- Extending procurement decision-making criteria away from just price and quality
- Including environmental merits and social impacts of alternative solutions

1.2 Explain the importance of Corporate Social Responsibility (CSR)

- Extension of corporate goals and decisions to include organisational objectives and financial measures of performance
 - Promoting good corporate citizenship and responsibility for corporate actions
 - Encouraging positive impact on all stakeholders
 - Social, economic and cultural diversity
-

2.0 Understand the environmental impact of procurement and supply

2.1 Describe the impact of environmental sustainability

- Globalisation vs. green logistics
- Public awareness
- External pressure on organisations
- International legislation and agreements

2.2 Explain the environmental impact of transportation and storage

- Air pollution and atmospheric emissions
- Carbon footprint calculation
- Noise pollution
- Accidents
- Vibration
- Land-take
- Visual intrusion

2.3 Explain the role of government in promoting environmental sustainability

- Define sustainability
- Define environmental impact
- Greener modes of transport
- Energy efficiency
- Reducing emissions

3.0 Understand methods for the storage and movement of inventory

3.1 Recognise the principles of store and warehouse design

- Location of stores and warehouses
- Store and warehouse design
- Factors that influence store and warehouse layout
- Flow, space utilisation and flexibility

3.2 Explain the different types and uses of warehousing equipment

- Materials handling equipment
 - Palletisation and unit loads
 - Packing and packaging
 - Environmental standards for packaging
 - The use of automation in warehousing
-

4.0 Understand the environmental impact of warehousing and distribution

4.1 Explain the impact of environmental sustainability

- Discuss issues such as:
 - Globalisation vs. green logistics
 - Public awareness
 - External pressure on organisations
 - International legislation and agreements

4.2 Explain the environmental impact of warehousing and distribution

- Air pollution and atmospheric emissions
- Carbon footprint calculation
- Noise pollution
- Accidents
- Vibration
- Land-take
- Visual intrusion

4.3 Explain the environmental cost of warehousing and logistics

- Global warming
- Greenhouse gases
- Cost of environmental damage
- Cost of avoiding environmental damage
- International vs. national

4.4 Describe the role of government in promoting environmental sustainability

- Policy on sustainable logistics
- Reducing freight transport intensity and improving utilisation
- Greener modes of transport
- Energy efficiency
- Reducing emissions

About CIPS, the Chartered Institute of Procurement & Supply

The professional body

CIPS, a not-for-profit organisation that exists for the public good, is the voice of the profession, promoting and developing high standards of skill, ability and integrity among procurement and supply chain professionals.

Quality guaranteed

Our qualifications are recognised by OFQUAL in England and regulators in various countries, demonstrating that they meet specific quality standards.

The Global Standard

CIPS Global Standard in Procurement and Supply, which is freely available, sets the benchmark for what good looks like in the profession.

A commercial organisation

CIPS helps governments, development agencies, and businesses around the world to excel in procurement and supply, supporting them to improve and deliver results and raise standards.

A global community

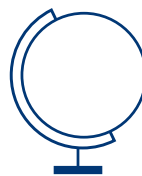
We are the world's largest professional body dedicated to procurement and supply with a global community of over 200,000 professionals in over 150 countries, and offices in Africa, Asia, Australia, the Middle East, Europe and USA.



Global Standard
freely available



Global network
of over 200,000



...in over 150
countries