

## SUPPLY CHAIN MANAGER

### SECTION 3B: PRACTICAL SKILL MODULE SPECIFICATIONS

#### List of Practical Skill Module Specifications

- 132401-001-01-00 PM-01 Translate the supply chain, priorities, objectives and targets into operational plans and performance objectives, NQF Level 6, Credits 14
- 132401-001-01-00 PM-02 Evaluate and align supply chain operational schedules with associated operational plans and performance objectives , NQF Level 6, Credits 10
- 132401-001-01-00 PM-03 Develop procedures for the implementation of operational plans, NQF Level 6, Credits 12
- 132401-001-01-00 PM-04 Determine contract specifications, NQF Level 5, Credits 6
- 132401-001-01-00 PM-05 Develop criteria to monitor implementation of operational plans against supply chain strategy, NQF Level 6, Credits 9
- 132401-001-01-00 PM-06 Develop criteria and evaluate operational scheduling implementation compliance, NQF Level 6, Credits 9

Total Credits 60

Module Title PM-01	Translate the supply chain priorities, objectives and targets into operational plans and performance objectives	NQF Level: 6	Credits: 14	LCT: 17.5
Purpose	<p>The focus of the learning in this module is on providing the learner an opportunity to develop and align operational plans or the supply chain to achieve supply chain, priorities, objectives and targets.</p> <p>The learning contract time, which is the time that reflects the required duration of enrolment for this module, is at least 17.5 days.</p> <p>The learner will be required to:</p>			
Practical Skills	<ul style="list-style-type: none"> <li>• Develop operational plans for demand sensing and planning</li> <li>• Develop operational plans for transport and distribution</li> <li>• Develop operational plans for inventory optimisation</li> <li>• Develop operational plans for production</li> <li>• Develop operational plans for supply panning</li> </ul>			

Practical Skill PM-01-PS01	Develop operational plans for demand sensing and planning	
Scope	Given case study containing end user budget and procurement plan and customer service segmentation documents, KPIs, strategic objectives and priorities, the learner must be able to;	
Practical Activities	Assessment Criteria	Applied Knowledge
Develop a sales / service delivery forecast	The end user budget and procurement plan and customer service segmentation documents accurately interpreted	Processes for developing operational plans  Demand sensing and planning processes

Develop performance objectives	KPIs, strategic objectives and priorities accurately interpreted into performance objectives for demand sensing and planning	
Determine risk and compliance requirements	Service delivery risks are accurately identified for demand sensing and planning	
Determine human resource requirements	Resource requirements accurately identified in terms of human resources, process design, systems and technology and financial resources	
Determine contracting requirements		
Determine process design and improvement requirements		
Determine systems and technology requirements		
Determine financial resource requirements and payment terms		

Practical Skill PM-01-PS02	Develop operational plans for transport and distribution		
Scope	Given case study containing end user budget and procurement plan and customer service segmentation documents, KPIs, strategic objectives and priorities, the learner must be able to;		
Practical Activities	Assessment Criteria	Applied Knowledge	
Develop a transport and distribution forecast (including fleet)	The end user budget and procurement plan and customer service segmentation documents accurately interpreted	Processes for developing operational plans  Transport and distribution processes	
Develop performance objectives	KPIs, strategic objectives and priorities accurately interpreted into performance objectives for transport and distribution		
Determine risk and compliance requirements	Service delivery risks are accurately identified for transport and distribution		
Determine human resource requirements	Resource requirements accurately identified in terms of human resources, process design, systems and technology and financial resources		
Determine contracting requirements			
Determine process design and improvement requirements			
Determine systems and technology requirements			
Determine financial resource requirements and			

payment terms		

Practical Skill PM-01-PS03	Develop operational plans for inventory optimisation	
Scope	Given case study containing end user budget and procurement plan transport and distribution plan, KPIs, strategic objectives and priorities, the learner must be able to;	
Practical Activities	Assessment Criteria	Applied Knowledge
Develop an inventory optimisation forecast	The transport and distribution plan (taking into account lead time and supplier reliability) accurately interpreted	Processes for developing operational plans  Inventory optimisation processes
Develop performance objectives	KPIs, strategic objectives and priorities accurately interpreted into performance objectives for inventory optimisation	
Determine risk and compliance requirements	Transport and distribution risks (including specialised cargo) are accurately identified for inventory optimisation	
Determine human resource requirements	Resource requirements accurately identified in terms of human resources, process design, systems and technology and financial resources	
Determine contracting requirements		
Determine process design and improvement requirements		
Determine systems and technology requirements		
Determine financial resource requirements and payment terms		

Practical Skill PM-01-PS04	Develop operational plans for production	
Scope	Given case study containing inventory optimisation and transport and distribution plan, KPIs, strategic objectives and priorities, the learner must be able to;	
Practical Activities	Assessment Criteria	Applied Knowledge
Develop an aggregate production plan	The inventory optimisation and transport and distribution plan accurately interpreted	Processes for developing operational plans Production risk analysis processes  Production processes
Develop performance objectives	KPIs, strategic objectives and priorities accurately interpreted into performance objectives for production	
Determine risk and	Production risks are	

compliance requirements	accurately identified	
Determine human resource requirements	Resource requirements accurately identified in terms of human resources, process design, systems and technology and financial resources	
Determine contracting requirements		
Determine process design and improvement requirements		
Determine systems and technology requirements		
Determine financial resource requirements and payment terms		

Practical Skill PM-01-PS05	Develop operational plans for supply planning		
Scope	Given case study containing end user budget and procurement plan and customer service segmentation documents, KPIs, strategic objectives and priorities, the learner must be able to;		
Practical Activities	Assessment Criteria	Applied Knowledge	
Develop a transport and distribution forecast (including fleet)	The end user budget and procurement plan and customer service segmentation documents accurately interpreted	Processes for developing operational plans  Supply planning processes	
Develop performance objectives	KPIs, strategic objectives and priorities accurately interpreted into performance objectives for supply planning		
Determine risk and compliance requirements	Service delivery risks are accurately identified for supply planning		
Determine human resource requirements	Resource requirements accurately identified in terms of human resources, process design, systems and technology and financial resources		
Determine contracting requirements			
Determine process design and improvement requirements			
Determine systems and technology requirements			
Determine financial resource requirements and payment terms			

### 1.3 Provider Programme Accreditation Criteria

#### *Physical Requirements:*

The provider must have case studies containing operational plans, end user budget and procurement plan and customer service segmentation documents, KPIs, strategic objective and priorities

*Human Resource Requirements:*

- Facilitator should have at least a Level 6 qualification or proven experience of at least 3 years related to supply chain management
- Facilitator/learner ratio 1 to 25

*Legal Requirements:*

- None

**1.4 Exemptions**

- None

Module Title PM-02	Evaluate and align supply chain operational schedules with associated operational plans and performance objectives	NQF Level: 6	Credits: 10	LCT: 12.5
Purpose	<p>The focus of the learning in this module is on providing the learner an opportunity to evaluate and align operational schedules to support operational plans.</p> <p>The learning contract time, which is the time that reflects the required duration of enrolment for this module, is at least xx days.</p> <p>The learner will be required to:</p>			
Practical Skills	<ul style="list-style-type: none"> <li>• Evaluate operational schedules</li> <li>• Align operational schedules</li> </ul>			

Practical Skill PM-02-PS01	Evaluate operational schedules		
Scope	Given case studies containing demand execution management, transport and distribution, warehousing and facilities, production and procurement operational schedules, the learner must be able to;		
Practical Activities	Assessment Criteria	Applied Knowledge	
Identify demand execution management demand and supply imbalances	All demand and supply imbalances and hard and soft constraints for demand execution management are accurately identified	Demand execution management processes	
Identify demand execution management hard and soft constraints		Transport and distribution processes	
Identify transport and distribution demand and supply imbalances	All demand and supply imbalances and hard and soft constraints for transport and distribution are accurately identified	Warehousing and facility processes	
Identify transport and distribution hard and soft constraints		Production processes Procurement processes	
Identify warehousing and facilities demand and supply imbalances	All demand and supply imbalances and hard and soft constraints for warehousing and facilities are accurately identified		
Identify warehousing and facilities hard and soft			

constraints		
Identify production demand and supply imbalances	All demand and supply imbalances and hard and soft constraints for production are accurately identified	
Identify production hard and soft constraints		
Identify procurement demand and supply imbalances	All demand and supply imbalances and hard and soft constraints for procurement are accurately identified	
Identify procurement hard and soft constraints		

Practical Skill PM-02-PS02	Align operational schedules	
Scope	Given case studies containing demand execution management, transport and distribution, warehousing and facilities, production and procurement operational schedules, the learner must be able to;	
Practical Activities	Assessment Criteria	Applied Knowledge
Resolve demand execution management demand and supply imbalances	Demand execution management operational schedules do not contain any imbalances and do not contain any bottlenecks	Demand execution management processes Transport and distribution processes Warehousing and facility processes Production processes Procurement processes
Resolve demand execution management hard and soft constraints		
Resolve transport and distribution demand and supply imbalances	Transport and distribution operational schedules do not contain any imbalances and do not contain any bottlenecks	
Resolve transport and distribution hard and soft constraints		
Resolve warehousing and facilities demand and supply imbalances	Warehousing and facilities operational schedules do not contain any imbalances and do not contain any bottlenecks	
Resolve warehousing and facilities hard and soft constraints		
Resolve production demand and supply imbalances	Production operational schedules do not contain any imbalances and do not contain any bottlenecks	
Resolve production hard and soft constraints		
Resolve procurement demand and supply imbalances	Procurement operational schedules do not contain any imbalances and do not contain any bottlenecks	
Resolve procurement hard and soft constraints		

### 2.3 Provider Programme Accreditation Criteria

*Physical Requirements:*

The provider must have case studies containing demand execution management, transport and distribution, warehousing and facilities, production and procurement operational schedules

*Human Resource Requirements:*

- Facilitator should have at least a Level 6 qualification or proven experience of at least 3 years related to supply chain management
- Facilitator/learner ratio 1 to 25

*Legal Requirements:*

- None

**2.4 Exemptions**

- None

Module Title PM-03	Develop procedures for the implementation of operational plans	NQF Level: 6	Credits: 12	LCT: 15
Purpose	<p>The focus of the learning in this module is on providing the learner an opportunity to identify process flows, process controls and allocate roles and responsibilities required for the implementation of operational plans</p> <p>The learning contract time, which is the time that reflects the required duration of enrolment for this module, is at least 15 days.</p> <p>The learner will be required to:</p>			
Practical Skills	<ul style="list-style-type: none"> <li>• Develop procedures for demand sensing and planning</li> <li>• Develop procedures for distribution planning</li> <li>• Develop procedures for inventory optimisation</li> <li>• Develop procedures for production planning</li> <li>• Develop procedures for supply planning</li> </ul>			

Practical Skill PM-03-PS01	Develop procedures for demand sensing and planning		
Scope	Given examples of operational plans for demand sensing and planning, the learner must be able to;		
Practical Activities	Assessment Criteria	Applied Knowledge	
Identify process flow	Procedures for demand sensing and planning are documented and reflects the process flow, process controls and roles and responsibilities	Demand sensing and planning processes	
Identify process controls			
Allocate roles and responsibilities			

Practical Skill PM-03-PS02	Develop procedures for distribution planning		
Scope	Given examples of operational plans for distribution planning, the learner must be able to;		
Practical Activities	Assessment Criteria	Applied Knowledge	

Identify process flow	Procedures for distribution planning are documented and reflects the process flow, process controls and roles and responsibilities	Distribution planning processes
Identify process controls		
Allocate roles and responsibilities		

Practical Skill PM-03-PS03	Develop procedures for inventory optimisation	
Scope	Given examples of operational plans for inventory optimisation, the learner must be able to;	
Practical Activities	Assessment Criteria	Applied Knowledge
Identify process flow	procedures for inventory optimisation are documented and reflects the process flow, process controls and roles and responsibilities	Inventory optimisation planning processes
Identify process controls		
Allocate roles and responsibilities		

Practical Skill PM-03-PS04	Develop procedures for production planning	
Scope	Given examples of operational plans for production planning, the learner must be able to;	
Practical Activities	Assessment Criteria	Applied Knowledge
Identify process flow	procedures for production planning are documented and reflects the process flow, process controls and roles and responsibilities	Production planning processes
Identify process controls		
Allocate roles and responsibilities		

Practical Skill PM-03-PS05	Develop procedures for supply planning	
Scope	Given examples of operational plans for supply planning, the learner must be able to;	
Practical Activities	Assessment Criteria	Applied Knowledge
Identify process flow	procedures for supply planning are documented and reflects the process flow, process controls and roles and responsibilities	Supply planning processes
Identify process controls		
Allocate roles and responsibilities		

### 3.3 Provider Programme Accreditation Criteria

#### *Physical Requirements:*

The provider must have operational plans for demand sensing and planning, distribution planning, inventory optimisation, production planning and supply planning

#### *Human Resource Requirements:*



- Facilitator should have at least a Level 6 qualification or proven experience of at least 3 years related to supply chain management
- Facilitator/learner ratio 1 to 25

*Legal Requirements:*

- None

### 3.4 Exemptions

- None

Module Title PM-04	Determine contract specifications	NQF Level: 5	Credits: 6	LCT: 7.5
Purpose	<p>The focus of the learning in this module is on providing the learner an opportunity to determine the scope of work required for outsourced functions to be able to manage contract deliverables</p> <p>The learning contract time, which is the time that reflects the required duration of enrolment for this module, is at least 7.5 days.</p> <p>The learner will be required to:</p>			
Practical Skills	<ul style="list-style-type: none"> <li>• Confirm scope of work</li> <li>• Determine service level requirements</li> <li>• Establish terms</li> </ul>			

Practical Skill PM-04-PS01	Confirm scope of work		
Scope	Given case studies containing examples of operational plans and procedures, the learner must be able to;		
Practical Activities	Assessment Criteria	Applied Knowledge	
Confirm specification	Scope of work clearly defined in terms of specification, special conditions and SLA deliverables	Contract negotiation processes Contract requirements	
Confirm special conditions			
Confirm SLA deliverables			

Practical Skill PM-04-PS02	Determine service level requirements		
Scope	Given case studies containing examples of operational plans and procedures, the learner must be able to;		
Practical Activities	Assessment Criteria	Applied Knowledge	
Determine quality	Service level requirements clearly outlined in terms of quality, quantity, place, time and cost	Contract negotiation processes Contract requirements	
Determine quantity			
Determine place			
Determine time			
Determine cost			

Practical Skill PM-04-PS03	Establish terms		
Scope	Given case studies containing examples of operational plans and procedures, the learner must be able to;		
Practical Activities	Assessment Criteria	Applied Knowledge	
Determine payment schedule	Contract terms are clearly outlined in terms of deliverables and milestones	Contract negotiation processes Contract requirements	
Determine deliverables / milestones			

### 4.3 Provider Programme Accreditation Criteria

#### *Physical Requirements:*

The provider must have case studies containing examples of operational plans and procedures, the learner must be able to;

#### *Human Resource Requirements:*

- Facilitator should have at least a Level 6 qualification or proven experience of at least 3 years related to supply chain management
- Facilitator/learner ratio 1 to 25

#### *Legal Requirements:*

- None

### 4.4 Exemptions

- None

Module Title PM-05	Develop criteria to monitor implementation of operational plans against supply chain strategy	NQF Level: 6	Credits: 9	LCT: 11.25
Purpose	<p>The focus of the learning in this module is on providing the learner an opportunity to develop a monitoring process to track operational performance by developing time lines and criteria for reporting and formulating KPIs</p> <p>The learning contract time, which is the time that reflects the required duration of enrolment for this module, is at least 11.25 days.</p> <p>The learner will be required to:</p>			
Practical Skills	<ul style="list-style-type: none"> <li>• Develop criteria for monitoring demand sensing and planning adherence to operational plans</li> <li>• Develop criteria for monitoring distribution planning adherence to performance</li> <li>• Develop criteria for monitoring inventory optimisation adherence to performance</li> <li>• Develop criteria for monitoring production planning adherence to performance</li> <li>• Develop criteria for monitoring supply planning adherence to</li> </ul>			

	performance
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Practical Skill PM-05-PS01	Develop criteria for monitoring demand sensing and planning adherence to operational plans		
Scope	Given examples of demand sensing and planning operational plans, the learner must be able to;		
Practical Activities	Assessment Criteria	Applied Knowledge	
Identify KPIs for monitoring	Comprehensive set of KPIs and timelines aligned to the scope of work for  Measured procurement actual performance compared to performance target is comprehensive	Monitoring processes	
Identify timelines for the monitoring		Monitoring best practices	
Align criteria to the scope of work			

Practical Skill PM-05-PS02	Develop criteria for monitoring distribution planning adherence to performance		
Scope	Given examples of distribution planning operational plans, the learner must be able to;		
Practical Activities	Assessment Criteria	Applied Knowledge	
Identify KPIs for monitoring	Comprehensive set of KPIs and timelines aligned to the scope of work for	Monitoring n processes	
Identify timelines for the monitoring		Monitoring best practices	
Align criteria to the scope of work			

Practical Skill PM-05-PS03	Develop criteria for monitoring inventory optimisation adherence to performance		
Scope	Given examples of inventory optimisation operational plans, the learner must be able to;		
Practical Activities	Assessment Criteria	Applied Knowledge	
Identify KPIs for monitoring	Comprehensive set of KPIs and timelines aligned to the scope of work for	Monitoring processes	
Identify timelines for the monitoring		Monitoring best practices	
Align criteria to the scope of work			

Practical Skill PM-05-PS04	Develop criteria for monitoring production planning adherence to performance		
Scope	Given examples of production planning operational plans, the learner must be able to;		
Practical Activities	Assessment Criteria	Applied Knowledge	
Identify KPIs for monitoring	Comprehensive set of KPIs and timelines aligned to the	Monitoring processes	
Identify timelines for the			

monitoring	scope of work for	Monitoring best practices
Align criteria to the scope of work		

Practical Skill PM-05-PS05	Develop criteria for monitoring supply planning adherence to performance	
Scope	Given examples of supply planning operational plans, the learner must be able to;	
Practical Activities	Assessment Criteria	Applied Knowledge
Identify KPIs for monitoring	Comprehensive set of KPIs and timelines aligned to the scope of work for	Monitoring processes Monitoring best practices
Identify timelines for the monitoring		
Align criteria to the scope of work		

### 5.3 Provider Programme Accreditation Criteria

#### *Physical Requirements:*

The provider must have examples of demand sensing and planning, distribution planning, inventory optimisation, production planning and supply planning operational plans,

#### *Human Resource Requirements:*

- Facilitator should have at least a Level 6 qualification or proven experience of at least 3 years related to supply chain management
- Facilitator/learner ratio 1 to 25

#### *Legal Requirements:*

- None

### 5.4 Exemptions

- None

Module Title PM-06	Develop criteria and evaluate operational scheduling implementation compliance	NQF Level: 6	Credits: 9	LCT: 11.25
Purpose	<p>The focus of the learning in this module is on providing the learner an opportunity to develop criteria and evaluate operational schedule implementation.</p> <p>The learning contract time, which is the time that reflects the required duration of enrolment for this module, is at least 11.25 days.</p> <p>The learner will be required to:</p>			
Practical Skills	<ul style="list-style-type: none"> <li>• Develop criteria for the evaluation of demand execution management performance</li> <li>• Develop criteria for the evaluation of transport and distribution performance</li> </ul>			

	<ul style="list-style-type: none"> <li>• Develop criteria for the evaluation of warehousing and facilities performance</li> <li>• Develop criteria for the evaluation of production performance</li> <li>• Develop criteria for the evaluation of procurement performance</li> </ul>
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Practical Skill PM-06-PS01	Develop criteria for the evaluation of demand execution management performance		
Scope	Given examples of demand execution management plans and reports, the learner must be able to;		
Practical Activities	Assessment Criteria	Applied Knowledge	
Develop criteria for the evaluation of demand execution management performance	Evaluation report include positive and negative variance of performance, policy and process non-conformance and corrective actions	Performance evaluation processes Demand execution management processes	
Specify performance measurement formats and timeframes			
Evaluate performance			
Develop criteria for the measurement policy and process non-conformance			
Determine degree, severity and implications of under and over performance			

Practical Skill PM-06-PS02	Develop criteria for the evaluation of transport and distribution performance		
Scope	Given examples of transport and distribution plans and reports, the learner must be able to;		
Practical Activities	Assessment Criteria	Applied Knowledge	
Develop criteria for the evaluation of transport and distribution performance	Evaluation report include positive and negative variance of performance, policy and process non-conformance and corrective actions	Performance evaluation processes  Transport and distribution processes	
Specify performance measurement formats and timeframes			
Evaluate performance			
Develop criteria for the measurement policy and process non-conformance			
Determine degree, severity and implications of under and over performance			

Practical Skill PM-06-PS03	Develop criteria for the evaluation of warehousing and facilities performance		
Scope	Given examples of warehousing and facilities plans and reports, the learner		

	must be able to;	
Practical Activities	Assessment Criteria	Applied Knowledge
Develop criteria for the evaluation of warehousing and facilities performance	Evaluation report include positive and negative variance of performance, policy and process non-conformance and corrective actions	Performance evaluation processes
Specify performance measurement formats and timeframes		Warehousing and facility processes
Evaluate performance		
Develop criteria for the measurement policy and process non-conformance		
Determine degree, severity and implications of under and over performance		

Practical Skill PM-06-PS04	Develop criteria for the evaluation of production performance	
Scope	Given examples of production plans and reports, the learner must be able to;	
Practical Activities	Assessment Criteria	Applied Knowledge
Develop criteria for the evaluation of production performance	Evaluation report include positive and negative variance of performance, policy and process non-conformance and corrective actions	Performance evaluation processes
Specify performance measurement formats and timeframes		Production processes
Evaluate performance		
Develop criteria for the measurement policy and process non-conformance		
Determine degree, severity and implications of under and over performance		

Practical Skill PM-06-PS05	Develop criteria for the evaluation of procurement performance	
Scope	Given examples of demand execution management, transport and distribution, warehousing and facilities, production and procurement plans and reports, the learner must be able to;	
Practical Activities	Assessment Criteria	Applied Knowledge
Develop criteria for the evaluation of demand execution management performance	Evaluation report include positive and negative variance of performance, policy and process non-conformance and corrective actions	Performance evaluation processes
Specify performance measurement formats and timeframes		Demand execution management processes Transport and distribution processes Warehousing and facility

Evaluate performance		processes Production processes Procurement processes
Develop criteria for the measurement policy and process non-conformance		
Determine degree, severity and implications of under and over performance		

### 6.3 Provider Programme Accreditation Criteria

#### *Physical Requirements:*

The provider must have examples of demand execution management, transport and distribution, warehousing and facilities, production and procurement plans and reports,

#### *Human Resource Requirements:*

- Facilitator should have at least a Level 6 qualification or proven experience of at least 3 years related to supply chain management
- Facilitator/learner ratio 1 to 25

#### *Legal Requirements:*

- None

### 6.4 Exemptions

- None