

MODULE LOG2020: TRAFFIC & TRANSPORT 2

Level: Intermediate
Theme: Traffic and Transportation
Prerequisite: LOG1030 Traffic & Transport 1

Module Description: Students develop basic skills in tracking, route planning, scheduling, load planning and other competencies related to handling outgoing shipments, including documentation, customs (import and export), weather and climate conditions, and strategies for preventive maintenance in traffic and transportation.

Module Parameters: Access to logistics-related traffic and transportation operations; a driver’s licence may be required.

Curriculum and Assessment Standards

| Module Learner Expectations | Assessment Criteria and Conditions | Suggested Emphasis |
|---|--|---|
| <p><i>The student will:</i></p> <ul style="list-style-type: none"> • demonstrate basic skills in: <ul style="list-style-type: none"> – tracking, route planning and scheduling – completing and maintaining documentation – load planning, measuring and calculating – handling equipment – preparing outgoing shipments • identify and describe the role of: <ul style="list-style-type: none"> – customs, import and export – safety standards – weather and climate conditions – preventive maintenance | <p><i>Assessment of student achievement should be based on:</i></p> <ul style="list-style-type: none"> • demonstrating competencies in: <ul style="list-style-type: none"> – using tracking systems and two-way communication devices – identifying and applying various formats for planning and scheduling routes – reading and maintaining shipping and transportation manifests, log books – tracing and taking claim actions – identifying weight restrictions and applying them to product specific needs – calculating cubic capacity, displacement and density for transportation vehicles and loads – safely using equipment and aids – preparing shipments according to customer and industry requirements, and performing marshalling activities – completing and maintaining import and export customs documentation – following appropriate safety standards – assisting in contingency planning for annually occurring and emergency conditions – using preventive maintenance procedures, recognizing defects, and initiating corrective measures. <p><i>Assessment Tool</i> <i>LOG2020: Traffic & Transport 2 Competency Profile and Assessment Checklist</i></p> <p><i>Standard</i> <i>A minimum performance rating of 2 for each applicable area of assessment</i></p> | <p></p> <p>10</p> <p>10</p> <p>5</p> <p>5</p> <p>5</p> <p>5</p> <p>10</p> <p>20</p> <p></p> <p>5</p> <p>10</p> <p>5</p> <p>10</p> |

MODULE LOG2020: TRAFFIC & TRANSPORT 2 (continued)

| Module Learner Expectations | Assessment Criteria and Conditions | Suggested Emphasis |
|---|--|------------------------------|
| <p><i>The student will:</i></p> <ul style="list-style-type: none"> demonstrate basic competencies. | <p><i>Assessment of student achievement should be based on:</i></p> <ul style="list-style-type: none"> observations of individual effort and interpersonal interaction during the learning process. <p><i>Assessment Tool</i> <i>Basic Competencies Reference Guide and any assessment tools noted above</i></p> | <p>Integrated throughout</p> |

| Concept | Specific Learner Expectations | Notes |
|--|---|-------|
| <p>Tracking, Route Planning and Scheduling</p> | <p><i>The student should:</i></p> <ul style="list-style-type: none"> explain the purpose of tracking systems demonstrate basic ability to use: <ul style="list-style-type: none"> tracking systems two-way communication devices demonstrate ability to use a map to plan a route; e.g.: <ul style="list-style-type: none"> traditional format computerized format assist in planning a route assist in planning a schedule to meet customer needs and requirements. | |
| <p>Documentation</p> | <ul style="list-style-type: none"> explain the purpose of and the difference between a shipping manifest and a transportation manifest describe the purpose of a log book assist in maintaining a log book initiate tracing action on delayed shipments initiate claim action on damaged goods. | |

MODULE LOG2020: TRAFFIC & TRANSPORT 2 (continued)

| Concept | Specific Learner Expectations | Notes |
|--|---|-------|
| Customs, Import and Export | <p><i>The student should:</i></p> <ul style="list-style-type: none"> • identify and explain the purpose of import and export customs documentation • assist, where appropriate, in the preparation of import and export customs documentation; e.g.: <ul style="list-style-type: none"> – initiating the clearance of incoming shipments – maintaining a register • assist in maintaining an efficient filing system for all customs documentation. | |
| Load Planning | <ul style="list-style-type: none"> • list and explain the procedure for load planning • describe key factors in load planning; e.g.: <ul style="list-style-type: none"> – weight restrictions – product specific needs • assist in developing a load plan • assist in identifying potential carriers with respect to service, reliability and rates. | |
| Measurement and Calculation | <ul style="list-style-type: none"> • measure and calculate available space in various transportation vehicles, vessels; e.g.: <ul style="list-style-type: none"> – cubic capacity – displacement – density • explain the relationship of the above measurements to load planning • apply measurement and calculation skills in load planning. | |
| Outgoing Shipments <ul style="list-style-type: none"> • Packing • Packaging • Labelling • Documentation • Loading | <ul style="list-style-type: none"> • demonstrate ability to: <ul style="list-style-type: none"> – package goods to meet customer requirements and industry standards – pack items to meet shipping standards – label goods and shipments appropriately – complete outgoing documentation – assist in loading outgoing shipments. | |

MODULE LOG2020: TRAFFIC & TRANSPORT 2 (continued)

| Concept | Specific Learner Expectations | Notes |
|---|--|--|
| Weather and Climate Conditions | <p><i>The student should:</i></p> <ul style="list-style-type: none"> • explain the potential impact of weather and climate conditions on: <ul style="list-style-type: none"> – modes of transportation – vehicles and vessels – road closures, bridge/ferry usage, seasonal road bans and weight restrictions • describe how a logistics operation deals with: <ul style="list-style-type: none"> – annually occurring conditions – emergency conditions; e.g., contingency planning. | |
| Safety Standards | <ul style="list-style-type: none"> • demonstrate application of appropriate safety standards including the use of: <ul style="list-style-type: none"> – wheel checks – reflector kits – fire extinguishers – personal protective equipment. | |
| Preventive Maintenance, Strategies and Procedures | <ul style="list-style-type: none"> • explain the purpose of preventive maintenance (PM) • identify, describe and demonstrate appropriate types of maintenance activities • describe defects and initiate corrective procedures. | |
| Equipment Handling | <ul style="list-style-type: none"> • demonstrate basic ability to handle, operate and/or use various equipment and aids relating to traffic and transportation. | Need for students to become certified as licensed before using or operating equipment or aids. |
| Dangerous Goods | <ul style="list-style-type: none"> • describe special procedures required to transport dangerous goods in each mode and for each vehicle or vessel • demonstrate special procedures and safe handling of dangerous goods. | |

MODULE LOG2020: TRAFFIC & TRANSPORT 2 (continued)

| Concept | Specific Learner Expectations | Notes |
|----------------------|---|--|
| Career Opportunities | <p><i>The student should:</i></p> <ul style="list-style-type: none"> • identify and describe requirements for entry into a traffic and transportation career as: <ul style="list-style-type: none"> – freight checker – swamper – brokerage clerk – traffic coordinator – dispatcher – distribution supervisor. | <p>Include a wide variety of requirements; e.g.:</p> <ul style="list-style-type: none"> • academic • technical • teamwork • communication • numeracy. |