

CORE OBJECTIVES (LTE)

1. Engineering Practice	Code	ES Initials & Date of Assessment			
		G	K	E	C
1.1 Policy, Regulations & Basics a) Transport policies b) Regulatory framework c) Relevant laws, regulations and ordinances, customs and tariff rules d) Standards and codes of practice e) Design manuals and statutory requirements	G				
1.2 Data Collection, Survey, Measurement and Statistical Analysis [At least 2 of the following] a) Quality Control Sampling Method b) Statistical Process Control (SPC)/ Statistical Quality Control (SQC) c) Measurement e.g. use of measuring instruments d) Design and implementation of database systems e) Data/ Information collection, treatment and analysis f) Statistical analysis and practical recommendations g) Measurement of systems performance h) Traffic & transport surveys (planning, design and execution) i) Automatic traffic counting technologies and devices j) Transport statistics and data k) Research for improvement initiatives l) Computer simulation to support analysis	K				

CORE OBJECTIVES (LTE)

1. Engineering Practice	Code	ES Initials & Date of Assessment			
		G	K	E	C
1.3 Management, Operation and Other Activities Related to Logistics Systems or Transport Systems [Choose 3.1 or 3.2] 1.3.1 Activities Related to Logistics Systems (i) Logistics Operations [At least 2 of the following] a) Logistics information systems b) Warehouse operations c) Resource planning and allocation d) Freight forwarding e) Supply chain integration f) Third party logistics g) Shipping and port logistics h) Air logistics i) Transportation management j) Logistics systems safety & security, TAPA, C-TPAT, and AEO k) Digital trade & transportation network (DTTN) l) Environmentally responsible logistics m) Cold-chain, special and/or dangerous goods handling (ii) Associated Technical Activities on Logistics Systems [At least 4 of the following] a) Demand forecasting b) Inventory control c) Transportation operations and management d) Vehicle routing, scheduling & fleet dispatching e) Optimisation of transportation carrier operations f) Supply chain network design g) Procurement and sourcing h) Management of supply chain i) Supply contracts and collaboration j) Distribution management k) Material handling and transfer automation l) Warehouse operations and management m) Standard operations procedures design n) Wireless and mobile applications in logistics	C/E				
	C/E				

CORE OBJECTIVES (LTE)

1. Engineering Practice	Code	ES Initials & Date of Assessment			
		G	K	E	C
<p>(iii) Industrial Management and Commercial Activities [At least 2 of the following]</p> <ul style="list-style-type: none"> a) Organisation and methods b) Training/ Human resources management c) Purchasing/ supply/ supplier relationship management d) Receiving and warehousing e) Dispatch and transportation f) Sales/ marketing and business development g) Plant engineering/ maintenance h) Logistics and support i) Security of plant, product and service j) Services product development and/or customers liaison k) Materials management e.g. sourcing, specifications, requirements 	C/E				

