

Highway Toll Traffic Channelizer

QP Code: ASC/Q9732

NSQF Level: 2

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ASC/Q9732: Highway Toll Traffic Channelizer

Brief Job Description

A candidate in this job role works as a lane guider for the lane that he is assigned to and also helps in smooth traffic management at toll plaza.

Personal Attributes

Must exhibit good customer service attributes: courteous, solution-oriented, polite, reliable, good decision-making skills, etc. Possess an alert mind and a physically active body.

Applicable National Occupational Standards (NOS)

Compulsory NOS:

1. [ASC/N0002: Work effectively in a team](#)
2. [ASC/N0003: Maintain a healthy, safe and secure working environment](#)
3. [ASC/N9732: Perform lane management at toll plaza](#)

Qualification Pack (QP) Parameters

| | |
|---|---|
| Sector | Automotive |
| Sub-Sector | Road Transportation |
| Occupation | Channelizer |
| Country | India |
| NSQF Level | 2 |
| Aligned to NCO/ISCO/ISIC Code | NCO-2015/NIL |
| Minimum Educational Qualification & Experience | 10th Class with Not applicable of experience Not applicable OR 10th Class OR 10th Class |
| Minimum Level of Education for Training in School | |
| Pre-Requisite License or Training | NA |
| Minimum Job Entry Age | 18 Years |

| | |
|---------------------------|------------|
| Last Reviewed On | 24/11/2016 |
| Next Review Date | 31/03/2020 |
| NSQC Approval Date | |
| Version | 1.0 |

ASC/N0002: Work effectively in a team

Description

This NOS unit is about working effectively with colleagues, either in individuals own work group or in other work groups within organisation

Scope

This unit/task covers the following: Colleagues: Superiors Members of own work group People in other work groups within or outside the organisation Communicate: Face-to-face By telephone In writing

- Superiors
- Members of own work group
- People in other work groups within or outside the organisation
- Face-to-face
- By telephone
- In writing

Elements and Performance Criteria

Effective communication

To be competent, the user/individual on the job must be able to:

- PC1.** maintain clear communication with colleagues
- PC2.** work with colleagues
- PC3.** pass on information to colleagues in line with organisational requirements
- PC4..** work in ways that show respect for colleagues
- PC5.** carry out commitments made to colleagues
- PC6.** let colleagues know in good time if cannot carry out commitments, explaining the reasons
- PC7.** identify problems in working with colleagues and take the initiative to solve these problems
- PC8.** follow the organisations policies and procedures for working with colleagues
- PC9.** ability to share resources with other members as per priority of tasks

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the organisations policies and procedures for working with colleagues, role and responsibilities in relation to this
- KU2.** the importance of effective communication and establishing good working relationships with colleagues
- KU3.** different methods of communication and the circumstances in which it is appropriate to use these
- KU4.** benefits of developing productive working relationships with colleagues
- KU5.** the importance of creating an environment of trust and mutual respect
- KU6.** whether not meeting commitments, will have implications on individuals and the organisation

- KU7.** different types of information that colleagues might need and the importance of providing this information when it is required
- KU8.** the importance of problems, from colleagues perspective and how to provide support, where necessary, to resolve these

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** complete well written work with attention to detail
- GS2.** read instructions, guidelines/procedures
- GS3.** listen effectively and orally communicate information
- GS4.** make decisions on a suitable course of action or response
- GS5.** plan and organise work to achieve targets and deadlines
- GS6.** check that the work meets customer requirements
- GS7.** deliver consistent and reliable service to customers
- GS8.** apply problem solving approaches in different situations
- GS9.** apply balanced judgements to different situations
- GS10.** apply good attention to detail
- GS11.** check that the work is complete and free from errors
- GS12.** get work checked by peers
- GS13.** work effectively in a team environment

Assessment Criteria

| Assessment Criteria for Outcomes | Theory Marks | Practical Marks | Project Marks | Viva Marks |
|--|--------------|-----------------|---------------|------------|
| <i>Effective communication</i> | | | | |
| PC1. maintain clear communication with colleagues | 4 | 10 | - | - |
| PC2. work with colleagues | 2 | 7 | - | - |
| PC3. pass on information to colleagues in line with organisational requirements | 3 | 8 | - | - |
| PC4.. work in ways that show respect for colleagues | 3 | 8 | - | - |
| PC5. carry out commitments made to colleagues | 2 | 8 | - | - |
| PC6. let colleagues know in good time if cannot carry out commitments, explaining the reasons | 2 | 8 | - | - |
| PC7. identify problems in working with colleagues and take the initiative to solve these problems | 4 | 9 | - | - |
| PC8. follow the organisations policies and procedures for working with colleagues | 3 | 9 | - | - |
| PC9. ability to share resources with other members as per priority of tasks | 2 | 8 | - | - |
| NOS Total | 25 | 75 | - | - |

National Occupational Standards (NOS) Parameters

| | |
|----------------------------|---|
| NOS Code | ASC/N0002 |
| NOS Name | Work effectively in a team |
| Sector | Automotive |
| Sub-Sector | Manufacturing and R&D, Sales and Service, Road Transportation |
| Occupation | Maintenance |
| NSQF Level | 4 |
| Credits | TBD |
| Version | 1.0 |
| Last Reviewed Date | 23/09/2013 |
| Next Review Date | 30/09/2015 |
| NSQC Clearance Date | 28/09/2015 |

ASC/N0003: Maintain a healthy, safe and secure working environment

Description

This NOS unit is about monitoring the working environment and making sure it meets requirements for health, safety and security

Scope

This unit/task covers the following:

- Resources (both material & manpower) needed to maintain a safe working environment as per the prevalent norms & government policies including emergency procedures for illness, accidents, fires or any other reason which may involve evacuation of the premises

Elements and Performance Criteria

Resources needed to maintain a safe, secure working environment

To be competent, the user/individual on the job must be able to:

- PC1.** comply with organisations current health, safety and security policies and procedures
- PC2.** report any identified breaches in health, safety, and security policies and procedures to the designated person
- PC3..** Coordinate with other resources at the workplace to achieve the healthy, safe and secure environment for all incorporating all government norms esp. for emergency situations like fires, earthquakes etc.
- PC4.** identify and correct any hazards like illness, accidents, fires or any other natural calamity safely and within the limits of individuals authority
- PC5.** report any hazards outside the individuals authority to the relevant person in line with organisational procedures and warn other people who may be affected
- PC6.** follow organisations emergency procedures for accidents, fires or any other natural calamity
- PC7.** identify and recommend opportunities for improving health, safety, and security to the designated person
- PC8.** complete all health and safety records are updates and procedures well defined

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** legislative requirements and organisations procedures for health, safety and security and individuals role and responsibilities in relation to this
- KU2.** what is meant by a hazard, including the different types of health and safety hazards that can be found in the workplace
- KU3.** how and when to report hazards
- KU4.** the limits of responsibility for dealing with hazards
- KU5.** the organisations emergency procedures for different emergency situations and the importance of following these

- KU6.** the importance of maintaining high standards of health, safety and security
- KU7.** implications that any non-compliance with health, safety and security may have on individuals and the organisation
- KU8.** different types of breaches in health, safety and security and how and when to report these
- KU9.** evacuation procedures for workers and visitors
- KU10.** how to summon medical assistance and the emergency services, where necessary
- KU11.** how to use the health, safety and accident reporting procedures and the importance of these

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** complete accurate, well written work with attention to detail
- GS2.** read instructions, guidelines/procedures/rules
- GS3.** listen and orally communicate information
- GS4.** make decisions on a suitable course of action or response
- GS5.** plan and organise work to achieve targets and deadlines
- GS6.** build and maintain positive and effective relationships with colleagues and customers
- GS7.** apply problem solving approaches in different situations
- GS8.** analyse data and activities
- GS9.** apply balanced judgements to different situations
- GS10.** apply good attention to detail
- GS11.** check that the work is complete and free from errors
- GS12.** get work checked by peers
- GS13.** work effectively in a team environment

Assessment Criteria

| Assessment Criteria for Outcomes | Theory Marks | Practical Marks | Project Marks | Viva Marks |
|--|--------------|-----------------|---------------|------------|
| <i>Resources needed to maintain a safe, secure working environment</i> | | | | |
| PC1. comply with organisations current health,safety and security policies and procedures | 3 | 9 | - | - |
| PC2. report any identified breaches in health,safety, and security policies and procedures to the designated person | 3 | 10 | - | - |
| PC3.. Coordinate with other resources at the workplace to achieve the healthy, safe and secure environment for all incorporating all government norms esp. for emergency situations like fires,earthquakes etc. | 3 | 10 | - | - |
| PC4. identify and correct any hazards like illness, accidents, fires or any other natural calamity safely and within the limits of individuals authority | 5 | 10 | - | - |
| PC5. report any hazards outside the individuals authority to the relevant person in line with organisational procedures and warn other people who may be affected | 3 | 9 | - | - |
| PC6. follow organisations emergency procedures for accidents, fires or any other natural calamity | 3 | 10 | - | - |
| PC7. identify and recommend opportunities for improving health,safety, and security to the designated person | 3 | 8 | - | - |
| PC8. complete all health and safety records are updates and procedures well defined | 2 | 9 | - | - |
| NOS Total | 25 | 75 | - | - |

National Occupational Standards (NOS) Parameters

| | |
|----------------------------|---|
| NOS Code | ASC/N0003 |
| NOS Name | Maintain a healthy, safe and secure working environment |
| Sector | Automotive |
| Sub-Sector | Manufacturing and R&D, Sales and Service, Road Transportation |
| Occupation | Auto Components/Aggregates Repair |
| NSQF Level | 4 |
| Credits | NA |
| Version | 1.0 |
| Last Reviewed Date | 10/06/2013 |
| Next Review Date | 10/06/2015 |
| NSQC Clearance Date | 20/07/2015 |

ASC/N9732: Perform lane management at toll plaza

Description

A Highway Toll Traffic Channelizer supports toll collector and toll attendant in smooth traffic management and allow vehicles to proceed to the designated lane. Channelizer is also called as traffic marshal

Scope

This unit/task covers the following:

- Work safely
- Assist in lane management

Elements and Performance Criteria

Work safely

To be competent, the user/individual on the job must be able to:

- PC1.** work safely at all times, complying with health and safety legislation, regulations and other relevant guidelines
- PC2.** adhere to procedures or systems in place for health and safety, personal protective equipment (PPE) and other relevant safety regulations
Personal Protective Equipment: Safety helmet, safety vests/jackets, hand held flasher/baton
- PC3.** take measures to protect yourself from incoming traffic

Assist in lane management

To be competent, the user/individual on the job must be able to:

- PC4.** check for the working of communication equipment and flasher
- PC5.** identify the class of the vehicle and allow it to pass through a designated lane
- PC6.** divert the traffic to other lanes incase of any disputes/malfunction at toll booths
- PC7.** follow standard procedure to accord priority to convey vehicles, emergency vehicles and exempt vehicles
- PC8.** ensure that all the vehicles pass through the designated lane and the stipulated toll is paid
- PC9.** stop any vehicle from fleeing without paying the stipulated toll and inform the plaza controller/shift incharge
- PC10.** address road users queries if any promptly and politely
- PC11.** seek help from plaza controller/shift incharge when faced with difficult situations or responsible authority on how to resolve problems immediately

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** relevant legislation, standards, policies, and procedures followed in the company relevant to own employment and performance conditions
- KU2.** relevant health and safety requirements applicable in the work place

- KU3.** own job role and responsibilities and sources for information pertaining to employment terms, entitlements, job role and responsibilities
- KU4.** reporting structure, inter-dependent functions, lines and procedures in the work area
- KU5.** how to engage with concerned persons for support in order to resolve incidents
- KU6.** importance of working in clean and safe environment practices and procedures
- KU7.** relevant people and their responsibilities within the work area
- KU8.** escalation matrix and procedures for reporting work and employment related issues
- KU9.** importance of using personal protective equipment appropriate to carry out the given tasks as per relevant occupational health & safety guidelines
- KU10.** hazards and potential risks associated with the given work and safety control measures used to prevent injury to self and others
- KU11.** knowledge traffic signs/electronic signs
- KU12.** types of road markings and meaning Road markings: Diagonal, lane and chevron
- KU13.** meaning of traffic standard definitions Traffic standard definitions: Advance working zone, transition zone, working zone, carriageway, traffic control, traffic control devices, detour, diversion etc.
- KU14.** lane closure procedure Procedure: Right lane closure procedure, left lane closure procedure
- KU15.** Different class of vehicles as per NHAI guidelines Class of vehicle: Car/jeep/van, LCV, bus/truck, upto 3 axle vehicle, 4 to 6 axle vehicle, HCM/EME, vehicles with 7 or more axles
- KU16.** who should be exempted from paying toll tax as per current NHAI rules Exemption from payment of toll tax: Transporting and accompanying, the President of India, the Vice President of India, the Prime- Minister of India, the Governor of a state, the Speaker of the House of People, the Cabinet Minister of the union, the Chief Minister of a State, the Judge of the Supreme Court, the Minister of State of the Union, the Lieutenant Governor of a Union territory, the Chief of Staff holding the rank of full General or equivalent rank, the Chairman of the Legislative Council of a State, the Speaker of the Legislative Assembly of a State, the Chief Justice of a High Court, the Judge of a High Court, the Member of Parliament, the Army Commander or Vice-Chief of Army Staff and equivalent in other services, the Chief Secretary to a State Government within concerned State, the Secretary to the Government of India, the Secretary, Council of States, the Secretary, House of People, the Foreign dignitary on State visit, fire fighting vehicle, ambulance, funeral van etc.
- KU17.** use of code laws for beacons Beacon: Red beacon (with/without flasher), Blue beacon (with/without flasher)
- KU18.** how to seek help from the plaza controller/shift incharge in case of incidents

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** fill up appropriate forms, incident report in English and/or local language
- GS2.** read and interpret information correctly from the notice board, standard operating procedure etc.
- GS3.** interpret toll business rules
- GS4.** read signages, safety symbols, warnings, etc. displayed in work environment
- GS5.** communicate with road users clearly, effectively and politely
- GS6.** convey information to the shift-incharge/ plaza controllers, toll collector, toll attendant etc.

- GS7.** identify the problems that might arise during the traffic management and take necessary actions quickly
- GS8.** exhibit polite and courteous behavioral skills

Assessment Criteria

| Assessment Criteria for Outcomes | Theory Marks | Practical Marks | Project Marks | Viva Marks |
|--|--------------|-----------------|---------------|------------|
| <i>Work safely</i> | 6 | 11 | - | - |
| PC1. work safely at all times, complying with health and safety legislation, regulations and other relevant guidelines | 2 | 5 | - | - |
| PC2. adhere to procedures or systems in place for health and safety, personal protective equipment (PPE) and other relevant safety regulations Personal Protective Equipment: Safety helmet, safety vests/jackets, hand held flasher/baton | 2 | 3 | - | - |
| PC3. take measures to protect yourself from incoming traffic | 2 | 3 | - | - |
| <i>Assist in lane management</i> | 24 | 59 | - | - |
| PC4. check for the working of communication equipment and flasher | 2 | 6 | - | - |
| PC5. identify the class of the vehicle and allow it to pass through a designated lane | 5 | 15 | - | - |
| PC6. divert the traffic to other lanes incase of any disputes/malfunction at toll booths | 5 | 15 | - | - |
| PC7. follow standard procedure to accord priority to convey vehicles, emergency vehicles and exempt vehicles | 3 | 9 | - | - |
| PC8. ensure that all the vehicles pass through the designated lane and the stipulated toll is paid | 2 | 3 | - | - |
| PC9. stop any vehicle from fleeing without paying the stipulated toll and inform the plaza controller/shift incharge | 1 | 2 | - | - |
| PC10. address road users queries if any promptly and politely | 4 | 6 | - | - |
| PC11. seek help from plaza controller/shift incharge when faced with difficult situations or responsible authority on how to resolve problems immediately | 2 | 3 | - | - |
| NOS Total | 30 | 70 | - | - |

National Occupational Standards (NOS) Parameters

| | |
|----------------------------|---------------------------------------|
| NOS Code | ASC/N9732 |
| NOS Name | Perform lane management at toll plaza |
| Sector | Automotive |
| Sub-Sector | Road Transportation |
| Occupation | Channelizer |
| NSQF Level | 2 |
| Credits | TBD |
| Version | 1.0 |
| Last Reviewed Date | 24/11/2016 |
| Next Review Date | 24/11/2018 |
| NSQC Clearance Date | |

Assessment Guidelines and Assessment Weightage

Assessment Guidelines

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Element/ Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each Element/ PC.
2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
3. Assessment will be conducted for all compulsory NOS, and where applicable, on the selected elective/option NOS/set of NOS.
4. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below).
5. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/ training center based on these criteria.
6. To pass the Qualification Pack assessment, every trainee should score the Recommended Pass % aggregate for the QP.
7. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack.

Recommended Pass % aggregate for QP : 60

Assessment Weightage

Compulsory NOS

| National Occupational Standards | Theory Marks | Practical Marks | Project Marks | Viva Marks | Total Marks | Weightage |
|--|--------------|-----------------|---------------|------------|-------------|------------|
| ASC/N0002.Work effectively in a team | 25 | 75 | - | - | 100 | 20 |
| ASC/N0003.Maintain a healthy,safe and secure working environment | 25 | 75 | - | - | 100 | 20 |
| ASC/N9732.Perform lane management at toll plaza | 30 | 70 | - | - | 100 | 60 |
| Total | 80 | 220 | - | - | 300 | 100 |

Acronyms

| | |
|-------------|---|
| NOS | National Occupational Standard(s) |
| NSQF | National Skills Qualifications Framework |
| QP | Qualifications Pack |
| TVET | Technical and Vocational Education and Training |

Glossary

| | |
|--|--|
| Sector | Sector is a conglomeration of different business operations having similar business and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests. |
| Sub-sector | Sub-sector is derived from a further breakdown based on the characteristics and interests of its components. |
| Occupation | Occupation is a set of job roles, which perform similar/ related set of functions in an industry. |
| Job role | Job role defines a unique set of functions that together form a unique employment opportunity in an organisation. |
| Occupational Standards (OS) | OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the Knowledge and Understanding (KU) they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts. |
| Performance Criteria (PC) | Performance Criteria (PC) are statements that together specify the standard of performance required when carrying out a task. |
| National Occupational Standards (NOS) | NOS are occupational standards which apply uniquely in the Indian context. |
| Qualifications Pack (QP) | QP comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A QP is assigned a unique qualifications pack code. |
| Unit Code | Unit code is a unique identifier for an Occupational Standard, which is denoted by an 'N' |
| Unit Title | Unit title gives a clear overall statement about what the incumbent should be able to do. |
| Description | Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for. |
| Scope | Scope is a set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on quality of performance required. |
| Knowledge and Understanding (KU) | Knowledge and Understanding (KU) are statements which together specify the technical, generic, professional and organisational specific knowledge that an individual needs in order to perform to the required standard. |

| | |
|--|---|
| <p>Organisational Context</p> | <p>Organisational context includes the way the organisation is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.</p> |
| <p>Technical Knowledge</p> | <p>Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.</p> |
| <p>Core Skills/ Generic Skills (GS)</p> | <p>Core skills or Generic Skills (GS) are a group of skills that are the key to learning and working in today’s world. These skills are typically needed in any work environment in today’s world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.</p> |
| <p>Electives</p> | <p>Electives are NOS/set of NOS that are identified by the sector as contributive to specialization in a job role. There may be multiple electives within a QP for each specialized job role. Trainees must select at least one elective for the successful completion of a QP with Electives.</p> |
| <p>Options</p> | <p>Options are NOS/set of NOS that are identified by the sector as additional skills. There may be multiple options within a QP. It is not mandatory to select any of the options to complete a QP with Options.</p> |