

Model Curriculum

Other Equipment Operator

SECTOR: AEROSPACE AND AVIATION
SUB-SECTOR: AIRLINE
OCCUPATION: LOADING & UNLOADING
REF ID: AAS/Q0703
NSQF LEVEL: 4



Certificate

**CURRICULUM COMPLIANCE TO
QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS**

is hereby issued by the

AEROSPACE & AVIATION SECTOR SKILL COUNCIL (AASCC)
for the

MODEL CURRICULUM

Complying to the National Occupational Standards of
Job Role/Qualification Pack : **“Other Equipment Operator”** QP No. AAS/Q0703 NSQF level 4

Date of issuance : 11 July 2017
Valid up to : 10 July 2018
* Valid up to the next review date of the Qualification Pack

(Authorised signatory)
Aerospace & Aviation Sector Skill Council (AASCC)

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Other Equipment Operator

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “Other Equipment Operator”, in the “Aerospace & Aviation” Sector/Industry and aims at building the following key competencies amongst the learner

Program Name	Other Equipment Operator		
Qualification Pack Name & Reference ID.	AAS/Q0703		
Version No.	1.0	Version Update Date	15 – 03 - 2017
Pre-requisites to Training	Class XI		
Training Outcomes	<p>After completing this programme, participants will be able to;</p> <ul style="list-style-type: none"> • Prepare the vehicle for airside use • Manoeuvre the vehicle airside • Maintain procedures and practices which contribute to the safety of airside traffic and apron operations. • Identify and use basic tools, equipment & materials; Understand of tool box, machinery equipment for its operation. • Use basic communication skills and good inter-personal skills. • Stand and walk for long periods of time consistent kneeling, squatting and reaching above the head with caution to avoid accidents. • Work under pressure to meet the deadlines • Work well in a team • Make/take decisions 		

This course encompasses 5 out of 5 National Occupational Standards (NOS) of “Other Equipment Operator” Qualification Pack issued by “Aerospace & Aviation Sector Skill Council (AASCC)”.

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	<p>Follow safety and security procedures Theory Duration (hh:mm) 25:00 Practical Duration (hh:mm) 23:00 Corresponding NOS Code AAS/N0502</p>	<p>Candidates will be able to;</p> <ul style="list-style-type: none"> • comprehend the organisation's safety and security policies and procedures • comprehend the regulatory guidelines on safe conduct of operations and maintenance of conditions to thwart any acts of unlawful interference • report any identified breaches of safety, and security policies and procedures to the designated person • coordinate with other resources at the workplace (within and outside the organisation) to achieve safe and secure environment • identify and mitigate any safety and security hazards like illness, accidents, fires or acts of unlawful interference if it falls within the limits of individual's authority • report any hazards outside the individual's authority to the relevant person in line with organisational procedures and regulatory guidelines • follow organisation's emergency procedures for accidents, fires or acts of unlawful interference • identify and recommend opportunities for improving health, safety, and security to the designated person • complete all health and safety records are updates and procedures well defined 	<p>White/Black board, Markers, computer and projector, trainer's guide, student handbook, Charts regarding health & hygiene, fire-fighting, first aid, chart of prohibited items,</p>
2	<p>Operate a vehicle airside Theory Duration (hh:mm) 19:00 Practical Duration (hh:mm) 29:00 Corresponding NOS Code AAS/N0702</p>	<p>Candidates will be able to;</p> <ul style="list-style-type: none"> • make sure that airside driving authorization/ license is appropriate to the vehicle • confirm that the vehicle is lit and marked according to airside driving requirements • complete documents relating to using the vehicle in line with the organisation procedures • manoeuvre the vehicle in a controlled manner in all conditions • park the vehicle safely in appropriate areas in line with organisation procedures 	<p>White/Black board/ Chart paper, Markers/Computer and projector, trainer's guide, student handbook, Chart of parking layout, traffic markings, signals, cones, barriers, marking tape, signage, jackets, and communication. Chart on traffic signals and symbols,</p>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<ul style="list-style-type: none"> • follow airside signage/ markings • give priority to moving aircraft at all times • maintain a safe distance between the vehicle and aircraft at all time as defined by regulatory guidelines • make sure that all doors and shutters (where relevant) are closed while driving the vehicle • reverse the vehicle according to organisational and regulatory guidelines • be constantly vigilant when driving • wear appropriate Personal Protective Equipment (PPE) while driving • secure vehicle loads in line with the organisation procedures • carry an airside driving pass or license in line with the organisation procedures and regulatory guidelines • take appropriate remedial action when foreign object debris (FOD) or spillage is seen on the airfield • report dangerous or unsafe practices to appropriate authority • get rid of all waste products in line with the organisation procedures and regulatory guidelines • provide unhindered access for emergency services at all times • report all airside accidents and emergencies in line with organisation procedures and regulatory guidelines • respond to airside accidents and emergencies in line with organisation procedures and regulatory guidelines 	
3	<p>Prestart inspection of equipment/ vehicle Theory Duration (hh:mm) 28:00 Practical Duration (hh:mm) 28:00 Corresponding NOS Code AAS/N0701</p>	<p>Candidates will be able to;</p> <ul style="list-style-type: none"> • identify the appropriate prestart inspection checklist for the respective equipment / vehicle • perform the prestart inspection on the respective equipment/ vehicle as per the checklist • identify any defects on the equipment / vehicle and determine if the same can impact the operations of the equipment/vehicle • ensure that all the findings against the prestart inspection checklist are duly filled in the appropriate checklist forms • record any additional defects found beyond the prestart inspection 	<p>White/Black board, Markers, computer and projector, trainer's guide, student handbook,</p>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<p>checklist in the appropriate form in relevant detail</p> <ul style="list-style-type: none"> file the duly filled form in the manner as defined by the organisation or regulatory policies and procedures 	
4	<p>Post operation inspection of equipment/ vehicle Theory Duration (hh:mm) 27:00 Practical Duration (hh:mm) 29:00 Corresponding NOS Code AAS/N0703</p>	<p>Candidates will be able to;</p> <ul style="list-style-type: none"> identify appropriate post operations inspection checklist for the respective equipment / vehicle perform the post operations inspection on the respective equipment / vehicle as per the checklist identify any defects with the equipment / vehicle and determine if the same can impact the operations of the respective equipment / vehicle ensure that all the findings against the post operations inspection checklist are duly filled in the appropriate checklist forms record any additional defects found or caused during operations or in the appropriate form in relevant detail file the duly filled form in the manner as defined by the organisation or regulatory policies and procedures 	<p>White/Black board/ Chart paper, Markers/Computer and projector, trainer's guide, student handbook, video film demonstrating typical questioning techniques</p>
5	<p>Work Effectively in a Team Theory Duration (hh:mm) 13:00 Practical Duration (hh:mm) 19:00 Corresponding NOS Code AAS/N0503</p>	<p>Candidates will be able to;</p> <ul style="list-style-type: none"> display courteous and helpful behaviour at all times. take opportunities to enhance the level of assistance offered to colleagues. meet all reasonable requests for assistance within acceptable workplace timeframes. complete allocated tasks as required. seek assistance when difficulties arise. use questioning techniques to clarify instructions or responsibilities. identify and display a non-discriminatory attitude in all contacts with customers and other staff members. observe appropriate dress code and presentation as required by the workplace, job role and level of customer contact. follow personal hygiene procedures according to organisational policy and relevant legislation. interpret, confirm and act on workplace information, instructions and procedures relevant to the particular task 	<p>White/Black board, Markers, computer and projector, trainer's guide, student handbook,</p>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<ul style="list-style-type: none"> interpret, confirm and act on legal requirements in regard to antidiscrimination, sexual harassment and bullying. ask questions to seek and clarify workplace information. plan and organise daily work routine within the scope of the job role prioritise and complete tasks according to required timeframes identify work and personal priorities and achieve a balance between competing priorities 	
	<p>Total Duration</p> <p>Theory Duration (hh:mm)</p> <p>112:00</p> <p>Practical Duration (hh:mm)</p> <p>128:00</p>	<p>Unique equipment used;</p> <ul style="list-style-type: none"> General purpose 2,3 & 4 four wheeler vehicles Diesel/Petrol generator sets UPS & Power control systems Personal protective equipment (PPE) (consisting of safety jacket & safety shoes) 	

Grand Total Course Duration: 240 Hours, 0 Minutes

(This syllabus/ curriculum has been approved by Aerospace & Aviation Sector Skill Council)

Trainer Prerequisites for Job role: “Other Equipment Operator” mapped to Qualification Pack: “AAS/Q0703”

Sl. No.	Area	Details
1	Description	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack “AAS/Q0703”.
2	Personal Attributes	Aptitude for conducting training, and pre/ post work to ensure competent, employable candidates at the end of the training. Strong communication skills, interpersonal skills, ability to work as part of a team; a passion for quality and for developing others; well- organised and focused, eager to learn and keep oneself updated with the latest in the mentioned field.
3	Minimum Educational Qualifications	Class X
4a	Domain Certification	Statutory Certificate from Aerospace & Aviation Sector Skill Council (AASSC) for Job Role: “Other Equipment Operator” mapped to QP: “AAS/Q0703”. Minimum accepted score for domain certification will be 80%.
4b	Platform Certification	Recommended that the Trainer is certified for the job role “Trainer” mapped to the Qualification Pack : “MEP/Q 0102”. Minimum accepted percentage as per respective SSC guidelines is 80%.
5	Experience	2-3 years of experience.

Annexure: Assessment Criteria

Assessment Criteria	
Job Role	Other Equipment Operator
Qualification Pack	AAS/Q0703
Sector Skill Council	Aerospace & Aviation

Guidelines for Assessment

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each 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 PC
2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC
3. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below)
4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on this criteria
5. To pass the Qualification Pack, every trainee should score a minimum of 50% in aggregate
6. The marks are allocated PC wise, however, every NOS will carry a weightage in the total marks allocated to the specific QP

Assessment outcomes	Assessment Criteria for outcomes	Total Marks	Out of	Marks Allocation	
				Theory	Skills Practical
1. AAS/N0502 Follow safety and security procedures	PC1. comply with the organisation's safety and security policies and procedures	100	10	5	5
	PC2. comply with the regulatory guidelines on safe conduct of operations and maintenance of conditions to thwart any acts of unlawful interference		10	5	5
	PC3. report any identified breaches of safety, and security policies and procedures to the designated person		10	5	5
	PC4. coordinate with other resources at the workplace (within and outside the organisation) to achieve safe and secure environment		20	10	10
	PC5. identify and mitigate any safety and security hazards like illness, accidents, fires or acts of unlawful interference if it falls within the limits of individual's authority		10	5	5
	PC6. report any hazards outside the individual's authority to the relevant person in line with organisational procedures and regulatory guidelines		20	10	10
	PC7. follow organisation's emergency procedures for accidents, fires or acts of unlawful interference		5	2	3
				Marks Allocation	
Assessment outcomes	Assessment Criteria for outcomes	Total Marks	Out of	Theory	Skills Practical
	PC8. identify and recommend opportunities for improving health, safety, and security to the designated person		10	8	2
	PC9. complete all health and safety records are updates and procedures well defined		5	2	3
		Total	100	52	48
	PC1. make sure that personal driving authorization is appropriate to the vehicle		5	2	3
	PC2. confirm that the vehicle is lit and marked according to airside requirements		5	2	3
	PC3. complete documents relating to using the vehicle in line with to organisation procedures		5	2	3
	PC4. maneuvers the vehicle in a controlled manner in all conditions		5	2	3
	PC5. park the vehicle safely in appropriate areas in line with organisation procedures		5	2	3

2. AAS/N0702 (Operate a vehicle airside)	PC6. follow airside signage / markings	100	5	2	3
	PC7. give priority to moving aircraft at all times		5	2	3
	PC8. maintain a safe distance between the vehicle and aircraft at all time		5	2	3
	PC9. make sure that all doors and shutters (where relevant) are closed when you are driving the vehicle		5	2	3
	PC10. reverse the vehicle according to aviation and organisational procedures		5	2	3
	PC11. be constantly vigilant when driving		5	2	3
	PC12. wear appropriate personal protective equipment when driving		5	2	3
	PC13. secure vehicle loads in line with your organisation procedures		5	2	3
	PC14. carry an airside driving pass or license in line with your organisation procedures		5	2	3
	PC15. take appropriate remedial action when foreign objects (FOD) or spillages are seen on the airfield		5	2	3
	PC16. report dangerous or unsafe practices to an appropriate authority		5	2	3
	PC17. get rid of all waste products in line with your organisation procedures		5	2	3
	PC18. provide unhindered access for emergency services at all times		5	2	3
			Marks Allocation		
Assessment outcomes	Assessment Criteria for outcomes	Total Marks	Out of	Theory	Skills Practical
	PC19. report all airside accidents and emergencies in line with organisation procedures		5	2	3
	PC20. respond to airside accidents and emergencies in line with organisation procedures		5	2	3
		Total	100	40	60
3. AAS/N0701 (prestart inspection of equipment/ vehicle)	PC1. identify the appropriate prestart inspection checklist for the respective equipment / vehicle	100	10	5	5
	PC2. perform the prestart inspection on the respective equipment / vehicle as per the checklist		20	10	10
	PC3. identify any defects on the equipment /vehicle and determine if the same can impact the operations of the equipment /vehicle		20	10	10
	PC4. ensure that all the findings against the prestart inspection checklist are duly filled in the appropriate checklist forms		10	5	5

	PC5. record any additional defects found beyond the prestart inspection checklist in the appropriate form in relevant detail		20	10	10
	PC6. file the duly filled form in the manner as defined by the organisation or regulatory policies and procedures		20	10	10
		Total	100	50	50
4. AAS/N0703 (Post operation inspection of equipment/ vehicle)	PC1. identify the appropriate post operations inspection checklist for the respective equipment / vehicle	100	17	8	9
	PC2. perform the post operations inspection on the respective equipment / vehicle as per the checklist		17	8	9
	PC3. identify any defects on the equipment / vehicle and determine if the same can impact the operations of the equipment / vehicle		17	8	9
	PC4. ensure that all the findings against the post operations inspection checklist are duly filled in the appropriate checklist forms		17	8	9
	PC5. record any additional defects found or caused during operations or		16	8	8

Assessment outcomes	Assessment Criteria for outcomes	Total Marks	Out of	Marks Allocation	
				Theory	Skills Practical
	in the appropriate form in relevant detail				
	PC6. file the duly filled form in the manner as defined by the organisation or regulatory policies and procedures		16	8	8
		Total	100	48	52

Assessment outcomes	Assessment Criteria for outcomes	Total Marks	Out of	Marks Allocation	
				Theory	Skills Practical
5. AAS / N0503 Work Effectively as a Team	PC1. display courteous and helpful behaviour at all times.	100	8	3	5
	PC2. take opportunities to enhance the level of assistance offered to colleagues.		7	3	4
	PC3. meet all reasonable requests for assistance within acceptable workplace timeframes.		8	3	5
	PC4. complete allocated tasks as required.		7	3	4
	PC5. seek assistance when difficulties arise.				

	PC6. use questioning techniques to clarify instructions or responsibilities.		7	3	4
	PC7. identify and display a non discriminatory attitude in all contacts with customers and other staff members.		7	3	4
	PC8. observe appropriate dress code and presentation as required by the workplace, job role and level of customer contact.		7	3	4
	PC9. follow personal hygiene procedures according to organisational policy and relevant legislation.		7	3	4
	PC10. interpret, confirm and act on workplace information, instructions and procedures relevant to the particular task.		7	3	4
	PC11. interpret, confirm and act on legal requirements in regard to anti-discrimination, sexual harassment and bullying.		7	3	4
	PC12. ask questions to seek and clarify workplace information.		7	3	4
	PC13. plan and organise daily work routine within the scope of the job role.		7	3	4
	PC14. prioritise and complete tasks according to required timeframes.		7	3	4
	PC15. identify work and personal priorities and achieve a balance between competing priorities.		7	3	4
	Total		100	42	58