

Model Curriculum

Camera Operator

SECTOR: MEDIA AND ENTERTAINMENT
**SUB-SECTOR: Television, Print, Radio, Digital,
Out-of-home**
OCCUPATION: Camera Operator
REF ID: MES/ Q 0902
NSQF LEVEL: 4



Certificate

CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

Media and Entertainment Skill Council

for

MODEL CURRICULUM

Complying to National Occupational Standards of
Job Role/ Qualification Pack: **'Camera Operator'** QP Ref. No. **'MES/Q0902, NSQF Level 4'**

Date of Issuance: 27th January 2022

Valid up to: 25th January 2027

* Valid up to the next review date of the Qualification Pack

Authorized Signatory
Media and Entertainment Skill Council

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Camera Operator

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “Camera Operator”, in the “Media and Entertainment” Sector/Industry and aims at building the following key competencies amongst the learner

Program Name	Camera Operator		
Qualification Pack Name & Reference ID. ID	MES/ Q 0902		
Version No.	2.0	Version Update Date	27-Jan-22
Pre-requisites to Training	XII with two year of relevant experience OR Assistant Cameraman NSQF Level-3 with two year of relevant experience Min Age: 17 Year		
Training Outcomes	After completing this programme, participants will be able to: <ul style="list-style-type: none"> • Prepare and arrange all the camera equipment for use during shoots • Monitor use of equipment during shoots • Understanding the focus requirements for different types of shots • Lay out marks on the set/props/floor to define artist paths and refine camera positions/focus lengths during rehearsals • Marking out the focus lengths for each position • Pull focus and operate cameras during shoots • Understanding the health, safety and security risks prevalent in the workplace • Knowing the people responsible for health and safety and the resources available • Identifying and reporting risks • Complying with procedures in the event of an emergency 		

This course encompasses 4 out of 4 National Occupational Standards (NOS) of “Camera Operator” Qualification Pack issued by “Media & Entertainment Skill Council”.

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	<p>Set up Camera Equipment prior to Shoot</p> <p>Theory Duration (hh:mm) 40:00</p> <p>Practical Duration (hh:mm) 80:00</p> <p>Corresponding NOS Code MES /N 0905</p>	<ul style="list-style-type: none"> Coordinate with logistics players, where required in the context of the role, to have the equipment delivered to the vendor/own facilities (equipment can include cameras, batteries, lenses, filters, grips, track, special effects equipment, magazines, clapper boards, film stock/beta tapes/memory cards) Prepare equipment for shoot including unpacking, cleaning and assembling cameras and lenses, loading the film stock into magazines, charging batteries etc. Arrange for security and protection of the equipment during storage and logistics Report any damages to the camera and production teams Ensure cameras are mounted on grips and the locks are fastened securely 	Laptop, white board, marker, projector,
2	<p>Prepare for Shoots</p> <p>Theory Duration (hh:mm) 40:00</p> <p>Practical Duration (hh:mm) 50:00</p> <p>Corresponding NOS Code MES /N 0906</p>	<ul style="list-style-type: none"> Establish the focus requirements for each shot, based on the creative and technical requirements of production (DOP) Mark the focus lengths/angle based on the required composition i.e. positioning of elements within a frame, perspective i.e. point of view and aspect ratio i.e. relationship between width and height (Camera assistant) Prepare a focus path for a sequence depending on the movement, timing, start and finish points during shoots (Camera operator and assistant) Report potential issues to the producer and Director and relevant teams for rectification (DOP and Camera operator) 	Laptop, white board, marker, projector,
3	<p>Operate Camera during Shoot</p>	<ul style="list-style-type: none"> Focus and refocus the camera lenses for each shot (Camera Assistant) 	Laptop, white board, marker, projector,

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	<p>Theory Duration (hh:mm) 75:00</p> <p>Practical Duration (hh:mm) 115:00</p> <p>Corresponding NOS Code MES /N 0907</p>	<ul style="list-style-type: none"> Advise actors and performers regarding movement and positions Make modifications to the focus path, if required, based on any changes in the artists movements (Camera Assistant) Execute camera movements established during rehearsals according to the instructions received by the DOP while maintaining the focus length for each shot (Camera Operator) Ensure that the creative and technical quality of the shoot meets the desired production and post production standards (DOP) 	
4	<p>Maintain Workplace, Health & Safety</p> <p>Theory Duration (hh:mm) 20:00</p> <p>Practical Duration (hh:mm) 30:00</p> <p>Corresponding NOS Code MES/N 0104</p>	<ul style="list-style-type: none"> Understand and comply with the organisation's current health, safety and security policies and procedures. Understand the safe working practices pertaining to own occupation. Understand the government norms and policies relating to health and safety including emergency procedures for illness, accidents, fires or others which may involve evacuation of the premises Participate in organization health and safety knowledge sessions and drills Identify the people responsible for health and safety in the workplace, including those to contact in case of an emergency Identify security signals e.g. fire alarms and places such as staircases, fire warden stations, first aid and medical rooms Identify aspects of your workplace that could cause potential risk to own and others health and safety Identify and recommend opportunities for improving health, safety, and security to the designated person Report any hazards outside the individual's authority to the relevant person in line with organizational procedures and warn other people who may be affected 	<p>Handbook, White board, marker, computer system, projector, PPTs</p>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<ul style="list-style-type: none"> Identify and correct risks like illness, accidents, fires or any other natural calamity safely and within the limits of individual's authority. 	
	Total Duration 450:00 Theory Duration 175:00 Practical Duration 275:00	Unique Equipment Required: Laptop, PowerPoint & white board, marker, projector, Laptop, Sample pictures and videos, Cleaning tools, electricity tester, safety and ergonomics chart, Fire Extinguisher, First-Aid Kit	

Grand Total Course Duration: 450 Hours, 0 Minutes

(This syllabus/ curriculum has been approved by Media and Entertainment Skill Council)

Trainer Prerequisites for Job role: “Camera Operator” mapped to Qualification Pack: “MES/ Q 0902, v2.0”

Sr. No.	Area	Details
1	Description	Camera Operator in the Media & Entertainment Industry supports the head of the camera department. This job need to operate the camera during shoots in accordance to instructions provided by the Director of Photography (DoP). They also need to coordinate efforts of the camera crew during shoots.
2	Personal Attributes	The individual must be creative and have a good understanding of composition, perspective and movement. The individual must know and keep updated on the various camera equipment, shooting techniques and mediums. The individual must have excellent communication skills and must possess the ability to guide efforts and work collaboratively.
3	Minimum Educational Qualifications	Class XII
4a	Domain Certification	Certified for Job Role: “ <u>Camera Operator</u> ” mapped to QP: “ <u>MES/ Q 0902, v1.0</u> ”. Minimum accepted score is 70%
4b	Platform Certification	Recommended that the Trainer is certified for the Job Role: “Trainer”, mapped to the Qualification Pack: “ <u>MES/Q 0902</u> ”. Minimum accepted % as per respective SSC guidelines is 60%.
5	Experience	Minimum 3 -5 years of experience as <u>Camera Operator</u> .

Annexure: Assessment Criteria

Assessment Criteria	
Job Role	Camera Operator
Qualification Pack	MES/ Q 0902, v1.0
Sector Skill Council	Media & Entertainment

Sr. No.	Guidelines for Assessment
1	Criteria for assessment for each Qualification Pack will be created by the Media and Entertainment 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 each PC.
2	Each NOS will be assessed both for theoretical knowledge and practical
3	The assessment will be based on knowledge bank of questions created by the SSC.
4	Individual assessment agencies will create unique question papers for theory and skill practical part for each candidate at each examination/training centre
5	To pass the Qualification Pack, every trainee should score a minimum of 60% in every NOS
6	In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack

	NOS	NOS NAME	Weightage
1	MES / N 0905	Set up Camera Equipment prior to Shoot	25%
5	MES/ N 0906	Prepare for Shoots	20%
6	MES/ N 0907	Operate Camera during Shoot	45%
7	MES / N 0104	Maintain workplace health and safety	10%
			100%

Job Role	Camera Operator					
NOS CODE	NOS NAME	Performance Criteria			Marks Allocation	
			Total Mark	Out Of	Theory	Skills Practical
MES/ N 0905	Determine the Visual Style and Prepare Shoot Plan	PC1.Coordinate with logistics players, where required in the context of the role, to have the equipment delivered to the vendor/own facilities (equipment can include cameras, batteries, lenses, filters, grips, track, special effects equipment, magazines, clapper boards, film stock /beta tapes/memory cards)	100	20	10	50
		PC2. Prepare equipment for shoot including unpacking, cleaning and assembling cameras and lenses, loading the film stock into magazines, charging batteries etc.		20	10	
		PC3. Arrange for security and protection of the equipment during storage and logistics		20	10	
		PC4. Report any damages to the camera and production teams		20	10	
		PC5. Ensure cameras are mounted on grips and the locks are fastened securely		20	10	

			Total	100	50	50		
MES/ N 0906	Prepare for Shoots	PC1.Establish the focus requirements for each shot, based on the creative and technical requirements of production (DOP)						
		PC2. Mark the focus lengths/angle based on the required composition i.e. positioning of elements within a frame, perspective i.e. point of view and aspect ratio i.e. relationship between width and height (Camera assistant)					30	15
		PC3.Prepare a focus path for a sequence depending on the movement, timing, start and finish points during shoots (Camera operator and assistant)					20	10
		PC4.Report potential issues to the Producer and Director and relevant teams for rectification (DOP and Camera operator)					20	10
			Total	100	50	50		
MES/ N 0907	Operate Camera during Shoot	PC1.Focus and refocus the camera lenses for each shot (Camera Assistant)	100	20	10	50		
		PC2. Advise actors and performers regarding movement and positions		10	5			

		PC3.Make modifications to the focus path, if required, based on any changes in the artists movements (Camera Assistant)		30	15	
		PC4.Execute camera movements established during rehearsals according to the instructions received by the DOP while maintaining the focus length for each shot (Camera Operator)		20	10	
		PC5.Ensure that the creative and technical quality of the shoot meets the desired production and post production standards (DOP)		20	10	
			Total	100	50	50
MES N 0104	Maintain workplace health and safety	PC1. Understand and comply with the organization's current health, safety and security policies and procedures	100	10	5	50
		PC2. Understand the safe working practices pertaining to own occupation		10	5	
		PC3. Understand the government norms and policies relating to health and safety including emergency procedures for illness, accidents, fires or others which may involve evacuation of the premises		5	3	

		PC4. Participate in organization health and safety knowledge sessions and drills	5	2
		PC5. Identify the people responsible for health and safety in the workplace, including those to contact in case of an emergency	10	5
		PC6. Identify security signals e.g. fire alarms and places such as staircases, fire warden stations, first aid and medical rooms	10	5
		PC7. Identify aspects of your workplace that could cause potential risk to own and others health and safety	10	5
		PC8. Ensure own personal health and safety, and that of others in the workplace through precautionary measures	10	5
		PC9. Identify and recommend opportunities for improving health, safety, and security to the designated person	5	3
		PC10. Report any hazards outside the individual's authority to the relevant person in line with organizational procedures and warn other people who may be affected	10	5
		PC11. Follow organization's emergency procedures for accidents, fires or any other natural calamity in case of a hazard	10	5

		PC12. Identify and correct risks like illness, accidents, fires or any other natural calamity safely and within the limits of individual's authority		5	2	
			Total	100	50	50