

## QUALIFICATIONS PACK - OCCUPATIONAL STANDARDS FOR MEDIA AND ENTERTAINMENT INDUSTRY

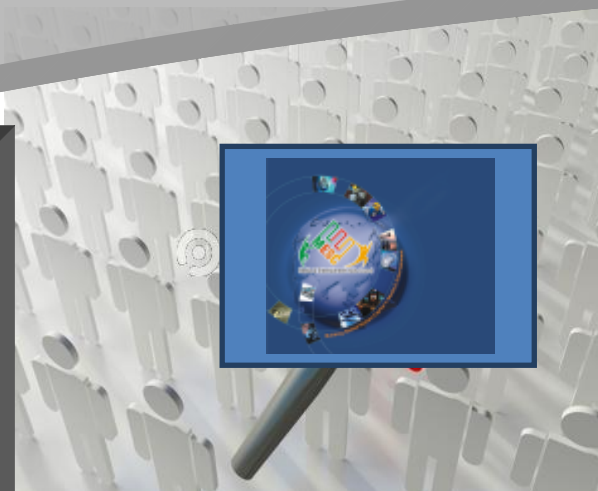
### What are Occupational Standards(OS)?

- OS describe what individuals need to do, know and understand in order to carry out a particular job role or function
- OS are performance standards that individuals must achieve when carrying out functions in the workplace, together with specifications of the underpinning knowledge and understanding

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### Introduction

#### Qualifications Pack-Texturing artist

**SECTOR:** MEDIA AND ENTERTAINMENT

**SUB-SECTOR:** Animation, Gaming

**OCCUPATION:** Asset Creation

**REFERENCE ID:** MES/ Q 2503

**ALIGNED TO:** NCO-2004/NIL

**Texturing artist in the Media & Entertainment Industry is also known as a Shading artist**

**Brief Job Description:** Individuals at this job are responsible to add textures to models to create photo-realistic models that can be used for animation under close supervision

**Personal Attributes:** This job requires the individual to create textures using software such as Autodesk Maya, 3D Studio Max, Mud Box, Zbrush, etc. The individual must be well-versed with the techniques of texture mapping and projection. The individual must also have a good understanding of the principles of colour theory, photography multi-pass rendering and lighting etc.

|             |                          |  |                  |          |
|-------------|--------------------------|--|------------------|----------|
| Job Details | Qualifications Pack Code | MES/ Q 2503  |                  |          |
|             | Job Role                 | Texturing artist<br>This job role is applicable in both national and international scenarios |                  |          |
|             | Credits(NSQF)            | TBD  | Version number   | 1.0      |
|             | Sector                   | Media and Entertainment  | Drafted on       | 16/07/13 |
|             | Sub-sector               | Animation, Gaming  | Last reviewed on | 30/07/13 |
|             | Occupation               | Asset Creation   | Next review date | 29/07/15 |

|  |   |
|--|---|
| Job Role   | Texturing artist  |
| Role Description                                 | Add textures to create photo-realistic models   |
| NSQF level                                       | 3   |
| Minimum Educational Qualifications               | Class X   |
| Maximum Educational Qualifications               | -   |
| Training<br>(Suggested but not mandatory)        | 3D software such as Maya, 3D Studio Max etc.  |
| Experience                                       | 0-1 years Trainee / Junior Texturing Artist<br>1+ years Texturing Artist  |
| Applicable National Occupational Standards (NOS) | <b>Compulsory:</b> <ol style="list-style-type: none"> <li><a href="#">MES / N 2501 (Interpret the script/ brief/ storyboard)</a></li> <li><a href="#">MES / N 2506 (Add textures to models)</a></li> <li><a href="#">MES / N 2507 (Test textures applied to models)</a></li> <li><a href="#">MES / N 2508 (Maintain workplace health and safety)</a></li> </ol> <b>Optional:</b> N.A. |
| Performance Criteria                             | As described in the relevant OS units   |

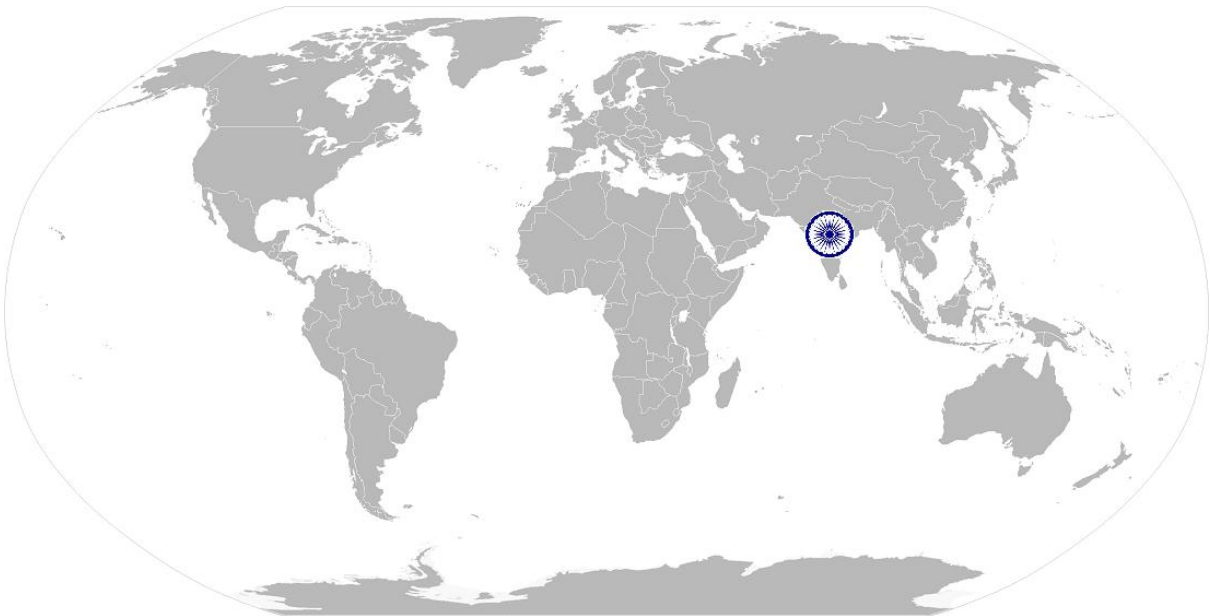
Definitions

| Keywords /Terms                       | Description   |
|---------------------------------------|---|
| Budget                                | Budget is an estimate of the total cost of production that may include a break-up of cost components  |
| Compositing                           | Compositing is the process of combining layers of images/elements into a single frame   |
| Clean-up                              | Refining the interim/rough animation  |
| Creative Brief                        | Creative brief is a document that captures the key questions that serve as a guide for the production including the vision, objective of the project, target audience, timelines, budgets, milestones, stakeholders etc.  |
| Key Frame                             | Key Frames are the key poses, usually the start and end poses for a particular animation sequence   |
| Modelling                             | Modelling is the process of creating three-dimensional models for animation using a specialised software application.   |
| Rendering                             | Rendering is the process of converting three-dimensional models into two-dimensional images with 3D effects   |
| Rigging                               | Rigging is the process of adding joints to a static three-dimensional model to aid movement during posing   |
| Texturing                             | Texturing is the process of adding colour and texture to plain models to give them a photo-real appearance  |
| Timelines                             | Timelines is a listing of dates by which the production milestones/stages need to be completed  |
| Sector                                | Sector is a conglomeration of different business operations having similar businesses 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.  |
| Vertical                              | Vertical may exist within a sub-sector representing different domain areas or the client industries served by the industry.   |
| Occupation                            | Occupation is a set of job roles, which perform similar/related set of functions in an industry   |
| Function                              | Function is an activity necessary for achieving the key purpose of the sector, occupation, or area of work, which can be carried out by a person or a group of persons. Functions are identified through functional analysis and form the basis of OS.                                      |
| Sub-functions                         | Sub-functions are sub-activities essential to fulfill the achieving the objectives of the function.   |
| Job role                              | Job role defines a unique set of functions that together form a unique employment opportunity in an organization.   |
| 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 they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts. |
| Performance Criteria                  | Performance Criteria 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 Code              | Qualifications Pack Code is a unique reference code that identifies a qualifications pack.  |
| Qualifications Pack(QP)               | Qualifications Pack comprises the set of OS, together with the  |

|                             | educational, training and other criteria required to perform a job role. A Qualifications Pack is assigned a unique qualification 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 the 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 the quality of performance required.   |
| Knowledge and Understanding | Knowledge and Understanding are statements which together specify the technical, generic, professional and organizational specific knowledge that an individual needs in order to perform to the required standard.   |
| Organizational Context      | Organizational Context includes the way the organization is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.  |
| Technical Knowledge         | Technical Knowledge is the specific knowledge needed to accomplish specific designated responsibilities.  |
| Core Skills/Generic Skills  | Core Skills or Generic Skills are a group of skills that are key to learning and working 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. |
| Keywords /Terms             | Description   |
| NOS                         | National Occupational Standard(s)   |
| NSQF                        | National Skill Qualifications Framework   |
| QP                          | Qualifications Pack   |
| NVEQF                       | National Vocational Education Qualifications Framework  |
| NVQF                        | National Vocational Qualifications Framework  |
| CG                          | Computer Generated  |

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# National Occupational Standard



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## Overview

This OS unit is about interpreting the script/ brief/ storyboard for the animation process

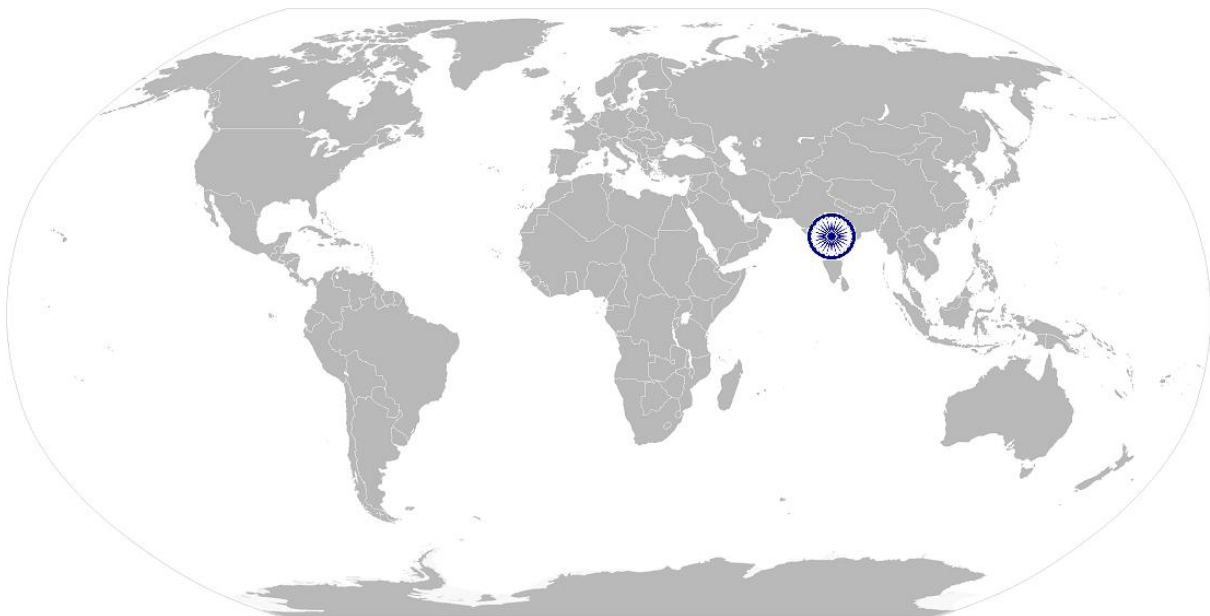
|   |   |
|---|---|
| <b>Unit Code</b>  | <b>MES/ N 2501</b>  |
| <b>Unit Title (Task)</b>  | <b>Interpret the script/ brief/ storyboard</b>  |
| <b>Description</b>  | This OS unit is about interpreting the script/ brief/ storyboard for the animation process  |
| <b>Scope</b>  | This unit/task covers the following: <ul style="list-style-type: none"> <li>Interpret the script/ brief/ storyboard correctly</li> </ul>  |
| <b>Performance Criteria (PC) w.r.t. the Scope</b>   |   |
| <b>Element</b>  | <b>Performance Criteria</b>   |
| Interpretation of script/ brief/ storyboard   | To be competent, the user/individual on the job must be able to: <ul style="list-style-type: none"> <li>PC1. Understand the script, brief and storyboard from the Art Director and character designers</li> <li>PC2. Understand the design brief in context of his/her job (appearance, complexion, dressing, moods, personalities, expressions etc.)</li> <li>PC3. Understand the requirements (number, types, duplicates etc.)</li> <li>PC4. Understand the specifications (dimensions, operating parameters etc.)</li> <li>PC5. Understand the technical needs of the project relevant to his/ her job role (Television, Film, Gaming, Internet, DVD etc.)</li> <li>PC6. Be aware and responsible of his/her role in the pre-production, production and post-production process</li> </ul> |
| <b>Knowledge and Understanding (K)</b>  |   |
| <b>A. Organizational Context</b><br>(Knowledge of the company / organization and its processes) | The user/individual on the job needs to know and understand: <ul style="list-style-type: none"> <li>KA1. The creative vision and elements of production relevant to his/her job role</li> <li>KA2. The project pipeline/schedule and timelines relevant to their work</li> <li>KA3. The intended purpose/ end-use of the models that need to be created</li> </ul>  |
| <b>B. Technical Knowledge</b>   | The user/individual on the job needs to know and understand: <ul style="list-style-type: none"> <li>KB1. Principles of animation</li> <li>KB2. Human anatomy, skeleton structure, joints, facial muscles etc.</li> <li>KB3. Human mannerisms, emotions, behavior, facial expressions etc.</li> <li>KB4. Techniques and workflow</li> <li>KB5. Drawing and illustration techniques</li> <li>KB6. How to prepare an output that is consistent with the creative look of the production and in accordance to the script and design brief</li> <li>KB7. The sources for research and reference material</li> <li>KB8. Applicable copyright norms and intellectual property rights</li> <li>KB9. Applicable health and safety guidelines</li> </ul>  |

| Skills (S) (Optional)                     |   |
|---|---|
| <b>A. Core Skills/<br/>Generic Skills</b> | <b>Writing Skills</b>   |
|   | The user/individual on the job needs to know and understand how to:<br>SA1. Document notes while understanding the brief, requirements and specifications from the art director and character designers to refer to during the production process   |
|   | <b>Reading Skills</b>   |
|   | The user/individual on the job needs to know and understand how to:<br>SA2. Read and understand the design brief and character pack<br>SA3. Research links, videos, artwork etc. that can be used as references   |
|   | <b>Oral Communication (Listening and Speaking skills)</b>   |
|   | The user/individual on the job needs to know and understand how to:<br>SA4. Understand the design brief and requirements from the Art Director and character designers  |
| <b>B. Professional Skills</b>             | <b>Plan and Organize</b>  |
|   | The user/individual on the job needs to know and understand how to:<br>SB1. Breakup the tasks required and estimate the time required for each task, so as to manage own work in assigned time schedule   |
|   | <b>Problem Solving</b>  |
|   | The user/individual on the job needs to know and understand how to:<br>SB2. Identify any creative problems that may arise during the production and work back with the art director and character designers to find suitable solutions to address them<br>SB3. Handle technical issues such as pipeline concerns, optimizing efficiency of assets and asset integration in collaboration with peers and under supervision of the art director |



## NOS Version Control

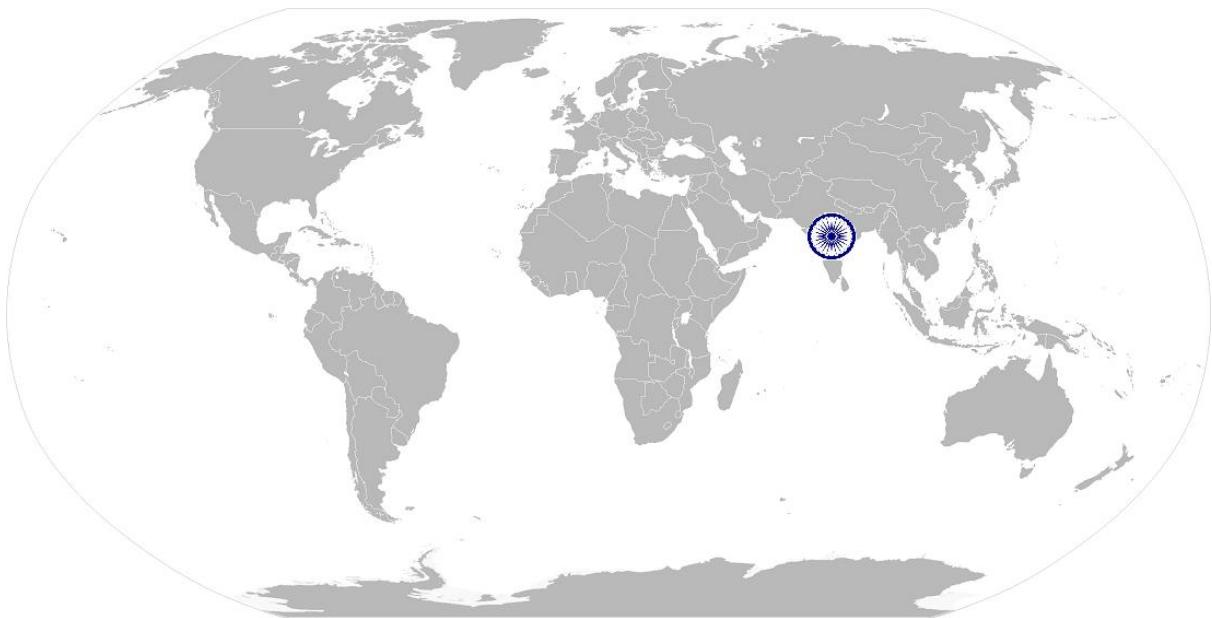
|               |                         |                  |          |
|---------------|-------------------------|------------------|----------|
| NOS Code      | MES / N 2501            |                  |          |
| Credits(NSQF) | TBD                     | Version number   | 1.0      |
| Sector        | Media and Entertainment | Drafted on       | 16/07/13 |
| Sub-sector    | Animation, Gaming       | Last reviewed on | 30/07/13 |
| Occupation    | Asset Creation          | Next review date | 29/07/15 |





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# National Occupational Standard



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## Overview

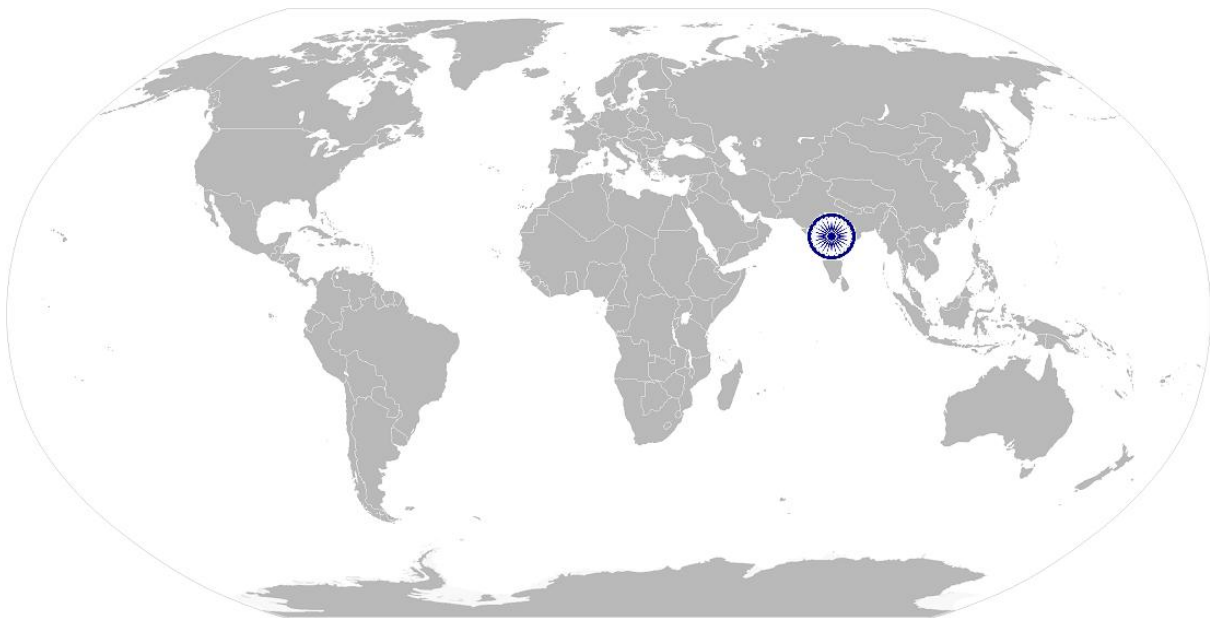
This unit is about creating and adding textures to models to create precise photo-realistic models that can be used for animation

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| <b>Unit Code</b>  | <b>MES/ N 2506</b>   |
| <b>Unit Title (Task)</b>  | <b>Add textures to models</b>  |
| <b>Description</b>  | This OS unit is about creating and adding textures to models to create precise photo-realistic models that can be used for animation under close supervision of a senior   |
| <b>Scope</b>  | <p>This unit/task covers the following:</p> <ul style="list-style-type: none"> <li>Creation of textures for human, animal, character, location, set and props which may include organic and inorganic surfaces such as: <ul style="list-style-type: none"> <li>Bones, wrinkles, bricks, ground, rust, wood, tiles, plastic, paper, metal, food, water, fire, skin, hair and eyes, cloth, walls and ceiling, imaginary</li> </ul> </li> </ul>   |
| <b>Performance Criteria (PC) w.r.t. the Scope</b>   |  |
| <b>Element</b>  | <b>Performance Criteria</b>  |
| Creation of textures  | <p>To be competent, the user/individual on the job must be able to:</p> <p>PC1. Understand possibilities for adding textures to models to create photo-realistic models/images</p> <p>PC2. Develop and add textures to models in accordance to the design brief and concept art for different types of models under the supervision of the art director and character artist</p> <p>PC3. Understand the final exhibition medium and adapt the textures accordingly</p> <p>PC4. Manage quality of textures during the animation process and ensure uniformity and consistency in the final output</p> <p>PC5. Supply work in appropriate formats that can be used by others in the pipeline</p>   |
| <b>Knowledge and Understanding (K)</b>  |  |
| <b>B. Organizational Context</b><br>(Knowledge of the company / organization and its processes) | <p>The user/individual on the job needs to know and understand:</p> <p>KA1. The creative vision and elements of production relevant to his/her job role</p> <p>KA2. The production pipeline/schedule and timelines relevant to their work</p> <p>KA3. The medium on which the product will be exhibited</p>  |
| <b>B. Technical Knowledge</b>   | <p>The user/individual on the job needs to know and understand:</p> <p>KB1. The principles of Colour theory and ways in which it can be explored to meet the needs of the production</p> <p>KB2. Lighting properties and concepts like three point lighting, Blinn, Lambert, transparency, self-illumination, glow, bump, displacement, reflection, refraction etc.</p> <p>KB3. Techniques and workflow of UV mapping</p> <p>KB4. Techniques of texture mapping, projection and managing texture seams</p> <p>KB5. Techniques of drawing, painting and sculpting</p> <p>KB6. Fundamentals of photography/lighting (would be an added advantage)</p> <p>KB7. Fundamentals of modeling, multi-pass rendering and lighting</p> <p>KB8. How to apply colour effects such as colour tones, textures, matte etc.</p> |

|   |   |
|---|---|
|   | <p>KB9. Properties of different types of surfaces such as wood, glass, plastic, leather, metal etc. and native materials for rendering (for Vray, MentalRay etc.)</p> <p>KB10. How different types of surfaces react to varying lighting conditions</p> <p>KB11. How to work on software such as Autodesk Maya, Photoshop, 3D Studio Max, Blender, Mud Box, Zbrush, Mari, Renderman Shader scripting etc. and render plug-ins like renderman, air, vray etc.</p> <p>KB12. How to create photo-realistic textures consistent with the creative look of the production and in accordance to the design brief</p> <p>KB13. How to test the textures using light reaction turnarounds tests, location study of the environment etc.</p> <p>KB14. How to optimise or enhance textures as per the needs of production</p> <p>KB15. The basics of modeling to understand the surface flow and create textures without stretching</p> <p>KB16. Fundamentals of scripting (added advantage)</p> <p>KB17. The sources for research and reference material</p> <p>KB18. Applicable copyright norms and intellectual property rights</p> <p>KB19. Applicable health and safety guidelines</p> |
| <b>Skills (S) (Optional)</b>              |   |
| <b>C. Core Skills/<br/>Generic Skills</b> | <b>Writing Skills</b>   |
|   | The user/individual on the job needs to know and understand how to:   |
|   | SA1. Document notes on the texture specifications to be complied with during the texturing process  |
|   | <b>Reading Skills</b>   |
|   | The user/individual on the job needs to know and understand how to:   |
|   | SA2. Keep apprised of the techniques applied by other artists to create photo-realistic textures<br>SA3. Gather references and drawings to compare with real-life textures  |
| <b>D. Professional Skills</b>             | <b>Oral Communication (Listening and Speaking skills)</b>   |
|   | The user/individual on the job needs to know and understand how to:   |
|   | SA4. Understand the design brief and textures that need to be created from the Art Director   |
|   | SA5. Collaborate with lighting artists and composers to ensure that the final product matches quality standards   |
|   | SA6. Present the textured models to the Art Director and solicit feedback   |
|   | <b>Plan and Organize</b>  |
|   | The user/individual on the job needs to know and understand how to:   |
|   | SB1. Plan and prioritise own work according to the requirements and agreed timelines  |
|   | <b>Problem Solving</b>  |
|   | The user/individual on the job needs to know and understand how to:   |
|   | SB2. Identify any creative problems that may arise during the production and work back with the art director and character designers to find suitable solutions to address them   |

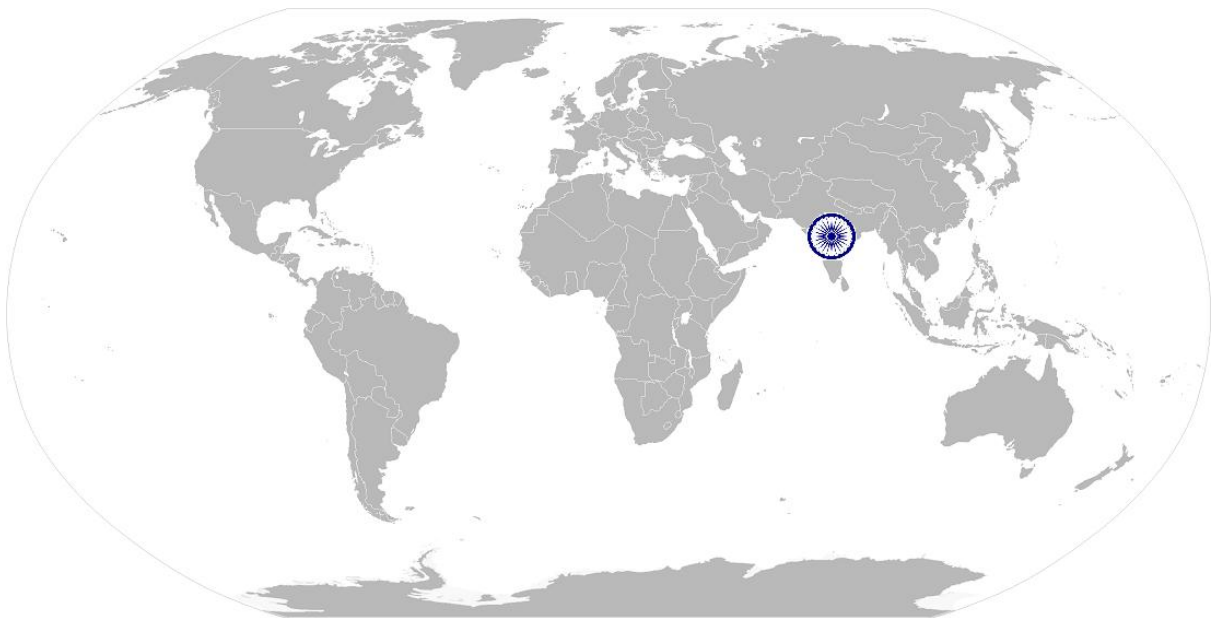
## NOS Version Control

|                      |                                |                         |                 |
|----------------------|--------------------------------|-------------------------|-----------------|
| <b>NOS Code</b>      | <b>MES / N 2506</b>            |                         |                 |
| <b>Credits(NSQF)</b> | <b>TBD</b>                     | <b>Version number</b>   | <b>1.0</b>      |
| <b>Sector</b>        | <b>Media and Entertainment</b> | <b>Drafted on</b>       | <b>16/07/13</b> |
| <b>Sub-sector</b>    | <b>Animation, Gaming</b>       | <b>Last reviewed on</b> | <b>30/07/13</b> |
| <b>Occupation</b>    | <b>Asset Creation</b>          | <b>Next review date</b> | <b>29/07/15</b> |



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# National Occupational Standard



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## Overview

This unit is about testing the textures applied to models

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|---|---|
| <b>Unit Code</b>  | <b>MES/ N 2507</b>  |
| <b>Unit Title (Task)</b>  | <b>Test textures applied to models</b>  |
| <b>Description</b>  | This OS unit is about testing the textures applied to models  |
| <b>Scope</b>  | <p>This unit/task covers the following:</p> <ul style="list-style-type: none"> <li>Testing the models to ensure that they function correctly and are designed as per requirements and get them approved by the senior</li> </ul>  |
| <b>Performance Criteria (PC) w.r.t. the Scope</b>   |   |
| <b>Element</b>  | <b>Performance Criteria</b>   |
| Testing the models to ensure that they function correctly and are designed as per requirements  | <p>To be competent, the user/individual on the job must be able to:</p> <p>PC1. Check the continuity of models, textures or paintings and make sure they are fit for purpose of for all required camera positions and angles</p> <p>PC2. Evaluate the quality of the assets in relation to others within the same context in which they will be used</p> <p>PC3. Correct any problems or issues that may arise</p> <p>PC4. Respond positively to feedback about work and changing textures/ other requirements and make refinements as needed</p>   |
| <b>Knowledge and Understanding (K)</b>  |   |
| <b>C. Organizational Context</b><br>(Knowledge of the company / organization and its processes) | <p>The user/individual on the job needs to know and understand:</p> <p>KA1. The creative vision and elements of production relevant to his/her job role</p> <p>KA2. The pipeline/schedule and timelines relevant to their work</p> <p>KA3. The medium on which the product will be exhibited</p>  |
| <b>B. Technical Knowledge</b>   | <p>The user/individual on the job needs to know and understand:</p> <p>KB1. The principles of colour theory and ways in which it can be explored to meet the needs of the production</p> <p>KB2. Lighting properties and concepts like three point lighting, Blinn, Lambert, transparency, self-illumination, glow, bump, displacement, reflection, refraction etc.</p> <p>KB3. Techniques and workflow of UV mapping</p> <p>KB4. Techniques of texture mapping, projection and managing texture seams</p> <p>KB5. Techniques of drawing, painting and sculpting</p> <p>KB6. Fundamentals of photography/lighting (would be an added advantage)</p> <p>KB7. Fundamentals of modeling, multi-pass rendering and lighting</p> <p>KB8. How to apply colour effects such as colour tones, textures, matte etc.</p> <p>KB9. Properties of different types of surfaces such as wood, glass, plastic, leather, metal etc. and native materials for rendering (for Vray, MentalRay etc.)</p> <p>KB10. How different types of surfaces react to varying lighting conditions</p> <p>KB11. How to work on software such as Autodesk Maya, Photoshop, 3D Studio Max, Blender, Mud Box, Zbrush, Mari, Renderman Shader scripting etc. and render plug-ins like renderman, air, vray etc.</p> |



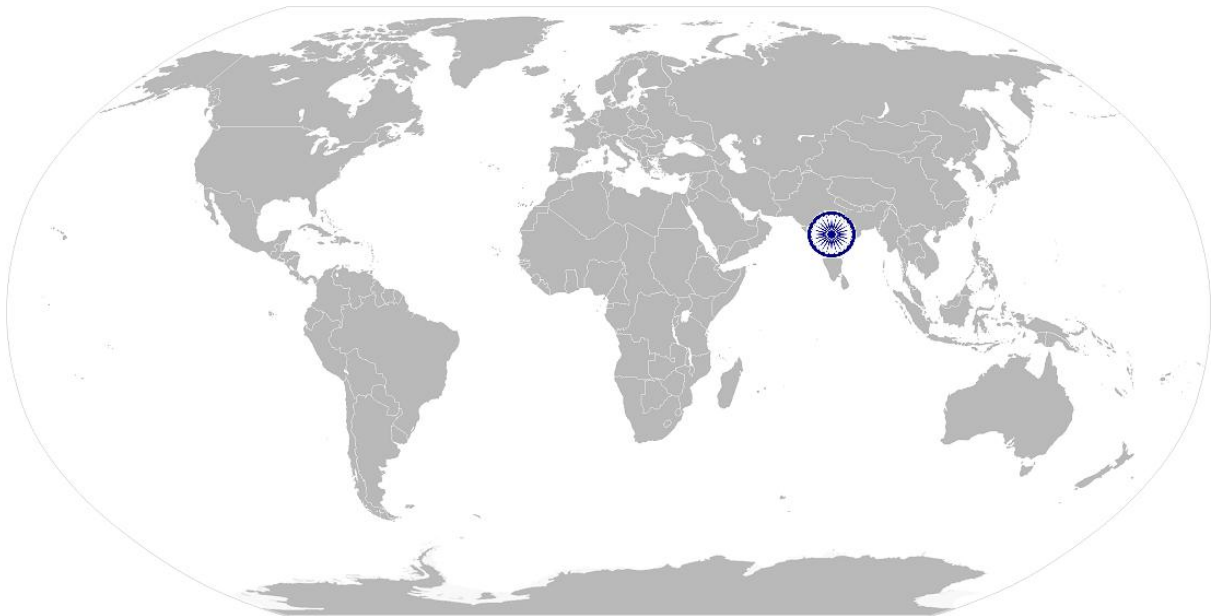
**Test textures applied to models**

|   |  |
|---|--|
|   | <p>KB12. How to create photo-realistic textures consistent with the creative look of the production and in accordance to the design brief</p> <p>KB13. How to test the textures using light reaction turnarounds tests, location study of the environment etc.</p> <p>KB14. How to optimise or enhance textures as per the needs of production</p> <p>KB15. The basics of modeling to understand the surface flow and create textures without stretching</p> <p>KB16. Fundamentals of scripting (added advantage)</p> <p>KB17. The sources for research and reference material</p> <p>KB18. Applicable copyright norms and intellectual property rights</p> <p>KB19. Applicable health and safety guidelines</p> |
| <b>Skills (S) (Optional)</b>              |  |
| <b>E. Core Skills/<br/>Generic Skills</b> | <b>Writing Skills</b>  |
|   | <p>The user/individual on the job needs to know and understand how to:</p> <p>SA1. Document notes on the texture specifications to be complied with during the texturing process</p>   |
|   | <b>Reading Skills</b>  |
|   | <p>The user/individual on the job needs to know and understand how to:</p> <p>SA2. Keep apprised of the techniques applied by other artists to create photo-realistic textures</p> <p>SA3. Gather references and drawings to compare with real-life textures</p>   |
|   | <b>Oral Communication (Listening and Speaking skills)</b>  |
|   | <p>The user/individual on the job needs to know and understand how to:</p> <p>SA4. Understand the design brief and textures that need to be created from the Art Director</p> <p>SA5. Collaborate with lighting artists and composers to ensure that the final product matches quality standards</p> <p>SA6. Present the textured models to the Art Director and solicit feedback</p>  |
| <b>F. Professional Skills</b>             | <b>Plan and Organize</b>   |
|   | <p>The user/individual on the job needs to know and understand how to:</p> <p>SB1. Plan and prioritise own work according to the requirements and agreed timelines</p>   |
|   | <b>Problem Solving</b>   |
|   | <p>The user/individual on the job needs to know and understand how to:</p> <p>SB2. Identify any creative problems that may arise during the production and work back with the art director and character designers to find suitable solutions to address them</p>  |



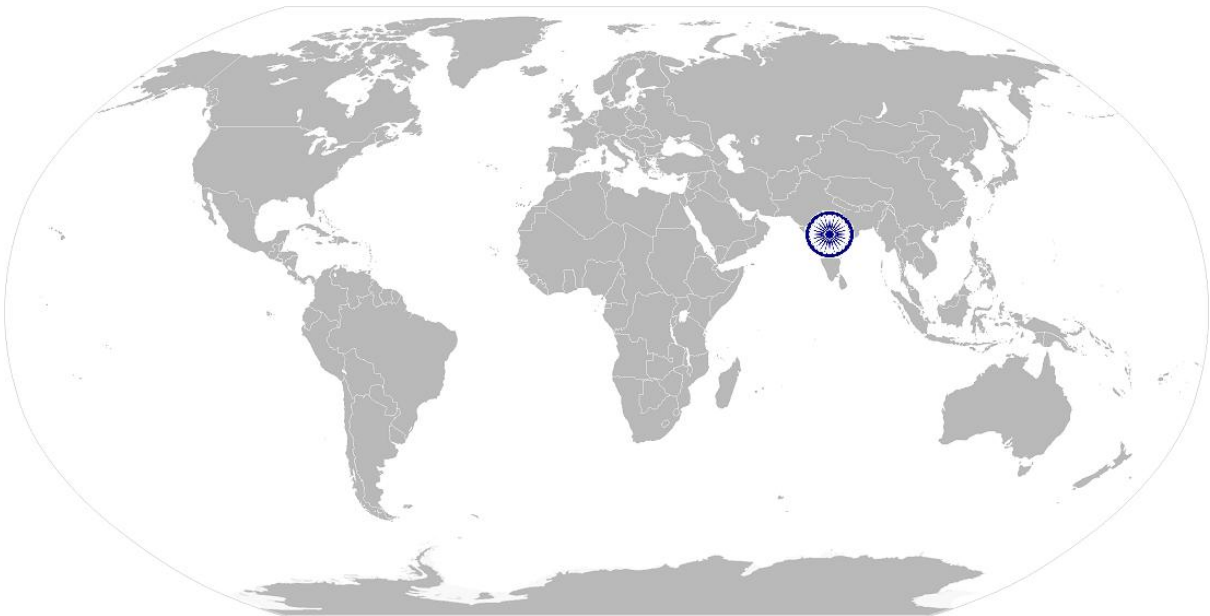
## NOS Version Control

|               |                         |                  |          |
|---------------|-------------------------|------------------|----------|
| NOS Code      | MES / N 2507            |                  |          |
| Credits(NSQF) | TBD                     | Version number   | 1.0      |
| Sector        | Media and Entertainment | Drafted on       | 16/07/13 |
| Sub-sector    | Animation, Gaming       | Last reviewed on | 30/07/13 |
| Occupation    | Asset Creation          | Next review date | 29/07/15 |



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# National Occupational Standard



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## Overview

This unit is about contributing towards maintaining a healthy, safe and secure working environment

## Maintain workplace health and safety

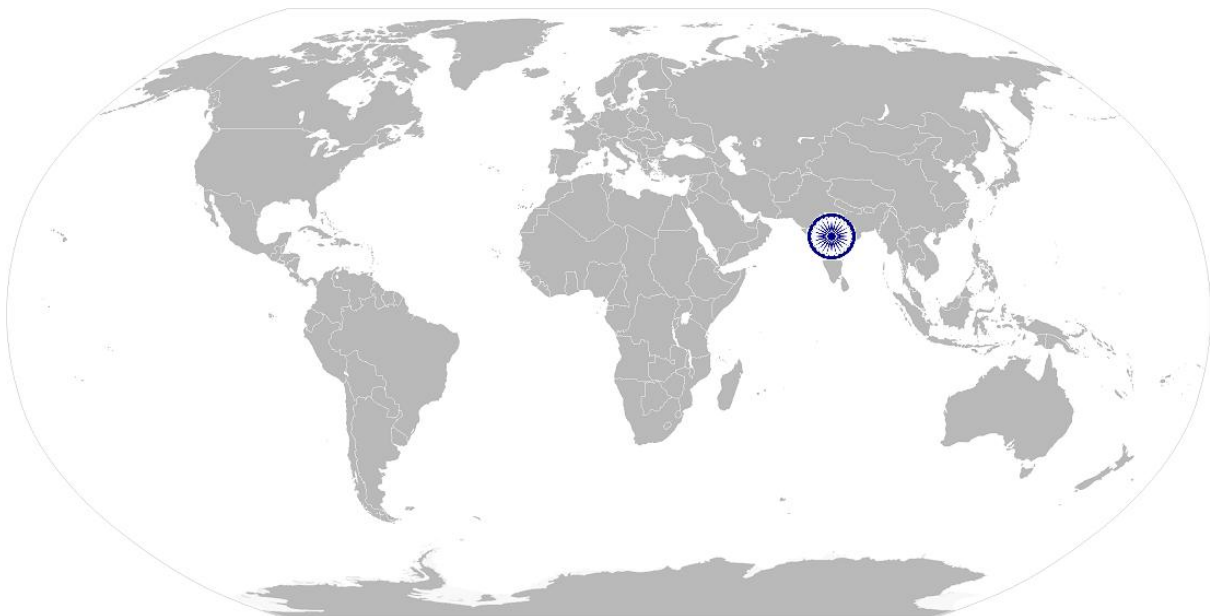
| Unit Code  | MES/ N 2508   |
|--|---|
| Unit Title (Task)  | Maintain workplace health and safety  |
| Description  | This OS unit is about contributing towards maintaining a healthy, safe and secure working environment   |
| Scope  | <p>This unit/task covers the following:</p> <ul style="list-style-type: none"> <li>Understanding the health, safety and security risks prevalent in the workplace</li> <li>Knowing the people responsible for health and safety and the resources available</li> <li>Identifying and reporting risks</li> <li>Complying with procedures in the event of an emergency</li> </ul>   |
| Performance Criteria (PC) w.r.t. the Scope                                       |   |
| Element  | Performance Criteria  |
| Understanding the risks prevalent in the workplace                               | <p>To be competent, the user/individual on the job must be able to:</p> <p>PC1. Understand and comply with the organisation's current health, safety and security policies and procedures</p> <p>PC2. Understand the safe working practices pertaining to own occupation</p> <p>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</p> <p>PC4. Participate in organization health and safety knowledge sessions and drills</p> |
| Knowing the people responsible for health and safety and the resources available | <p>PC5. Identify the people responsible for health and safety in the workplace, including those to contact in case of an emergency</p> <p>PC6. Identify security signals e.g. fire alarms and places such as staircases, fire warden stations, first aid and medical rooms</p>  |
| Identifying and reporting risks  | <p>PC7. Identify aspects of your workplace that could cause potential risk to own and others health and safety</p> <p>PC8. Ensure own personal health and safety, and that of others in the workplace through precautionary measures</p> <p>PC9. Identify and recommend opportunities for improving health, safety, and security to the designated person</p> <p>PC10. Report any hazards outside the individual's authority to the relevant person in line with organisational procedures and warn other people who may be affected</p>  |
| Complying with procedures in the event of an emergency                           | <p>PC11. Follow organisation's emergency procedures for accidents, fires or any other natural calamity in case of a hazard</p> <p>PC12. Identify and correct risks like illness, accidents, fires or any other natural calamity safely and within the limits of individual's authority</p>  |
| Knowledge and Understanding (K)  |   |
| <b>A. Organizational Context</b><br>(Knowledge of the company / organization and | <p>The user/individual on the job needs to know and understand:</p> <p>KA1. Organisation's norms and policies relating to health and safety</p> <p>KA2. Government norms and policies regarding health and safety and related emergency procedures</p> <p>KA3. Limits of authority while dealing with risks/ hazards</p>  |

**Maintain workplace health and safety**

|                                       |   |
|---------------------------------------|---|
| its processes)                        | KA4. The importance of maintaining high standards of health and safety at a workplace   |
| <b>B. Technical Knowledge</b>         | <p>The user/individual on the job needs to know and understand:</p> <p>KB1. The different types of health and safety hazards in a workplace</p> <p>KB2. Safe working practices for own job role</p> <p>KB3. Evacuation procedures and other arrangements for handling risks</p> <p>KB4. Names and contact numbers of people responsible for health and safety in a workplace</p> <p>KB5. How to summon medical assistance and the emergency services, where necessary</p> <p>KB6. Vendors' or manufacturers' instructions for maintaining health and safety while using equipments, systems and/or machines</p> |
| <b>Skills (S) (Optional)</b>          |   |
| <b>A. Core Skills/ Generic Skills</b> | <b>Writing Skills</b>   |
|                                       | <p>The user/individual on the job needs to know and understand how to:</p> <p>SA1. How to write and provide feedback regarding health and safety to the concerned people</p> <p>SA2. How to write and highlight potential risks or report a hazard to the concerned people</p>  |
|                                       | <b>Reading Skills</b>   |
|                                       | <p>The user/individual on the job needs to know and understand how to:</p> <p>SA3. Read instructions, policies, procedures and norms relating to health and safety</p>  |
|                                       | <b>Oral Communication (Listening and Speaking skills)</b>   |
|                                       | <p>The user/individual on the job needs to know and understand how to:</p> <p>SA4. Highlight potential risks and report hazards to the designated people</p> <p>SA5. Listen and communicate information with all anyone concerned or affected</p>   |
| <b>B. Professional Skills</b>         | <b>Decision making</b>  |
|                                       | <p>The user/individual on the job needs to know and understand how to:</p> <p>SB1. Make decisions on a suitable course of action or plan</p>  |
|                                       | <b>Plan and Organize</b>  |
|                                       | <p>The user/individual on the job needs to know and understand how to:</p> <p>SB2. Plan and organize people and resources to deal with risks/ hazards that lie within the scope of one's individual authority</p>   |
|                                       | <b>Problem Solving</b>  |
|                                       | <p>The user/individual on the job needs to know and understand how to:</p> <p>SB3. Apply problem solving approaches in different situations</p>   |
|                                       | <b>Critical Thinking</b>  |
|                                       | <p>The user/individual on the job needs to know and understand how to:</p> <p>SB4. Understand hazards that fall within the scope of individual authority and report all hazards that may supersede one's authority</p> <p>SB5. Apply balanced judgements in different situations</p>  |

## NOS Version Control

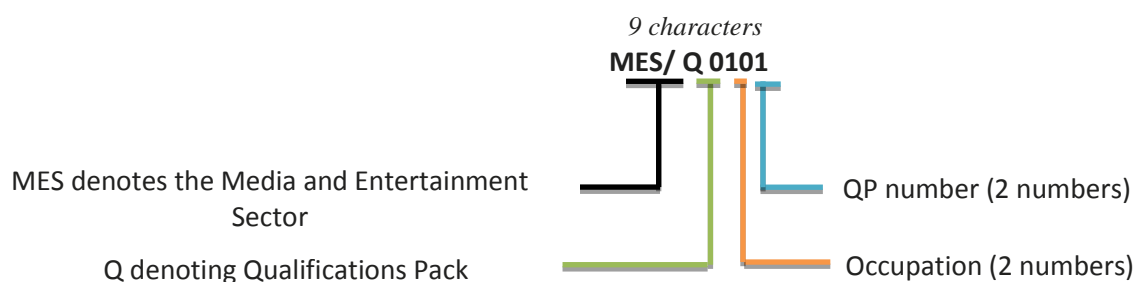
|               |                         |                  |          |
|---------------|-------------------------|------------------|----------|
| NOS Code      | MES / N 2508            |                  |          |
| Credits(NSQF) | TBD                     | Version number   | 02       |
| Sector        | Media and Entertainment | Drafted on       | 16/07/13 |
| Sub-sector    | Animation, Gaming       | Last reviewed on | 30/07/13 |
| Occupation    | Asset Creation          | Next review date | 29/07/15 |



## Annexure

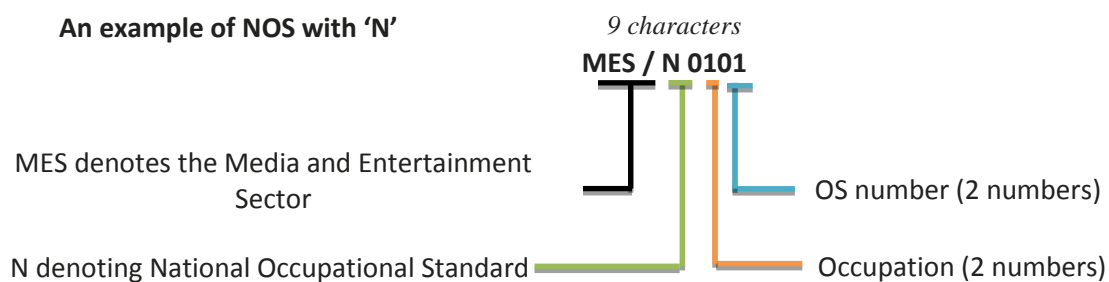
### Nomenclature for QP and NOS

#### Qualifications Pack



#### Occupational Standard

##### An example of NOS with 'N'



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The following acronyms/codes have been used in the nomenclature above:

| Sub-sector | Range of Occupation numbers |
|------------|-----------------------------|
| ...        | ...                         |

| Sequence         | Description             | Example |
|------------------|-------------------------|---------|
| Three letters    | Media and Entertainment | MES     |
| Slash            | /                       | /       |
| Next letter      | Whether QP or NOS       | Q       |
| Next two numbers | Asset Creation          | 25      |
| Next two numbers | QP number               | 03      |



|                                    |                         |
|------------------------------------|-------------------------|
| <b>Job Role/Qualification Pack</b> | <b>Texturing artist</b> |
| <b>QP- ID</b>                      | <b>MES Q 2503</b>       |

|   | NOS          | NOS NAME                                | Weightag    |
|---|--------------|---|-------------|
| 1 | MES / N 2501 | Interpret the script/ brief/ storyboard | 25%         |
| 2 | MES / N 2506 | Add textures to models                  | 30%         |
| 3 | MES / N 2507 | Test textures applied to models         | 35%         |
| 4 | MES / N 2508 | Maintain workplace health and safety    | 10%         |
|   |              |   | <b>100%</b> |

|   |
|---|
| <b>Guidelines for Assessment:</b>   |
| 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 |
| 2. The assessment for the theory & Practical part will be based on knowledge bank of questions created by the AA and approved by 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 70% cumulatively (Theory and Practical)   |

**Job Role**      Texturing

| NOS CODE    | NOS NAME                                   | Performance Criteria  |            | Marks Allocation |                  |
|-------------|--|---|------------|------------------|------------------|
|             |  |   | Total Mark | Theory           | Skills Practical |
| MES/ N 2501 | Interpret the script/<br>brief/ storyboard | PC1. Understand the script, brief and storyboard from the Art Director and character designers                          | 100        | 10               | 60               |
|             |  | PC2. Understand the design brief (appearance, complexion, dressing, moods, personalities, expressions etc.)             |            | 10               |                  |
|             |  | PC3. Understand the requirements (number, types, duplicates etc.)   |            | 5                |                  |
|             |  | PC4. Understand the specifications (dimensions, operating parameters etc.   |            | 5                |                  |
|             |  | PC5. Understand the technical needs of the project (Television, Film, Gaming, Internet, DVD etc.)                       |            | 5                |                  |
|             |  | PC6. Be aware and responsible of his/her role in the pre-production, production and post-production process             |            | 5                |                  |
|             |  |   | Total      | 40               | 60               |
| MES/ N 2506 | Add textures to models                     | PC1. Visualise possibilities for adding textures to models to create photo-realistic models/images                      | 100        | 10               | 20               |
|             |  | PC2. Develop and add textures to models in accordance to the design brief and concept art for different types of models |            | 10               | 10               |
|             |  | PC3. Understand the final exhibition medium and adapt the textures accordingly  |            | 10               | 10               |
|             |  | PC4. Manage quality of textures during the animation process and ensure uniformity and consistency in the final output  |            | 5                | 10               |

|                    |   |   |              |    |    |
|--------------------|---|---|--------------|----|----|
|                    |   | PC5. supply work in appropriate formats that can be used by others in the pipeline  |              | 5  | 10 |
|                    |   |   | <b>Total</b> | 40 | 50 |
| <b>MES/ N 2507</b> | <b>Test textures applied to models</b>      | PC1. Check the continuity of models, textures or paintings and make sure they are fit for purpose of for all required camera positions and angles   | 100          | 10 | 15 |
|                    |   | PC2. Evaluate the quality of the assets in relation to others within the same context in which they will be used  |              | 10 | 15 |
|                    |   | PC3. Correct any problems or issues that may arise  |              | 10 | 15 |
|                    |   | PC4. Respond positively to feedback about work and changing textures/ other requirements and make refinements as needed   |              | 10 | 15 |
|                    |   |   | <b>Total</b> | 40 | 60 |
| <b>MES/ N 2508</b> | <b>Maintain workplace health and safety</b> | PC1. Understand and comply with the organisation's current health, safety and security policies and procedures  |              | 5  |    |
|                    |   | PC2. Understand the safe working practices pertaining to own occupation   |              | 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 |              | 3  |    |
|                    |   | PC4. Participate in organization health and safety knowledge sessions and drills  |              | 2  |    |
|                    |   | PC5. Identify the people responsible for health and safety in the workplace, including those to contact in case of an emergency   |              | 5  |    |

|  |  |   |              |    |    |
|--|--|---|--------------|----|----|
|  |  | PC6. Identify security signals e.g. fire alarms and places such as staircases, fire warden stations, first aid and medical rooms                                    | 100          | 5  | 50 |
|  |  | PC7. Identify aspects of your workplace that could cause potential risk to own and others health and safety   |              | 5  |    |
|  |  | PC8. Ensure own personal health and safety, and that of others in the workplace though precautionary measures   |              | 5  |    |
|  |  | PC9. Identify and recommend opportunities for improving health, safety, and security to the designated person   |              | 3  |    |
|  |  | PC10. Report any hazards outside the individual's authority to the relevant person in line with organisational procedures and warn other people who may be affected |              | 5  |    |
|  |  | PC11. Follow organisation's emergency procedures for accidents, fires or any other natural calamity in case of a hazard   |              | 5  |    |
|  |  | PC12. Identify and correct risks like illness, accidents, fires or any other natural calamity safely and within the limits of individual's authority                |              | 2  |    |
|  |  |   | <b>Total</b> | 50 | 50 |