



GOVERNMENT OF PAKISTAN

NATIONAL OCCUPATION SKILL STANDARD

FOR

Automotive Spray painter



NATIONAL TRAINING BOARD

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1. General

1.1 The Occupational Skill Standards referred to relate specifically to workers at craft level and is directly related to the skills, equipment, tools, and materials commonly used in Pakistan.

1.2 This Occupational Skill Standard is a "mono-grade" standard prepared to cover the total stock of knowledge and skills expected from craftsmen who have undergone training for Automotive Spray Painter conducted by a training institution of equivalent standard or from those who already have acquired a considerable length of "on-the-job" experience in Automotive spray painting.

1.3 These Occupational Skill Standards will be subject to periodic review and modification to be responsive to the changing technology and to the requirements of the industry.

1.4 Those who have gone under training course to be certified as Automotive Spray Painter should undertake a trade test to be designed to show by oral and/or written examination and by practical demonstration that they are in possession of the knowledge and skill set out in the standard. Those who pass shall be issued a certificate.

1.5 The emphasis of training and certification tests will be made on the requirements of the industry.

2. (Mono-grade Standard) Automotive Spray painter

S. No.	Knowledge Requirements
2.1	Arithmetic equivalent to that acquired from Middle standard level of education and Urdu or English comprehension and writing.
2.2	The particular importance of correct working habits, cleanliness in the trade Automotive spray painting.
2.3	Personal health and the importance of protective devices used in spray painting.
2.4	General safety precautions in an automotive painting shop including safety in the use of flammables, tools and equipment.

S. No.	Knowledge Requirements
2.5	The principles of operation of various types of spray painting equipment.
2.6	The component/parts and the sequence of operations to dis-assemble and assemble spray painting equipment.
2.7	Various painting defects and their remedies.
2.8	The procedures for preparation of metal surface prior to painting, including pre-treatment operations.
2.9	The purpose and principle of operation of pressure tank.
2.10	The methods and procedures for retouching and repainting.
2.11	The procedures for the preparation of surface prior to top-coating or premiering.
2.12	The correct application of sealers and underbody protective materials.
2.13	Basic comprehension of the types of paints and materials used for automotive spray painting.
2.14	Comprehension of the various paint colours and colour combination.
2.15	The general conditions to be observed when spray painting.
2.16	Safety in the operation of air compressor.

S. No.	Skill Requirements
2.17	The use, care and maintenance of equipment in an automotive spray painting system.
2.18	The cleaning and lubrications of spray guns and equipment.
2.19	The replacement of defective component/parts of a spray painting equipment.
2.20	The recognition of metal defects and immediate steps in repair of same.
2.21	Recognition of paint and surface defects.
2.22	Stripping of painted body surfaces for repainting.
2.23	Preparation of base metal prior to painting.
2.24	The application of putty and surface polishing.
2.25	Sealing of seams and metal plate overlap.
2.26	Identification and selection of various materials used in automotive spray painting work.
2.27	Recognition of various types of colour of paints and selection of each type for specific purpose.
2.28	The preparations and mixing of paints for the spray painting process.
2.29	Primer and top-coat application.
2.30	Application of protective coating.