



Australian Government

MSFPT3001 Apply piano industry knowledge and work techniques

Release: 1

MSFPT3001 Apply piano industry knowledge and work techniques

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers researching the origins of the piano industry and how the different innovations in piano building have impacted on the piano technology sector of the furnishing industry and applying them to the workplace. It includes changes in design, construction and materials that have led to the evolution of the modern piano in order to correctly interpret work functions.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Competency Field

Unit Sector

Piano Technology

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1	Research historical development of keyboards to modern pianos	1.1	Original keyboard instruments are researched and identified
		1.2	Evolutionary development of upright pianos is investigated
		1.3	Materials selected for use in pianos are investigated, with reasons for changes occurring examined
2	Identify changes in design of pianos	2.1	Changes to design of pianos are investigated and applied to work
		2.1	Difference in playing mechanisms is known and applied to work
3	Identify types of	3.1	Modern piano types are identified

pianos

		3.2	Differences between pianos are identified and appropriate work practices used
4	Identify basic piano components	4.1	Construction of piano infrastructure is identified to determine work required
		4.2	Major systems are identified, with all parts and functions listed before commencing work
5	Research the role of a piano technician	5.1	Role of technician is researched and identified and applied to own work
		5.2	Changes to role are identified as required and adapted to
		5.3	

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency. Detail on appropriate performance levels for each furnishing unit of competency in reading, writing, oral communication and numeracy utilising the Australian Core Skills Framework (ACSF) are provided in the Furnishing Training Package Implementation Guide.

Range of Conditions

Specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included. Range is restricted to essential operating conditions and any other variables essential to the work environment.

Unit context includes:

- work health and safety (WHS) requirements, including legislation, building codes, material safety management systems, hazardous and dangerous goods, codes and local safe operating procedures or equivalent
- work is carried out in accordance with legislative obligations, environmental legislation, relevant health regulations, manual handling procedures and organisation insurance requirements
- work requires individuals to demonstrate some discretion, judgement and problem solving

Original keyboard

- zither
- clavichord

instruments include:	• harpsichord • forte piano • piano
Periods include:	• antique (1700-1850) • Victorian (1850-1900) • modern (1900-2000) • current (2000 onwards)
Types of pianos include:	• vertical: • upright • spinet • console • player • grand: • baby (4'6"-6') • professional (6'-7'6") • concert (7'6"-9'+) • square
Piano infrastructure includes:	• the case • timing pins • soundboard and bridges • strings • pinblock and tuning pins • keys and actions
Systems include:	• actions • soundboard/bridges • strings • structural
Role of technicians include:	• quotations • tuning • repairs • rebuilding • restoration • polishing • piano moving • selling • advice on purchases
Changes to technician's role include:	• restriction to tuning or repairs only • less or more restoration • less or more major repairs • increased use of technology in tuning process

Information and procedures include:

- workplace procedures relating to reporting and communication
- manufacturer specifications and operational procedures

Unit Mapping Information

Supersedes and is equivalent to LMFPT3001A Develop knowledge of piano industry.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>

Assessment Requirements for MSFPT3001 Apply piano industry knowledge and work techniques

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Performance Evidence

- Interpret work order and locate and apply relevant information
- Identify materials used in the work process
- Follow work instructions, operating procedures and inspection processes to:
 - minimise the risk of injury to self or others
 - prevent damage to goods, equipment and products
 - maintain required production output and product quality
- Locate, interpret and apply information relevant to piano tuning and repair industry by identifying different pianos and their construction
- Identify and observe the role of a piano technician
- Communicate ideas and information to enable confirmation of work requirements and specifications and the reporting of work outcomes and problems, interpret basic plans and follow safety procedures
- Avoid backtracking, work flow interruptions or wastage

Knowledge Evidence

- Types, characteristics, uses, limitations and preparation of materials and equipment used in piano tuning and repair
- Origin and types of pianos
- Piano infrastructure, including systems
- Terms used to describe piano components and systems
- Role of piano technicians
- Established lines of communication and protocols

Assessment Conditions

- Assessors must:
 - hold training and assessment competencies as determined by the National Skills Standards Council (NSSC) or its successors
 - have vocational competency in the furnishing industry at least to the level being assessed with broad industry knowledge and experience, usually combined with a relevant industry qualification
 - be familiar with the current skills and knowledge used and have relevant, current experience in the furnishing industry.

- Assessment methods must confirm consistency of performance over time rather than a single assessment event and in a range of workplace relevant contexts.
- Assessment must be by observation of relevant tasks with questioning on underpinning knowledge and, where applicable, multimedia evidence, supervisor's reports, projects and work samples.
- Assessment is to be conducted on single units of competency or in conjunction with other related units of competency. Foundation skills are integral to competent performance in the unit and should not be assessed separately.
- Assessment must occur on the job or in a workplace simulated facility with relevant process, equipment, materials, work instructions and deadlines.
- Access is required to upright and grand pianos.

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