



**Australian Government**

# **MSFPT4012 Tune a piano aurally and electronically**

**Release: 1**

# MSFPT4012 Tune a piano aurally and electronically

## Modification History

Release 1. Changes to code, application, elements, performance criteria, assessment requirements. Foundation skills added. Range of conditions removed. Assessment requirements changed.

## Application

This unit describes the skills and knowledge required to tune an upright and grand piano to a set level of accuracy within a specified timeframe and to an appropriate level of accuracy using aural or electronic tuning devices (ETD) that may include computer software or a hardware device. It applies in workplace and on-site environments for small- to large-scale enterprises.

This unit applies to piano technologists who work in accordance with established procedures, using discretion, judgement and problem-solving to apply and communicate technical solutions to resolve predictable and unpredictable issues. They use factual, technical and theoretical knowledge to identify, analyse, compare and act on information from a range of sources.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

## Competency Field

Piano technology

## Elements and Performance Criteria

| Elements                                  | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 1. Plan and prepare for tuning            | <p>1.1 Analyse and confirm job requirements with personnel, customer or from workplace documentation</p> <p>1.2 Identify and follow work health and safety requirements including physical and ergonomic needs</p> <p>1.3 Establish and maintain communication with others involved with work to ensure efficient workflow, coordination, personnel cooperation and safety</p> <p>1.4 Analyse written instructions and apply to job requirements</p> <p>1.5 Select tools and equipment consistent with needs of job, inspect for serviceability and safety, and repair any faults or report in accordance</p> |

| Elements                                  | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element.                                                                                                                                                                                                                                                                                                        |
|                                           | with workplace procedures                                                                                                                                                                                                                                                                                                                                                                              |
| 2. Dismantle piano                        | 2.1 Determine required procedure for dismantling piano to meet job requirements<br>2.2 Dismantle piano to allow access to internal components during tuning process<br>2.3 Safely store all piano parts while performing tuning tasks in accordance with procedures                                                                                                                                    |
| 3. Tune piano                             | 3.1 Accurately tune start note to a pitch standard<br>3.2 Assess and tune temperament octave F33-F45 to desired standard<br>3.3 Assess and tune octaves and unisons to desired standard in accordance with requirements<br>3.4 Use interval checks to assess accuracy throughout tuning process<br>3.5 Achieve stable tuning within industry-established timeframes without damage to piano components |
| 4. Re-assemble piano                      | 4.1 Assess and identify case parts and place for re-assembly<br>4.2 Reassemble case parts in accordance with workplace practices                                                                                                                                                                                                                                                                       |
| 5. Clean up work area                     | 5.1 Check, clean and store equipment and any unused materials in accordance with workplace procedures<br>5.2 Clean work area, safely dispose of waste and identify items for recycling in accordance with workplace procedures and environmental standards<br>5.3 Complete required workplace records                                                                                                  |

## Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Reading skills to interpret familiar workplace procedures and work documentation
- Writing skills to communicate information in familiar workplace documents
- Numeracy skills to work with numerical concepts involved in piano tuning.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

## Unit Mapping Information

Release 1. Supersedes and is not equivalent to MSFPT3014 Tune a piano aurally and electronically within time and accuracy constraints.

## Links

Companion Volume implementation guides are found in VETNet -

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