Australian Government

MSFPT4010 Tune octaves aurally to appropriate stretch

Release: 1

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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 octaves aurally so they achieve an even and accurate pitch and then continue to tune strings while using hammer and stabilisation techniques.

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 for tuning octaves aurally	1.1 Analyse and confirm job requirements with personnel, customer or from workplace documentation 1.2 Identify and follow work health and safety requirements including physical and ergonomic needs 1.3 Establish and maintain communication to ensure efficient workflow, coordination, personnel cooperation and safety 1.4 Analyse written instructions and apply to job requirements 1.5 Select tools and equipment consistent with needs of job, inspect for serviceability and safety, and repair any faults or report in accordance with workplace procedures
2. Tune the fundamental	2.1 Given an external pitch standard, match frequency of one string to

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
string aurally to a pitch standard	that pitch to within ± .5 cent 2.2 Stabilise tuned string using hammer techniques
3. Match frequency of a string one octave above or below pitch standard	3.1 Assess pitch and make adjustments to pitch of string/octave above or below pitch standard 3.2 Utilise stabilisation techniques to retain tuning 3.3 Use 4^{th} and 5^{th} intervals to establish highest or lowest beatless condition 3.4 Match the overtone of primary note a fundamental octave up, or match fundamental of a primary note to 1^{st} octave of one overtone lower 3.5 Use 10^{th}, double octaves and minor 7^{th} checks to verify tuning 3.6 Test intervals going up and down to ensure tuning meets industry standards 3.7 Tune remaining octaves in accordance with above process
4. Clean up work area	4.1 Check, clean and store equipment and any unused materials in accordance with workplace procedures 4.2 Clean work area, safely dispose of waste and identify items for recycling in accordance with workplace procedures and environmental standards 4.3 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 MSFPT3012 Tune octaves aurally to appropriate stretch.

Links

Companion Volume implementation guides are found in VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73