

**Modification history**

Release	Comments
Release 1	This version released with Racing and Breeding Training Package Version 3.0.

<b>RGRPSGXX8</b>	<b>RGRPSGXX8 Relate musculoskeletal structure to greyhound movement</b>
<b>Application</b>	<p>This unit of competency describes the skills and knowledge required to apply knowledge of the musculoskeletal structure of greyhounds and link it to greyhound movement particularly in relation to training and racing.</p> <p>The unit applies to individuals who work under broad direction and take responsibility for their own work. They complete routine activities dealing with predictable and unpredictable problems relating to their work in the greyhound racing sector.</p> <p>All work must be carried out to comply with workplace procedures, according to state/territory animal welfare and health and safety regulations, legislation and standards that apply to the workplace.</p> <p>No occupational licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
<b>Prerequisite Unit</b>	Nil
<b>Unit Sector</b>	Performance services greyhounds (PSG)

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Examine the key structures of the greyhound musculoskeletal system	1.1 Identify the main bones and joints within the greyhound musculoskeletal system and relate to their purpose 1.2 Identify the types of soft tissues and the relationship of ligaments and tendons to the musculoskeletal system 1.3 Relate the operation of the major musculoskeletal structures to body stability, movement, power and stamina
2. Locate greyhound muscles and supporting tissues	2.1 Locate deep and superficial muscles of significance to power and locomotion 2.2 Define muscle actions, origin and insertion points 2.3 Identify tendons and ligaments of significance to power and locomotion
3. Recognise changes in the greyhound musculoskeletal system due to growth and performance	3.1 Identify key changes to the greyhound musculoskeletal system due to growth at early life stages 3.2 Identify the impact of overtraining and injury on the musculoskeletal system 3.3 Identify changes to toes and feet that can occur as a result of exercise, ailments and injury 3.4 Apply knowledge of musculoskeletal systems to healing processes and recovery times for injuries

<b>Foundation Skills</b>	
<i>This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.</i>	
Skill	Description
Reading	<ul style="list-style-type: none"> <li>Interpret key features of anatomical diagrams of the greyhound musculoskeletal system</li> </ul>

<b>Foundation Skills</b>	
<i>This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.</i>	
<b>Skill</b>	<b>Description</b>
Oral communication	<ul style="list-style-type: none"> <li>Use correct anatomical and industry terminology to communicate information about the greyhound musculoskeletal system</li> </ul>

<b>Unit Mapping Information</b>			
<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
RGRPSGXX8 Relate musculoskeletal structure to greyhound movement	Not applicable	New unit	No equivalent unit

<b>Links</b>
Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=5c4b8489-f7e1-463b-81c8-6ecce6c192a0">https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=5c4b8489-f7e1-463b-81c8-6ecce6c192a0</a>

<b>TITLE</b>	<b>Assessment requirements for RGRPSGXX8 Relate musculoskeletal structure to greyhound movement</b>
<b>Performance Evidence</b>	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has:</p> <ul style="list-style-type: none"> <li>• identified and located the following musculoskeletal features, at least once, on an anatomical drawing, model and/or a greyhound: <ul style="list-style-type: none"> <li>• major bones and joints</li> <li>• main muscles, ligaments and tendons</li> </ul> </li> <li>• used correct anatomical and industry terminology to relate information about the greyhound musculoskeletal system.</li> </ul>	
<b>Knowledge Evidence</b>	
<p>An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:</p> <ul style="list-style-type: none"> <li>• overview of bones and joints in the greyhound musculoskeletal system, including: <ul style="list-style-type: none"> <li>• spine - neck and lumbar spine</li> <li>• thorax - ribs and sternum</li> <li>• front leg - shoulder joint, spine of the scapula, elbow joint, carpal joint, metacarpal phalangeal joints, inter phalangeal joints</li> <li>• hind leg - hip joint, stifle joint, tarsal joint, metatarsal phalangeal joints, inter phalangeal joints</li> </ul> </li> <li>• overview of muscles, ligaments and tendons in the greyhound musculoskeletal system, including <ul style="list-style-type: none"> <li>• spine - paravertebral muscles, intervertebral ligaments</li> <li>• trunk - rib musculature</li> <li>• front leg - triceps, biceps brachii muscle, flexor carpi radialis muscle and tendon,</li> <li>• hind leg - psoas muscle, tensor fascia lata muscle, quadriceps muscles, semimembranosus and semitendinosus muscles, gastrocnemius muscle and tendon</li> </ul> </li> <li>• how musculoskeletal structures relate to body stability, movement, power and stamina</li> <li>• changes to bone due to age, exercise and injury</li> <li>• bone development during growth periods, including: <ul style="list-style-type: none"> <li>• tibial crest</li> <li>• radial and distal growth plates</li> </ul> </li> <li>• changes to soft tissues as a result of growth, exercise, ailments and injury</li> <li>• healing processes and recovery times for injuries.</li> </ul>	
<b>Assessment Conditions</b>	
<p>Assessment of skills must take place under the following conditions:</p> <ul style="list-style-type: none"> <li>• physical conditions: <ul style="list-style-type: none"> <li>• a workplace or an environment that accurately represents workplace conditions</li> </ul> </li> <li>• resources, equipment and materials: <ul style="list-style-type: none"> <li>• greyhound</li> <li>• anatomical drawing/s and/or model.</li> </ul> </li> </ul> <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
<b>Links</b>	Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=5c4b8489-f7e1-463b-81c8-6ecce6c192a0">https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=5c4b8489-f7e1-463b-81c8-6ecce6c192a0</a>