Modification history

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| Release | Comments |
| Release 2 | This version released with ACM Animal Care and Management Training Package Version 3.0. |
| Release 1 | This version released with ACM Animal Care and Management Training Package Version 1.0. |

| ACMFAR40x | Fit shoes to alleviate severe abnormalities and defects in equines |
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| Application | This unit of competency describes the skills and knowledge required to fit shoes to equines that exhibit a range of severe faults and defects where the level of assessment and remedial technique is regarded as severe. It includes shaping and fitting heart bar, straight bar and lateral extension hind shoes.  The unit applies to individuals who use knowledge and technical skills to perform farriery services across different equine industry sectors.  No occupational licensing or certification requirements apply to this unit at the time of publication.  Work health and safety and animal welfare legislation relevant to interacting with horses applies to workers in this industry. Requirements vary between industry sectors and state/territory jurisdictions. Users are advised to check with the relevant authority for specific requirements. |
| Prerequisite Unit | Nil |
| Unit Sector | Farriery (FAR) |

| Elements | Performance Criteria |
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| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Identify shoeing needs of individual equines | 1.1 Handle equines to reduce stress and alarm, monitor behaviour to eliminate risks to equine and handlers and use restraints and personal protection equipment according to workplace practices  1.2 Observe gait and conformation of the equine to identify severe faults and defects that may be alleviated  1.3 Adopt a working position that maintains comfort of the equine and ensures comfort and personal safety  1.4 Use appropriate tools to remove shoes, ensuring no damage is caused to the feet  1.5 Clean feet of foreign bodies to facilitate examination of the hoof  1.6 Examine the shoe and assess implications of the wear pattern  1.7 Report any conditions requiring higher-level treatment by a veterinarian or other specialist  1.8 Amend the shoeing plan, taking into account conditions of the feet not previously identifiable |
| 2. Trim and prepare feet | 2.1 Use shoeing tools to trim and prepare feet to achieve balance, level and shape and to correct any identified foot defects  2.2 Conduct trimming operations without injury to the feet of the equine  2.3 Check work while in progress and on completion to ensure quality outcomes of hoof mechanics and foot preparation have been achieved |
| 3. Fit shoes or other hoof protection | 3.1 Make or select correct type, material and size of shoes and make modifications according to shoeing plan  3.2 Select suitable tools to fit shoes  3.3 Shape selected shoes to incorporate any ancillary features as determined by the shoeing plan  3.4 Fit shoes to fore and hind feet and assess the need for any final adjustments  3.5 Make final adjustments to the shape and size of the shoe and ancillary features to achieve correct fit |
| 4. Attach shoes and finish shoeing process | 4.1 Select suitable tools and nails for attaching and clenching shoes  4.2 Attach the shoe safely, securely and in the correct position  4.3 Finish the hoof according to specification and assess the finished job and the welfare of the equine  4.4 Trot and/or walk the equine to identify any signs of lameness  4.5 Inform the responsible person of farriery procedures completed and advise on future foot care requirements and welfare of the equine  4.6 Update records of service according to workplace practices |

| Foundation Skills  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. | |
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| Skill | Description |
| Writing | * Record specifications and shoe plans for individual equines accurately in workplace documentation |
| Numeracy | * Estimate, calculate, record and apply routine workplace measures to required tasks including measurements to assess shoe requirements * Use measuring devices to take measurements accurately |
| Navigate the world of work | * Take responsibility for adherence to workplace procedures and codes of practice, including safety, animal welfare and biosecurity requirements, relating to own role and work area |
| Interact with others | * Follow accepted communication practices and protocols for reporting information to clients and specialists using industry-standard terminology and concepts suitable for audience * Participate in conversations providing clear and firm advice relating to equine health and animal welfare issues |
| Get the work done | * Observe and examine equines, using safe handling techniques, to determine foot and shoe care requirements * Plan, sequence and prioritise tasks and assemble equipment to make shoes to meet specific requirements of equines |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| ACMFAR40x Fit shoes to alleviate severe abnormalities and defects in equines | ACMFAR311 Fit shoes to alleviate severe faults and defects in equines | Minor changes to clarify intent of unit  Changes to assessment requirements and code to reflect level of work | Equivalent unit |

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| Links | Companion Volumes, including Implementation Guides, are available at VETNet:  <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=b75f4b23-54c9-4cc9-a5db-d3502d154103> |

| TITLE | Assessment requirements for ACMFAR40X Fit shoes to alleviate severe abnormalities and defects in equines |
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| Performance Evidence | |
| An individual demonstrating competency must satisfy all the elements and performance criteria in this unit.  There must be evidence that the individual assessed the shoeing needs and made and/or selected and fitted shoes on at least two individual equines (or appropriate simulations) exhibiting severe conditions of the foot or lower limb including:   * straight bar shoe * heart bar and egg bar shoe * lateral extension hind shoe.   In carrying out the above, the individual must have:   * observed gait and conformation and examined shoe wear to identify individual shoeing need * trimmed and prepared individual equine feet using safe handling techniques throughout shoe fitting process * selected, shaped and fitted shoes to meet requirements of individual equines and assessed quality of outcome * provided advice and discussed options for hoof care treatments and requirements with clients and veterinarians * maintained records of service provided. | |

| Knowledge Evidence |
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| 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:   * equine anatomical features relevant to farrier services, including: * lower limb and foot and applicable biomechanical functions * conformation, normal gait and abnormalities of gait * symptoms and presentation of severe foot conditions, including: * laminitis * founder * canker * fractured navicular or pedal bones * tendon lacerations * suspensory rupture * injuries caused by the shoe - capped elbow, overreach * defective feet - flat or twisted foot; weak or low heels * injuries caused by gait abnormalities * limb or foot diseases and injuries requiring protection and pressure relief * ailments - surface puncture wounds, sand crack/grass cracks * techniques to alleviate a range of severe faults, defects and foot problems through shoeing * trimming techniques, including: * effects of trimming on the stance and action of an equine * limits of safe trimming and why these must not be exceeded * types of shoes, reasons for use of particular shoes and fitting techniques, including: * straight bar shoe for stabilisation of hoof capsule, fitting of hospital plates, corns and pedal osteitis * heart bar and egg bar shoe * lateral extension hind shoe for sheared heel and conformational deviations to the lateral branch of the hind limbs * tools for removing and fitting shoes and trimming feet * types of orthopaedic shoes and modifications that may be made to address the needs of an equine exhibiting severe faults and defects * providing advice and referrals * key principles of animal welfare legislation as applied to farriery services including equine comfort and wellbeing * safe work practices, including: * identify hazards and control risks when interacting with equines * manual handling * using personal protective equipment * safe zones and equine handling techniques * hygiene, cleaning and disease control * safe waste handling and disposal. |

| Assessment Conditions |
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| Assessment of skills must take place under the following conditions:   * physical conditions: * a workplace or simulated environment that accurately reflects performance in a real workplace setting * resources, equipment and materials: * various compliant and manageable equines, assessed as suitable for the skill and experience of the individual, or appropriate simulations such as equine cadaver legs – with severe faults and defects of the foot or lower limb * measuring and recording tools * appropriate tack for equine and activity * tools, equipment and materials for modifying and fitting shoes * personal protective equipment correctly fitted and applicable to fitting shoes for individual equine.   Training and assessment strategies must show evidence of the use of guidance provided in the Companion Volume: User Guide: Safety in Equine Training.  Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards. |

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