



Australian Government

RIIPSM301D Cast a blast furnace

Release: 2

RIIPSM301D Cast a blast furnace

Modification History

Release	Comment
1	This unit replaces RIIPSM301A Cast a blast furnace
2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Application

This unit describes a participant's skills and knowledge required to cast a blast furnace in Metalliferous mining.

This unit is appropriate for those working in operational roles.

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories, and industry sectors. Relevant information must be sourced prior to application of the unit.

Unit Sector

Metalliferous mining

Elements and Performance Criteria

1. Plan and prepare for casting of a blast furnace	1.1 Access, interpret and apply smelting documentation and ensure the work activity is compliant
	1.2 Identify, address and report potential hazards, risks and environmental issues and implement control measures
	1.3 Select and wear appropriate personal protective equipment
	1.4 Place and operate all runners, dams and skimmers correctly
	1.5 Ensure that tools are at the correct temperature for the work activity
	1.6 Access and prepare casting equipment
	1.7 Maintain tap hole
2. Cast ore and	2.1 Drain runners after cast

slag	2.2 Safely complete off blast activities 2.3 Secure and plug the tap hole 2.4 Ensure that only iron enters the iron receiving vessel 2.5 Open and keep the tap hole clear during cast 2.6 Apply appropriate warnings when instructed to activate item 2.7 Ensure fume extraction and indicator lights are operating accurately
3. Separate ore and slag	3.1 Segregate slag according to retained ore proportion and direct accordingly 3.2 Contain slag flows within the runner system 3.3 Ensure that tools are at the correct temperature for the work activity 3.4 Maintain runner system

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Unit Mapping Information

RIIPSM301A Cast a blast furnace

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>