



Australian Government

RIIPSM302D Cast ingots

Release: 3

RIIPSM302D Cast ingots

Modification History

Release	Comment
1	This unit replaces RIIPSM302A Cast ingots
2	Inserted Performance Evidence
3	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 apply cast ingots 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 operations	1.1 Access, interpret and apply smelting documentation and ensure the work activity is compliant 1.2 Receive, interpret and clarify shift change over details 1.3 Select and wear appropriate personal protective equipment 1.4 Select and use appropriate plant, tools and equipment for the work activity 1.5 Perform plant, tools and equipment pre-start checks 1.6 Carry out start-up procedures 1.7 Identify, address and report potential risks, hazards and
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	environmental issues and implement control measures 1.8 Communicate with other equipment operators 1.9 Access, interpret and adhere to emergency procedures 1.10 Ensure area is well ventilated 1.11 Adjust mould, launder and ladle system for work activity
2. Prepare moulds/laundry system	2.1 Dress moulds/laundry system 2.2 Check for faults or defects 2.3 Prepare moulding pit 2.4 Dry product 2.5 Strip and cleanout moulding pit, where required 2.6 Check cooling system is fit for operation
3. Cast metal	3.1 Teem/tap liquid metal into ladles and/or laundry system, where required 3.2 Cast liquid metal into moulds 3.3 Test temperature and obtain a sample of the liquid 3.4 Identify variances and adjust the composition with additives 3.5 Monitor cast during work activity
4. Remove cast metal	4.1 Knock off mould plates when mould has been bumped out 4.2 Identify faults to launders, report and repair 4.3 Identify and remove damaged and faulty moulds 4.4 Remove slides from ladles, identify faults, repair and reposition slides 4.5 Inspect for quality, chips and marks 4.6 Prepare ingots, anodes or bullion for transport and storage
5. Shutdown in sequence and/or isolate equipment	5.1 Shutdown and/or isolate equipment 5.2 Perform post shutdown and/or isolation checks
6. Conduct housekeeping activities	6.1 Clean, check, maintain and store plant, tools and equipment 6.2 Report issues identified with plant, tools and equipment

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

RIIPSM302A Cast ingots

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>