

Establish the ventilation emergencies (egress and entrapment) management plan



<i>Competency Unit</i>	AMV104	Establish the ventilation emergencies (egress and entrapment) management plan
<i>Description of Unit</i>	This unit covers the strategic management functions required to develop and establish a ventilation emergency (egress and entrapment) management plan as well as the implementation and review of the plan to ensure compliance and suitability. This unit deals with the technical aspects of preparing the ventilation system and the mine for a ventilation-related egress and/or entrapment emergency and technical management of the ventilation systems during an egress and/or entrapment emergency in a mine and the various situations that could that could create a critical incident.	
<i>Applicable to</i>	Ventilation officers or engineers, mine planning or operations engineers, statutory regulators or any person who may need to design, modify, schedule, operate, risk-assess or audit ventilation-related mine emergency (especially egress and entrapment) systems in mines or sub-surface excavations.	
<i>Co-requisites (required)</i>	MNCU1106 or MNCU1109 or MNMMSM631A, <i>Establish the ventilation management plan/system</i>	
<i>Co-requisites (recommended)</i>	AMV100 <i>Identify, analyse and evaluate psychrometric heating and cooling processes and climate</i> and AMV101 <i>Establish the heat stress management plan</i>	
<i>Method of delivery</i>	1-day workshop with subsequent assignment(s).	
<i>Assessments</i>	Review of egress and entrapment scenarios in an operating mine; technical reviews of egress and entrapment capabilities; development of management plan; design of toolbox talk.	
<i>Locations</i>	Brisbane or Mackay. Also available at other locations at additional cost (<i>see below</i>).	
<i>Course presenter</i>	Dr Rick Brake	Dr Rick Brake is a Chartered Practicing Mining Engineer with 25 years experience in underground and open cut mines in senior planning and operating roles in Australia and North America. He graduated with First Class Honours in Mining Engineering from the University of Queensland in 1979, completed a Master of Business Administration from Deakin University in 1991 and completed a PhD in physiology from the School of Public Health at Curtin University in the area of human heat stress in 2002. He has a First Class Mine Manager's Certificate of Competency (Qld) and is a Fellow of the AusIMM, a member of MICA and the MVSSA, an RPE(Qld) and has consulted widely and published extensively in the areas of mine ventilation, cooling and refrigeration, heat stress and egress and entrapment.
<i>Hardware/ software requirements</i>	Laptop with Windows™ and Microsoft Excel™	Special egress and entrapment software is provided for the student.
<i>Required text books and facilities</i>	Access to a working mine for analysis, measurements and audits.	
<i>Fees (\$AUD)</i> <i>[subject to change without notice]</i>	\$1,000 (no GST payable)	
<i>Conditions</i>	Fees apply for Brisbane and Mackay. Courses can be run at other locations. Additional fees may apply. All courses are subject to maximum and minimum registrations.	
<i>Further Information</i>	TAFE Queensland Mining Services Phone: 1300 653 050 or +61 7 4920 2654 Email: TQMining@det.qld.gov.au	Mine Ventilation Australia Phone: +61 7 3269 3733 Email: mvamail@mvaust.com.au