



Australian Government

AVIF2015 Utilise emergency breathing system

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

Application

This unit involves the skills and knowledge required to utilise an emergency breathing system (EBS), in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards. Use of this unit in non-aviation related safety roles is to be in accordance with relevant industry and national regulatory requirements.

It includes preparing an EBS for use, operating an EBS and completing EBS post-operational procedures.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to safety management duties of flight crews, and contributes to safe and effective performance in complex aviation operational environments.

Operations are conducted as part of recreational, commercial and military aircraft activities across a variety of operational contexts within the Australian aviation industry.

Work is performed independently or under limited supervision within a single-pilot or multi-crew environment.

Licensing, legislative, regulatory or certification requirements are applicable to this unit.

Use for Defence Aviation is to be in accordance with relevant Defence Orders, Instructions, Publications and Regulations.

Pre-requisite Unit

Not applicable.

Competency Field

F – Safety Management

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare an EBS for use

2 Operate an EBS

3 Complete EBS post-operational procedures

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- | | |
|-----|---|
| 1.1 | EBS pre-flight inspection is conducted |
| 1.2 | Preparations for flight are completed |
| 1.3 | EBS defects are reported |
| 2.1 | EBS is fitted in accordance with equipment instructions |
| 2.2 | EBS purging techniques are employed |
| 2.3 | Breathing techniques are employed during ascent |
| 2.4 | EBS malfunctions are responded to |
| 3.1 | EBS after-use inspection is conducted |
| 3.2 | EBS after-flight defects are reported |
| 3.3 | EBS equipment is stowed in appropriate storage |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Pre-flight inspection must include:

- leaking
- visible signs of damage

EBS purging techniques must include:

- blow-out
- purge button
- combination of blow-out and purge button

Malfunctions must include:

- flooding (continual flow)
- free flow

- out of air

Unit Mapping Information

This unit replaces and is equivalent to AVIF2015A Utilise emergency breathing system.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816>