

1. Title	Cold work holes in aeronautical aluminum alloys
2. Code	EMAMWS306A
3. Range	Cold work holes in aeronautical aluminum alloys are performed in an aircraft hangar or workshop by using appropriate tools or machinery.
4. Level	3
5. Credit	4
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Knowledge</p> <ul style="list-style-type: none"> ◆ Understand the operation principles of cold work holes. ◆ Understand the characteristics of the aeronautical aluminum alloys. <p>6.2 Methods and procedures</p> <ul style="list-style-type: none"> ◆ Able to review the maintenance documents and procedures to decide on maintenance task. ◆ Able to obtain and check the resources for serviceability or status in accordance with the procedures. ◆ Able to calibrate cold working equipment to meet task requirements in accordance with the procedures. ◆ Able to prepare and process holes cold working in accordance with the procedures, e.g. ream, de-burr. ◆ Able to rectify the non-conformities in accordance with the procedures. ◆ Able to perform inspections in accordance with the procedures ◆ Able to deburr the work piece in accordance to produces

	<p>6.3 Professional approach</p> <ul style="list-style-type: none"> ◆ Able to understand the legislative requirements, aviation authority requirements, manufacturers' publications and the maintenance organizations' approved maintenance practices and requirements in carrying out the task. ◆ Able to complete the task within the stipulated duration. ◆ Able to prepare the parts for storage, transit or use in accordance with the procedures. ◆ Able to return the work area in a condition enabling the next task to begin. ◆ Able to check and return the resources for serviceability in accordance with the procedures, e.g. tools, equipment, safety equipment, publications. ◆ Able to handle items, parts and materials in accordance with the procedures. ◆ Able to complete the documentation in accordance with the procedures, including: <ul style="list-style-type: none"> • labels, work cards, work orders, release notes, log books, certification
<p>7. Assessment Criteria</p>	<p>The integral outcome requirement of this UoC is:</p> <p>(i) Able to cold work holes in the aeronautical aluminum alloys to prepare for fasteners to be fitted using the split sleeve, sleeveless, high interference, low interference, or combination method in accordance with specified requirements.</p>
<p>8. Remarks</p>	<p>Ref: NZQA - 4069</p>