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| 1. Title | Sheet Metal Cutting |
| 2. Code | EMAMWS307A |
| 3. Range | Sheet metal cutting is performed in an aircraft hangar or workshop by using appropriate tools or machinery. |
| 4. Level | 3 |
| 5. Credit | 9 |
| 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 characteristics of the sheet metals used in aircrafts. ◆ Understand the operation principles of cutting tools, including: <ul style="list-style-type: none"> • guillotines, hole saws, hacksaws, band saws, snips, nibblers, files, reamers, portable drills, hand punches, power punches, routers and drill presses <p>6.2 Methods and procedures</p> <ul style="list-style-type: none"> ◆ Able to secure the material to prevent movement during cutting. ◆ Effective use of appropriate tools to cut the material to dimensions in accordance with the procedures ◆ Able to rectify the non-conformities accordance with procedures. ◆ Able to dress the material to remove sharp edges and stress raisers. ◆ Able to perform inspections in accordance with the procedures. ◆ Able to deburr the work piece in accordance to produces |

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| | <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 unused 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 |
| 7. Assessment Criteria | <p>The integral outcome requirement of this UoC is:</p> <p>(i) Able to shape the aeronautical sheet metal by cutting using guillotines, hole saws, hand-held hacksaws, power hacksaws, band saws, nibblers, files, reamers, portable drills, and drill presses.</p> |
| 8. Remarks | <p>(Ref: HKAR-66 Module 7.14)</p> <p>The Credit in this UoC is on the assumption of the person already possessed the basic workshop practices, use of tools and work</p> |