

1. Title	Aircraft compasses compensation	
2. Code	EMAMBX401A	
3. Range	Aircraft compasses compensation is usually carried out in an aircraft hangar during the aircraft grounded time.	
4. Level	4	
5. Credit	2	
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Preparation</p> <ul style="list-style-type: none"> ◆ Able to review the maintenance documents and procedures to decide on maintenance task. ◆ Able to obtain the resources and check them for serviceability or status in accordance with the procedures, e.g. tools, equipment, safety equipment, publications, materials, personnel. ◆ Able to confirm the compass to be swung is matched with the aircraft registration and documentation. ◆ Able to prepare the aircraft and systems for the application of power and system operation in accordance with the procedures, e.g. clearances, ground locks, isolation tags, warning signs, aircraft positioned at approved site. <p>6.2 Determine compass deviations and adjust compass</p> <ul style="list-style-type: none"> ◆ Able to carry out the functional check of compass or system to be compensated in accordance with the procedures. ◆ Able to carry out compass swing in accordance with the procedures, e.g. aircraft compass aligned externally to landing compass. ◆ Able to determine and record the deviations in accordance with the procedures. 	

	<p>6.3 Professional approach</p> <ul style="list-style-type: none"> ◆ Able to report and record the defects in accordance with the procedures. ◆ Able to adjust the compass or system in accordance with the procedures. ◆ Able to carry out and compass readjust the check swing in accordance with the procedures. ◆ Able to understand the legislative requirements and current code of practice. ◆ Able to complete the task within the stipulated duration. ◆ Able to follow instruction manuals to carry out aircraft compasses compensation. ◆ Able to return the aircraft, system and work area in a state which enables the next task to begin in accordance with the procedures. ◆ Able to check the resources for serviceability and return them to service or storage in accordance with the procedures, e.g. tools, equipment, safety equipment, publications. ◆ Able to complete the documentation in accordance with the procedures, e.g. work cards, deviation cards, compass log book, certification.
7. Assessment Criteria	<p>The integral outcome requirement of this UoC are:</p> <ul style="list-style-type: none"> (i) Able to make preparation for the compass swing. (ii) Able to determine the compass deviations. (iii) Able to adjust the compass. (iv) Able to compensate the aircraft compasses. (v) Able to complete all the requirements associated with the task.
8. Remarks	Ref: NZQA - 3904