



EUROPEAN MILITARY AIRWORTHINESS REQUIREMENTS

EMAR 147

AIRCRAFT MAINTENANCE TRAINING ORGANISATIONS

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**MILITARY AIRWORTHINESS
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STATUS

The Status of the document can take 3 values:

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EDITION

Edition will have the following template: **Edition X.Y**

The value of **X** will change after a **major** modification of the document

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NOTE:

EMAR 147 Section A & B Edition 1.0 was approved by the MAWA Forum on 14 Jun 2012. During the development of EMAR 66 and EMAR 147 AMC & GM (which were based on the corresponding Commission Regulation 2042/2003 at amendment state M7) it became necessary to revisit EMAR 147 Edition 1.0 to bring it up to the same amendment state. In doing so, Task Force 3 has maintained a clear link to the principles of EASA Part 147, making changes where necessary for use within a military airworthiness context.

In accordance with the direction received from the MAWA Forum, all amended paragraphs from EMAR 147 Edition 1.0 are indicated by the use of a 'sidebar' in the margin. This can be readily cross-referenced using the table at the end of the document which details each change.

This EMAR relies on definitions laid down in EMAD 1.

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SECTION A

TECHNICAL REQUIREMENTS

SUBPART A – GENERAL

147.A.05 Scope

This section establishes the requirements to be met by an Organisation seeking approval as a Maintenance Training Organisation (MTO) to conduct training and examination as specified in EMAR 66.

147.A.10 General

An MTO shall be a legal entity, a part of a legal entity or part of a military organisation.

147.A.15 Application

(a) An application for an approval or for the amendment of an existing approval shall be made to the National Military Airworthiness Authority (NMAA) in an agreed form and manner.

(b) An application for or for the change to an approval shall include the following information:

1. The registered name and address of the applicant;
2. The address of the MTO requiring the approval or change to the approval;
3. The intended scope of approval or change to the scope of approval;
4. The name and signature of the Accountable Manager;
5. The date of application.

SUBPART B - ORGANISATIONAL REQUIREMENTS

147.A.100 Facility requirements

- (a) The size and structure of facilities shall ensure protection from the prevailing weather elements and proper operation of all planned training and examination.
- (b) Fully enclosed appropriate accommodation shall be provided for the instruction of theory and the conduct of knowledge examinations.
1. The maximum number of students undergoing knowledge training during any training session shall not exceed a level conducive to an effective learning environment.
 2. The size of accommodation for examination purposes shall be such that no student can read the paperwork or computer screen of any other student from his/her position during examinations.
- (c) The paragraph (b) accommodation environment shall be maintained such that students are able to concentrate on their studies or examination as appropriate, without undue distraction or discomfort.
- (d) In the case of a basic training course, basic training workshops and/or maintenance facilities separate from training classrooms shall be provided for practical instruction appropriate to the planned training course. If, however, the MTO is unable to provide such facilities, arrangements may be made with another organisation to provide such workshops and/or maintenance facilities, in which case a written agreement shall be made with such organisation specifying the conditions of access and use thereof. The NMAA shall require access to any such organisation and the written agreement shall specify this access.
- (e) In the case of a Military Aircraft Type/Task Training course, access shall be provided to appropriate facilities containing examples of aircraft type as specified in [EMAR 147.A.115\(d\)](#).
- (f) The maximum number of students undergoing practical training during any training session shall not exceed 15 per supervisor or assessor.
- (g) Office accommodation shall be provided for instructors, knowledge examiners and practical assessors of a standard to ensure that they can prepare for their duties without undue distraction or discomfort.
- (h) Secure storage facilities shall be provided for examination papers and training records. The storage environment shall be such that documents remain in good condition for the retention period as specified in [EMAR 147.A.125](#). The storage facilities and office accommodation may be combined, subject to adequate security. The requirements of this paragraph are equally applicable to other storage media (e.g. electronic etc.)
- (i) A library shall be provided containing all technical material appropriate to the scope and level of training undertaken.

147.A.105 Personnel requirements

(a) The MTO shall appoint an Accountable Manager who has corporate authority for ensuring that all training commitments can be carried out to the standard required by EMAR 147. The Accountable Manager shall:

1. Ensure that all necessary resources are available to accomplish training commitments in accordance with [EMAR 147.A.130 \(a\)](#) to support the organisation approval.
2. Establish and promote the quality policy specified in [EMAR 147.A.130\(b\)](#).
3. Demonstrate a basic understanding of this EMAR.

(b) A person or group of persons, whose responsibilities include ensuring that the MTO is in compliance with the requirements of this EMAR, shall be nominated. Such person(s) shall be responsible to the Accountable Manager. The senior person or one person from the group of persons may also be the Accountable Manager subject to meeting the requirements for the Accountable Manager as defined in paragraph (a).

(c) The MTO shall contract/appoint sufficient staff to plan/perform knowledge and practical training, conduct knowledge examinations and practical assessments in accordance with the approval.

(d) By derogation to paragraph (c), when another organisation is used to provide practical training and assessments, such other organisation's staff may be nominated to carry out practical training and assessments.

(e) Any person may carry out any combination of the roles of instructor, knowledge examiner and practical assessor, subject to compliance with paragraph (f).

(f) The experience and qualifications of instructors, knowledge examiners and practical assessors shall be established in accordance with criteria published by the NMAA or in accordance with a procedure and to a standard agreed by the NMAA.

(g) The instructors, knowledge examiners and practical assessors shall be specified in the MTO Exposition (MTOE) for the acceptance of such staff.

(h) Instructors and knowledge examiners shall undergo updating training at least every 24 months relevant to current technology, practical skills, human factors and the latest training techniques appropriate to the knowledge being trained or examined.

147.A.110 Records of instructors, examiners and assessors

(a) The MTO shall maintain a record of all instructors, knowledge examiners and practical assessors for a minimum period of 5 years after termination of their employment or assignment within the MTO. These records shall reflect the experience and qualification, training history and any subsequent training undertaken.

(b) Terms of reference shall be drawn up for all instructors, knowledge examiners and practical assessors.

147.A.115 Instructional equipment

(a) Each classroom shall have appropriate presentation equipment of a standard that ensures students can easily read presentation text/drawings/diagrams and figures from any position in the classroom. Presentation equipment may include representative synthetic training devices to assist students in their understanding of the particular subject matter where such devices are considered beneficial for such purposes.

(b) The basic training workshops and/or maintenance facilities as specified in [EMAR 147.A.100\(d\)](#) shall have all tools and equipment necessary to perform the approved scope of training.

(c) The basic training workshops and/or maintenance facilities as specified in [EMAR 147.A.100\(d\)](#) shall have an appropriate selection of aircraft, engines, aircraft parts, avionic equipment, armaments, escape systems and other relevant military-specific systems.

(d) The Military Aircraft Type Training organisation as specified in [EMAR 147.A.100\(e\)](#) shall have access to the appropriate aircraft type. Synthetic training devices may be used when such synthetic training devices ensure adequate training standards.

147.A.120 Maintenance training material

(a) Maintenance training course material shall be provided to the student and cover as applicable:

1. The basic knowledge syllabus specified in EMAR 66 for the relevant Military Aircraft Maintenance Licence (MAML) category or subcategory; and
2. The type course content required by EMAR 66 for the relevant aircraft type and MAML category or subcategory.

(b) Students shall have access to examples of maintenance documentation and technical information in the library as specified in [EMAR 147.A.100\(i\)](#).

147.A.125 Records of students

The MTO shall keep all student training, examination and assessment records for at least twenty years following completion of the particular student's course.

147.A.130 Training procedures and quality system

(a) The MTO shall establish procedures acceptable to the NMAA to ensure proper training standards and compliance with all relevant requirements in this EMAR.

(b) The MTO shall establish a quality system including:

1. An independent audit function to monitor training standards, the integrity of knowledge examinations and practical assessments, compliance with and adequacy of the procedures; and
2. A feedback system of audit findings to the person(s) and ultimately to the Accountable Manager referred to in [EMAR 147.A.105\(a\)](#) to ensure, as necessary, preventive and corrective actions.

147.A.135 Examinations

- (a) The examination staff shall ensure the security of all questions.
- (b) Any student found during a knowledge examination to be cheating or in possession of material pertaining to the examination subject other than the examination papers and associated authorised documentation shall be disqualified from taking the examination. In such a case the student shall not take any examination for at least 12 months after the date of the incident unless the NMAA approves otherwise. The NMAA shall be informed of any such incident together with the details of any enquiry within one calendar month.
- (c) Any examiner found during a knowledge examination to be providing question answers to any student being examined shall be disqualified from acting as an examiner and the examination declared void. The NMAA shall be informed of any such occurrence within one calendar month.

147.A.140 Maintenance Training Organisation Exposition (MTOE).

- (a) The MTO shall provide an exposition for use by the MTO describing the organisation and its procedures and containing the following information:
 - 1. A statement signed by the Accountable Manager confirming that the MTOE and any associated manuals define the MTO's compliance with this EMAR and shall be complied with at all times. Where the Accountable Manager is not the Chief Executive Officer or the senior military commander of the organisation, the Chief Executive Officer or the senior military commander of the organisation shall countersign that statement.
 - 2. The title(s) and name(s) of the person(s) nominated in accordance with [EMAR 147.A.105\(b\)](#).
 - 3. The duties and responsibilities of the person(s) specified in subparagraph (a) 2, including matters on which they may deal directly with the NMAA on behalf of the MTO.
 - 4. A MTO chart showing associated lines of responsibility of the person(s) specified in subparagraph (a)2.
 - 5. A list of the instructors, knowledge examiners and practical assessors.
 - 6. A general description of the training and examination facilities located at each address specified in the MTO's approval certificate, and if appropriate any other location, as required by [EMAR 147.A.145\(b\)](#).
 - 7. A list and details of the maintenance training courses which form the extent of the approval.
 - 8. The MTO's exposition amendment procedure.
 - 9. The MTO's procedures, as required by [EMAR 147.A.130\(a\)](#).
 - 10. The MTO's control procedure, as required by [EMAR 147.A.145\(c\)](#), when authorised to conduct training, examination and assessments in locations different from those specified in [EMAR 147.A.145\(b\)](#).
 - 11. A list of the locations pursuant to [EMAR 147.A.145\(b\)](#).

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12. A list of organisations, if appropriate, as specified in [EMAR 147.A.145\(d\)](#).

(b) The MTO's exposition and any subsequent amendments shall be approved by the NMAA.

(c) Notwithstanding paragraph (b) minor amendments to the exposition may be approved through an exposition procedure (also called indirect approval).

(d) Where an MTO has an extant EASA Part 147 approval, those parts of the organisation's EASA Part 147 exposition that are equally applicable to satisfy the EMAR 147 requirements will generally be accepted by the NMAA as equivalent in respect of the EMAR 147 exposition. In this case it is permissible that only those regulations that are military specific need be addressed in the EMAR 147 exposition; those regulations covered by read-across of the sections of the EASA exposition document shall be identified and the EASA document clause reference quoted.

147.A.145 Privileges of the Maintenance Training Organisation

(a) The MTO may carry out the following as permitted by and in accordance with the MTOE:

1. Basic training courses to the EMAR 66 syllabus, or part thereof.

2. Aircraft type/task training courses in accordance with EMAR 66, or part thereof.

3. The examinations on behalf of the NMAA, including the examination of students who did not attend the basic or Military Aircraft Type Training course at the MTO. (The procedures for examinations are detailed in EMAR 66.B.200).

4. the issue of certificates in accordance with Appendix III following successful completion of the approved basic or Military Aircraft Type Training courses and examinations specified in subparagraphs (a)(1), (a)(2) and (a)(3), as applicable.

(b) Training, knowledge examinations and practical assessments may only be carried out at the locations identified in the approval certificate and/or at any location specified in the MTOE.

(c) By derogation to paragraph (b), the MTO may only conduct training, knowledge examinations and practical assessments in locations different from the paragraph (b) locations in accordance with a control procedure specified in the MTOE. Such locations need not be listed in the MTOE.

(d) 1. The MTO may subcontract the conduct of basic theoretical training, Military Aircraft Type Training and related examinations to a non MTO only when under the control of the MTO quality system.

2. The subcontracting of basic theoretical training and examination is limited to EMAR 66 Appendix I modules 1,2,3,4,5,6,8,9 and 10.

3. The subcontracting of Military Aircraft Type Training and examination is limited to powerplant, avionic systems, armaments, escape systems and other relevant military-specific systems.

(e) An organisation shall not be approved to conduct examinations unless approved to conduct the corresponding training.

(f) NOT APPLICABLE.

147.A.150 Changes to the Maintenance Training Organisation

(a) The MTO shall notify the NMAA of any proposed changes to the organisation that affect the approval before any such change takes place, in order to enable the NMAA to determine continued compliance with this EMAR and to amend if necessary the MTO approval certificate.

(b) The NMAA may prescribe the conditions under which the MTO may operate during such changes unless the NMAA determines that the MTO approval must be suspended.

(c) Failure to inform the NMAA of such changes may result in suspension or revocation of the MTO approval certificate backdated to the actual date of the changes.

147.A.155 Continued validity of approval

(a) An approval shall be issued for an unlimited duration. It shall remain valid subject to:

1. The MTO remaining in compliance with this EMAR, in accordance with the provisions related to the handling of findings as specified under [EMAR 147.B.130](#); and
2. The NMAA being granted access to the MTO to determine continued compliance with this EMAR; and
3. The certificate not being surrendered or revoked.

(b) Upon surrender or revocation, the approval shall be returned to the NMAA.

147.A.160 Findings of non-compliance

(a) A level 1 finding is one or more of the following:

1. Any significant non-compliance with the examination process which would invalidate the examination(s),
2. Failure to give the NMAA access to the MTO's facilities during normal operating hours after two written requests,
3. The lack of an Accountable Manager,
4. A significant non-compliance with the training process.

(b) A level 2 finding is any non-compliance with the training process other than level 1 finding.

(c) After receipt of notification of findings according to [EMAR 147.B.130](#), the holder of the MTO approval shall define a corrective action plan and demonstrate corrective action to the satisfaction of the NMAA within a period agreed with this authority.

SUBPART C - APPROVED BASIC TRAINING COURSE

147.A.200 The approved basic training course

- (a) The approved basic training course shall consist of knowledge training, knowledge examination, practical training and a practical assessment.
- (b) The knowledge training element shall cover all subjects of the relevant MAML category as specified in EMAR 66.
- (c) The knowledge examination element shall cover a representative cross section of all subjects from the paragraph (b) training element.
- (d) The practical training element shall cover the practical use of common tooling/equipment, the disassembly/assembly of a representative selection of aircraft parts and the participation in representative maintenance activities being carried out relevant to the particular EMAR 66 complete module.
- (e) The practical assessment element shall cover the practical training and determine whether the student is competent at using tools and equipment and working in accordance with maintenance manuals.
- (f) The duration and minimum number of practical training hours to be completed on basic training courses shall be in accordance with Appendix I.
- (g) The duration of conversion courses between (sub)categories shall be determined by the MTO through an assessment of the basic training syllabus and the related practical training needs.

147.A.205 Basic knowledge examinations

Basic knowledge examinations shall:

- (a) Be in accordance with the standard defined in EMAR 66.
- (b) Be conducted without the use of training notes.
- (c) Cover a representative cross section of subjects from the particular module of training completed in accordance with EMAR 66.

147.A.210 Basic practical assessment

- (a) Basic practical assessments shall be carried out during the basic maintenance training course by the nominated practical assessors at the completion of each visit period to the practical workshops/maintenance facility.
- (b) The student shall achieve an assessed pass with respect to [EMAR 147.A.200\(e\)](#).

SUBPART D - AIRCRAFT TYPE/TASK TRAINING

147.A.300 Aircraft type/task training

An MTO shall be approved to carry out EMAR 66 aircraft type and/or task training or part thereof, subject to compliance with the standard specified in EMAR 66.A.45.

147.A.305 Aircraft type examinations and task assessments

An MTO approved in accordance with [EMAR 147.A.300](#) to conduct Military Aircraft Type Training or part thereof, shall conduct the related aircraft type examinations or aircraft task assessments specified in EMAR 66 subject to compliance with the aircraft type and/or task standard specified in EMAR 66.A.45.

SECTION B

PROCEDURES FOR NATIONAL MILITARY AIRWORTHINESS AUTHORITIES

SUBPART A - GENERAL

147.B.05 Scope

This section establishes the administrative procedures which the NMAA shall follow when exercising its tasks and responsibilities regarding issuance, continuation, change, suspension or revocation of MTO approvals in accordance with the requirements of EMAR 147.

147.B.10 National Military Airworthiness Authority

(a) General

The participating Member States (pMS) shall designate their NMAA with allocated responsibilities for the issuance, continuation, change, suspension or revocation of a MTO approval. This NMAA shall establish documented procedures and an organisational structure.

(b) Resources

The NMAA shall be appropriately staffed to carry out the requirements as detailed in this section.

(c) Qualification and training

All staff involved in EMAR 147 approvals shall:

1. Be appropriately qualified and have all necessary knowledge, experience and training to perform their allocated tasks.
2. Have received training/continuation training on EMAR 147 and EMAR 66 where relevant, including their intended meaning and standard.

(d) Procedures

The NMAA shall establish procedures detailing how compliance with this Section B is accomplished.

The procedures shall be reviewed and amended to ensure continued compliance.

147.B.15 DELETED

147.B.20 Record-keeping

(a) The NMAA shall establish a system of record-keeping with minimum retention criteria that allows adequate traceability of the process to issue, continue, change, suspend or revoke each individual organisation approval.

(b) The records shall include as a minimum:

1. The application for an organisation approval, including the continuation thereof.

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2. The NMAA continued oversight program including all audit records.
3. A copy of the organisation approval certificate including any change thereto.
4. A copy of the audit program listing the dates when audits are due and when audits were carried out.
5. Copies of all formal correspondence including EMAR Form 4 or equivalent.
6. Details of any exemption and enforcement action(s).
7. Any report from other authorities relating to the oversight of the MTO.
8. The MTOE and its amendments.

(c) The minimum retention period for the above records shall be four years.

(d) The NMAA may elect to use either a paper or computer system or any combination of both subject to appropriate controls.

147.B.25 Exemptions

(a) The NMAA may exempt State Schools from the following:

1. NOT APPLICABLE.
2. NOT APPLICABLE.
3. Having recourse to the independent audit part of a quality system subject to the operating of an independent schools inspectorate to audit the MTO at the frequency required by this EMAR.

(b) All exemptions accepted shall be recorded and retained by the NMAA.

SUBPART B - ISSUE OF AN APPROVAL

This Subpart provides the requirements to issue or change an MTO approval.

147.B.110 Procedure for approval and changes to an approval

- (a) Upon receipt of an application, the NMAA shall:
 - 1. Review the MTOE; and
 - 2. Verify the MTO's compliance with the requirements of EMAR 147.
- (b) All findings identified shall be recorded and confirmed in writing to the applicant.
- (c) All findings shall be closed in accordance with point [EMAR 147.B.130](#) before the approval is issued.
- (d) The reference number shall be included on the approval certificate in a manner specified by the NMAA.

147.B.120 Continued validity procedure

- (a) Each MTO shall be audited for compliance with this EMAR at periods not exceeding 24 months. This shall include the monitoring of at least one training course and one examination performed by the MTO.
- (b) Findings shall be processed in accordance with [EMAR 147.B.130](#).

147.B.125 Maintenance Training Organisation approval certificate

The MTO approval certificate format shall be as detailed in Appendix II.

147.B.130 Findings

- (a) Failure to complete the rectification of any level 1 finding within three days of written notification shall entail revocation, suspension or limitation by the NMAA, of the MTO approval in whole or in part.
- (b) Action shall be taken by the NMAA to revoke, limit or suspend in whole or part the approval in case of failure to comply within the time scale granted by the NMAA in the case of a level 2 finding.

**SUBPART C - REVOCATION, SUSPENSION AND LIMITATION OF THE
MAINTENANCE TRAINING ORGANISATION APPROVAL**

**147.B.200 Revocation, suspension and limitation of the Maintenance Training
Organisation approval**

The NMAA shall:

- (a) Suspend an approval on reasonable grounds in the case of potential safety threat; or
- (b) Suspend, revoke or limit an approval pursuant to [EMAR 147.B.130](#).

Appendix I - Basic Training Course Duration and Minimum Practical Training Hours

1. The duration and minimum number of practical training hours to be completed on a basic training course shall be as follows:

Basic Course	Duration (Theory) (See Note 1)	Duration (Practical) (See Note 1)	Minimum Practical Training Hours for maximum reduction in experience requirements (See Note 2)
A1	-	-	520
A2	-	-	420
A3	-	-	520
A4	-	-	520
B1.1	-	-	960
B1.2	-	-	800
B1.3	-	-	960
B1.4	-	-	960
B2	-	-	960
A (Module 50-55 Extensions)	-	-	(See Note 1)
B1 (Module 50-55 Extensions)	-	-	(See Note 1)
B2 (Module 50-55 Extensions)	-	-	(See Note 1)

Notes:

- To be specified by the NMAA (if req'd).
- These are the minimum practical training hours required for an individual to be able to claim reductions in the experience requirements as detailed in EMAR 66.A.30(a)1(iii) and EMAR 66.A.30(a)2(iii).

Appendix II – Maintenance Training Organisation Approval

EMAR Form 11 is contained in the EMAR Forms document.

Appendix III - Examples of Training Certificates

1. Basic Training/Examination

The information contained within the example of a basic training certificate detailed below is to be used for recognition of completion of either the basic training, the basic examination or both the basic training and basic training examinations.

A training certificate shall clearly identify each individual module or sub-module examination by date passed together with the corresponding version of Appendix I to EMAR 66.

CERTIFICATE OF RECOGNITION

EMAR 147 APPROVED BASIC TRAINING COURSE OR BASIC EXAMINATION

This Certificate of Recognition is issued to:

[FULL NAME]

[DATE AND PLACE OF BIRTH]

By:

[MTO NAME AND ADDRESS]

EMAR 147 APPROVAL REFERENCE

a Maintenance Training Organisation approved to provide training and conduct examinations within its approval schedule and in accordance with the requirements of EMAR 147.

This certificate confirms that the above named person either successfully passed the approved basic training course(*) or the basic examination(*) stated below in compliance with the EMAR requirements:

[BASIC TRAINING COURSE(*)] AND/OR [BASIC EXAMINATION(*)]

[LIST OF EMAR 66 MODULES/ SUB MODULES/DATE OF EXAMINATION PASSED]

Certificate Number:

Date:

Signed:

For: [MTO Name]

(*) – delete as appropriate

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2. Military Aircraft Type Training

The information contained within the example of a Military Aircraft Type Training certificate as detailed below is to be used for recognition of completion of either the theoretical elements, the practical elements or both the theoretical and practical elements of the Military Aircraft Type Rating training course.

The appropriate references should be deleted as applicable and the course type box shall detail whether only the theoretical elements or the practical elements were covered or whether theoretical and practical elements were covered.

The training certificate shall clearly identify if the course is a complete course or a partial course (such as an airframe or powerplant or avionic/electrical or military specific systems only) or a difference course based upon the applicant's previous experience (e.g. A400M course for C295M technicians). If the course is not a complete one, the certificate shall identify whether the interface areas have been covered or not.

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CERTIFICATE OF RECOGNITION

EMAR 147 APPROVED MILITARY AIRCRAFT TYPE TRAINING COURSE

This Certificate of Recognition is issued to:

[FULL NAME]

[DATE AND PLACE OF BIRTH]

By:

[MTO NAME AND ADDRESS]

EMAR 147 APPROVAL REFERENCE

a Maintenance Training Organisation approved to provide training and conduct examinations within its approval schedule and in accordance with the requirements of EMAR 147.

This certificate confirms that the above named person either successfully passed the theoretical (*) and/or practical (*) elements of the approved Military Aircraft Type Training course stated below and the related examinations in compliance with the EMAR requirements.

[MILITARY AIRCRAFT TYPE TRAINING COURSE(*)]

[START AND END DATES]

[SPECIFY THEORETICAL ELEMENTS OR PRACTICAL ELEMENTS]

Certificate Number:

Date:

Signed:

For: [MTO Name]

(*) – delete as appropriate

EMAR 147 Ed 1.0 –vs – EMAR 147 Ed 1.1 TABLE OF CHANGES

In accordance with the direction received from the MAWA Forum, all amended paragraphs from EMAR 147 Edition 1.0 are indicated by the use of a 'sidebar' in the margin. This can be readily cross-referenced using this table which details each change.

Nomenclature Used:

Additions to the text introduced in Edition 1.1 are tabulated below in red. Deletions of text from Edition 1.1 are indicated by the use of ►◄. In both cases, the reason for the difference is clarified in the 'notes' column'.

If a paragraph is not included on the table, then no amendments have been made (but see 'note' below).

Note: The following minor changes have been introduced throughout the document. If these are the only changes in a paragraph, then they are not included in this table and sidebars have not been used:

1. 'maintenance training organisation' has been replaced by 'Maintenance Training Organisation' or MTO where appropriate.
2. 'accountable manager' has been replaced by 'Accountable Manager'
3. 'chief executive officer' has been replaced by 'Chief Executive Officer'
4. 'military aircraft maintenance licence' has been replaced by 'Military Aircraft Maintenance Licence' or MAML where appropriate.

EMAR 147 - AIRCRAFT MAINTENANCE TRAINING ORGANISATIONS

Paragraph	Sub-Para	EMAR 147 Ed 1.0 wording	EMAR 147 Ed 1.1 revised wording	Notes
SECTION A			SECTION A	
			TECHNICAL REQUIREMENTS	Amended to reflect wording used in EASA Pt 147.
147.A.05 Scope		This section establishes the requirements to be met by Maintenance Training Organisations (MTO) seeking approval to conduct training and examination as specified in EMAR 66.	This section establishes the requirements to be met by an Organisation seeking approval as a Maintenance Training Organisation (MTO) to conduct training and examination as specified in EMAR 66.	Changed for clarity as to what an MTO is – ie it must be approved.
147.A.100 Facility requirements	(d)	In the case of a basic training course, basic training workshops and/or maintenance facilities separate from training classrooms shall be provided for practical instruction appropriate to the planned training course. If, however, the MTO is unable to provide such facilities, arrangements may be made with another organisation to provide such workshops and/or maintenance facilities, in which case a written agreement shall be made with such organisation specifying the conditions of access and use thereof. The NMAA shall require access to any such contracted organisation and the written agreement shall specify this access.	In the case of a basic training course, basic training workshops and/or maintenance facilities separate from training classrooms shall be provided for practical instruction appropriate to the planned training course. If, however, the MTO is unable to provide such facilities, arrangements may be made with another organisation to provide such workshops and/or maintenance facilities, in which case a written agreement shall be made with such organisation specifying the conditions of access and use thereof. The NMAA shall require access to any such ▶◀ organisation and the written agreement shall specify this access.	'contracted' removed to avoid confusion with (sub)contracting.

EMAR 147 - AIRCRAFT MAINTENANCE TRAINING ORGANISATIONS

Paragraph	Sub-Para	EMAR 147 Ed 1.0 wording	EMAR 147 Ed 1.1 revised wording	Notes
	(e)	In the case of an aircraft type/task training course access shall be provided to appropriate facilities containing examples of aircraft type as specified in <u>EMAR 147.A.115(d)</u> .	(e) In the case of a Military Aircraft Type/Task Training course, access shall be provided to appropriate facilities containing examples of aircraft type as specified in <u>EMAR 147.A.115(d)</u> .	1. 'aircraft type/task training' changed to 'Military Aircraft Type/Task Training' to reflect agreed nomenclature used in EMAR 66. 2. “,” inserted after 'course' for improved readability.
147.A.115 Instructional equipment	(c)	The basic training workshops and/or maintenance facilities as specified in <u>EMAR 147.A.100(d)</u> shall have an appropriate selection of aircraft, engines, aircraft parts, avionic equipment, armaments, escape systems and other relevant systems.	The basic training workshops and/or maintenance facilities as specified in EMAR 147.A.100(d) shall have an appropriate selection of aircraft, engines, aircraft parts, avionic equipment, armaments, escape systems and other relevant military-specific systems.	'military-specific' added for clarity
	(d)	(d) The aircraft type training organisation as specified in <u>EMAR 147.A.100(e)</u> shall have access to the appropriate aircraft type. Synthetic training devices may be used when such synthetic training devices ensure adequate training standards.	(d) The Military Aircraft Type Training organisation as specified in <u>EMAR 147.A.100(e)</u> shall have access to the appropriate aircraft type. Synthetic training devices may be used when such synthetic training devices ensure adequate training standards.	1. 'aircraft type training' replaced by 'Military Aircraft Type Training' to reflect agreed nomenclature used in EMAR 66.
147.A.120 Maintenance training material	(a)1.	The basic knowledge syllabus specified in EMAR 66 for the relevant military aircraft maintenance licence category or subcategory, and,	The basic knowledge syllabus specified in EMAR 66 for the relevant Military Aircraft Maintenance Licence (MAML) category or subcategory and,	1. (MAML) inserted because this is the first use of this acronym in the EMAR. 2. “,” after 'subcategory' deleted for correct use of English

EMAR 147 - AIRCRAFT MAINTENANCE TRAINING ORGANISATIONS

Paragraph	Sub-Para	EMAR 147 Ed 1.0 wording	EMAR 147 Ed 1.1 revised wording	Notes
147.A.125 Records			147.A.125 Records of students	'of students' added to title to reflect the wording of 147.A.110 but without making prejudice to keeping records of the syllabi.
		The MTO shall keep all student training, examination and assessment records for at least five years following completion of the particular student's course.	The MTO shall keep all student training, examination and assessment records for at least twenty years following completion of the particular student's course.	To align with EMAR 66.A.25(d) and Sect B Subpart E, the retention period for all student training, examination and assessment records has been increased to 'at least twenty years' to align with the validity of 10 year training credits, plus the validity of applying for a further 10 year extension when these expire. (Note: EASA Pt 147 M6 increased the retention period to "an unlimited period", however TF3 believe that this is unnecessary.)
147.A.130	(b)1	An independent audit function to monitor training standards, the integrity of knowledge examinations and practical assessments, compliance with and adequacy of the procedures, and	An independent audit function to monitor training standards, the integrity of knowledge examinations and practical assessments, compliance with and adequacy of the procedures; and	',' replaced by ';' for correct nomenclature
147.A.140	(a)7	A list of the maintenance training courses which form the extent of the approval.	A list and details of the maintenance training courses which form the extent of the approval.	"and details" added to align with the Appendix I to the AMC (the MTOE Part 2) which requires more than just a list of courses.
	(c)	Notwithstanding paragraph (b) minor amendments to the exposition may be approved through an exposition procedure (hereinafter called indirect approval).	Notwithstanding paragraph (b) minor amendments to the exposition may be approved through an exposition procedure (also called indirect approval).	'hereinafter' replaced by 'also', because the term 'indirect approval' does not occur again in the EMAR.

EMAR 147 - AIRCRAFT MAINTENANCE TRAINING ORGANISATIONS

Paragraph	Sub-Para	EMAR 147 Ed 1.0 wording	EMAR 147 Ed 1.1 revised wording	Notes
147.A.145 Privileges of the maintenance training organisation	(a)3.	The examinations on behalf of the NMAA, including the examination of students who did not attend the basic or aircraft type training course at the MTO.	The examinations on behalf of the NMAA, including the examination of students who did not attend the basic or Military Aircraft Type Training course at the MTO. (The procedures for examinations are detailed in EMAR 66.B.200.)	1. 'aircraft type training' replaced by 'Military Aircraft Type Training' to reflect agreed nomenclature used in EMAR 66. 2. Text added to provide a 'signpost' to indicate that the writing of examinations should be in accordance with EMAR 66.B.200.
	(a)4	the issue of certificates in accordance with Appendix III following successful completion of the approved basic or aircraft type training courses and examinations specified in subparagraphs (a)(1), (a)(2) and (a)(3), as applicable.	the issue of certificates in accordance with Appendix III following successful completion of the approved basic or Military Aircraft Type Training courses and examinations specified in subparagraphs (a)(1), (a)(2) and (a)(3), as applicable.	1. 'aircraft type training' replaced by 'Military Aircraft Type Training' to reflect agreed nomenclature used in EMAR 66.
	(d)1	The MTO may subcontract the conduct of basic theoretical training, type training and related examinations to a non MTO only when under the control of the MTO quality system.	The MTO may subcontract the conduct of basic theoretical training, Military Aircraft Type Training and related examinations to a non MTO only when under the control of the MTO quality system.	1. 'type training' replaced by 'Military Aircraft Type Training' to reflect agreed nomenclature used in EMAR 66.
	(d)2.	TO BE DEVELOPED	The subcontracting of basic theoretical training and examination is limited to EMAR 66 Appendix I modules 1,2,3,4,5,6,8,9 and 10.	Paragraph inserted into EMAR 147 following the development of EMAR 66.

EMAR 147 - AIRCRAFT MAINTENANCE TRAINING ORGANISATIONS

Paragraph	Sub-Para	EMAR 147 Ed 1.0 wording	EMAR 147 Ed 1.1 revised wording	Notes
	(d)3	The subcontracting of type training and examination is limited to powerplant, avionic systems, armaments, escape systems and other relevant military-specific systems.	The subcontracting of Military Aircraft Type Training and examination is limited to powerplant, avionic systems, armaments, escape systems and other relevant military-specific systems.	1. 'type training' replaced by 'Military Aircraft Type Training' to reflect agreed nomenclature used in EMAR 66.
	(e)	An organisation shall not be approved to conduct examinations unless approved to conduct training.	An organisation shall not be approved to conduct examinations unless approved to conduct the corresponding training.	Text added to align with text introduced by EASA at M6.
	(f)		NOT APPLICABLE.	New paragraph was introduced by EASA at M6. However, in the military environment this text is not relevant (EMAR 66.A.5 states that all military aircraft are considered as complex motor-powered aircraft and are therefore equivalent to Group 1. Consequently EMAR 66.A.45 requires Type Trng for all a/c. This paragraph has been marked 'NOT APPLICABLE' to retain traceability.
		SUBPART C THE APPROVED BASIC TRAINING COURSE	SUBPART C ▶◀ APPROVED BASIC TRAINING COURSE	'THE' removed by EASA at M6.
147.A.200 The approved basic training course	(b)	The knowledge training element shall cover the subject matter for a category A, B1, B2 and B mil or subcategory military aircraft maintenance licence as specified in EMAR 66.	The knowledge training element shall cover all subjects of the relevant MAML category as specified in EMAR 66.	Wording altered for improved clarity.

EMAR 147 - AIRCRAFT MAINTENANCE TRAINING ORGANISATIONS

Paragraph	Sub-Para	EMAR 147 Ed 1.0 wording	EMAR 147 Ed 1.1 revised wording	Notes
	(c)	The knowledge examination element shall cover a representative cross section of subject matter from the paragraph (b) training element.	The knowledge examination element shall cover a representative cross section of all subjects ►◄ from the paragraph (b) training element.	Wording altered for improved readability.
	(f)	The duration of basic training courses shall be in accordance with EMAR 66.	The duration and minimum number of practical training hours to be completed on basic training courses shall be in accordance with Appendix I .	With the development of EMAR 66 it has now been possible to develop Appendix I. However, its content differs from EASA Pt 147 Appendix I, therefore wording has been amended to reflect this difference.
	(g)	The duration of conversion courses between (sub)categories shall be determined through an assessment of the basic training syllabus and the related practical training needs.	The duration of conversion courses between (sub)categories shall be determined by the MTO through an assessment of the basic training syllabus and the related practical training needs.	'by the MTO' added for clarification. Within EMAR 147, durations of courses are not specified – the MTO should be able to determine the duration of the conversion course based on the criteria defined and the input standard of the students. The knowledge of a student is determined by passing the exam, not the duration of a course.
147.A.300 Aircraft type/task training		An MTO shall be approved to carry out EMAR 66 aircraft type and/or task training or part thereof, subject to compliance with the standard specified in EMAR 66.	An MTO shall be approved to carry out EMAR 66 aircraft type and/or task training or part thereof, subject to compliance with the standard specified in EMAR 66. A.45 .	Full reference was not included in original issue of EMAR 147 because EMAR 66 had not been written. Full reference can now be inserted.

EMAR 147 - AIRCRAFT MAINTENANCE TRAINING ORGANISATIONS

Paragraph	Sub-Para	EMAR 147 Ed 1.0 wording	EMAR 147 Ed 1.1 revised wording	Notes
147.A.305 Aircraft type examinations and task assessments		An MTO approved in accordance with EMAR 147.A.300 to conduct aircraft type training or part thereof, shall conduct the related aircraft type examinations or aircraft task assessments specified in EMAR 66 subject to compliance with the aircraft type and/or task standard specified in EMAR 66.	An MTO approved in accordance with EMAR 147.A.300 to conduct Military Aircraft Type Training or part thereof, shall conduct the related aircraft type examinations or aircraft task assessments specified in EMAR 66 subject to compliance with the aircraft type and/or task standard specified in EMAR 66. A.45.	<ol style="list-style-type: none"> 1. 'aircraft type training' replaced by 'Military Aircraft Type Training' to reflect agreed nomenclature used in EMAR 66. 2. Full EMAR 66 reference was not included in original issue of EMAR 147 because EMAR 66 had not been written. The full reference can now be inserted.

EMAR 147 - AIRCRAFT MAINTENANCE TRAINING ORGANISATIONS

SECTION B		PROCEDURE FOR NATIONAL MILITARY AUTHORITIES AIRWORTHINESS	PROCEDURES FOR NATIONAL MILITARY AUTHORITIES AIRWORTHINESS	'S' added by EASA at M6.
147.B.10 Competent Authority			147.B.10 National Military Airworthiness Authority	Title change to reflect correct use of nomenclature.
	(c)2	Have received training/continuation training on EMAR 147 and EMAR 66 where relevant, including its intended meaning and standard.	Have received training/continuation training on EMAR 147 and EMAR 66 where relevant, including their intended meaning and standard.	'its' replaced by 'their' for correct use of English.
147.B.15 Acceptable means of compliance		The MAWA Forum shall ensure the development of Acceptable Means of Compliance that the NMAA could use to establish compliance with this EMAR. When the Acceptable Means of Compliance are complied with, the related requirements of this EMAR shall be considered as met.	DELETED	Paragraph deleted because it is not necessary for the Section B to describe the framework of the EMARs. This is stated in the BFD Appendix I.
147.B.20 Record-keeping	(b)7.	Any other NMAA audit report forms.	Any report from other authorities relating to the oversight of the MTO.	Amended EASA text used to replace the text used in Ed 1.0, since this was felt to be clearer.
147.B.25 Exemptions	(a)1	NOT USED.	NOT APPLICABLE.	'NOT APPLICABLE' is the correct nomenclature in the EMARs.
	(a)2	NOT USED.	NOT APPLICABLE.	'NOT APPLICABLE' is the correct nomenclature in the EMARs.
147.B.100		NOT USED		Paragraph has been removed from EMAR 147 completely. It was removed by EASA at M4, therefore this wording serves no further purpose.
147.B.105		NOT USED		Paragraph has been removed from EMAR 147 completely. It was removed by EASA at M4,

EMAR 147 - AIRCRAFT MAINTENANCE TRAINING ORGANISATIONS

				therefore this wording serves no further purpose.
147.B.115		DELETED		Paragraph has been removed from EMAR 147 completely. It was removed by EASA at M4, therefore this wording serves no further purpose.
147.B.120 Continued validity procedure	(a)	Each MTO shall be audited for compliance with this EMAR at periods not exceeding 24 months.	Each MTO shall be audited for compliance with this EMAR at periods not exceeding 24 months. This shall include the monitoring of at least one training course and one examination performed by the MTO.	Additional text added by EASA at M6.

EMAR 147 - AIRCRAFT MAINTENANCE TRAINING ORGANISATIONS

Paragraph	Sub-Para	EMAR 147 Ed 1.0 wording	EMAR 147 Ed 1.1 revised wording	Notes
Appendix I				<p>With the completion of EMAR 66, it was determined that the information contained within EASA Pt 147 Appendix I was not appropriate for the military environment. This is because it is the module examinations that demonstrate the level of knowledge attained by a student during a course, not the duration of the course. (Indeed, it is quite possible for a student to take a module examination directly, without attending the course). It was therefore agreed that to arbitrarily set the course duration in EMAR 147 was not appropriate; an NMAA should be able to determine the duration of their own national courses dependent upon student entry level etc. However, the total time spent in practical training on the course is important in order to be awarded reductions in the experience requirements as detailed in EMAR 66.A.30(a)1(iii) and EMAR 66.A.30(a)2(iii). The necessary practical training hours have therefore been derived from the content of EASA Pt 147 Appendix I in order to retain alignment between the MAML and the civilian licence.</p>

EMAR 147 - AIRCRAFT MAINTENANCE TRAINING ORGANISATIONS

Appendix I - Basic Training Course Duration

Minimum duration of complete basic courses

1. NOT USED (TO BE DEVELOPED IN EMAR 66)

Appendix I - Basic Training Course Duration and Minimum Practical Training Hours

1. The duration and minimum number of practical training hours to be completed on a basic training course shall be as follows:

Basic Course	Duration (Theory) (See Note 1)	Duration (Practical) (See Note 1)	Minimum Practical Training Hours for maximum reduction in experience requirements (See Note 2)
A1	-	-	520
A2	-	-	420
A3	-	-	520
A4	-	-	520
B1.1	-	-	960
B1.2	-	-	800
B1.3	-	-	960
B1.4	-	-	960
B2	-	-	960
A (Module 50-55 Extensions)	-	-	(See Note 1)
B1 (Module 50-55 Extensions)	-	-	(See Note 1)
B2 (Module 50-55 Extensions)	-	-	(See Note 1)

Notes:

1. To be specified by the NMAA (if req'd).

2. These are the minimum practical training hours required for an individual to be able to claim reductions in the experience requirements as detailed in EMAR 66.A.30(a)1(iii) and EMAR 66.A.30(a)2(iii).

EMAR 147 - AIRCRAFT MAINTENANCE TRAINING ORGANISATIONS

Paragraph	Sub-Para	EMAR 147 Ed 1.0 wording	EMAR 147 Ed 1.1 revised wording	Notes
Appendix II				

EMAR 147 - AIRCRAFT MAINTENANCE TRAINING ORGANISATIONS

Appendix II – Maintenance Training Organisation Approval

Maintenance Training Organisation Approval referred to in EMAR 147 — EMAR Form 11

NMAA MAINTENANCE TRAINING ORGANISATION APPROVAL CERTIFICATE
Reference: Pursuant to national regulation for the time being in force and subject to the conditions specified below, the NMAA hereby certifies: [NAME AND MAINTENANCE TRAINING ORGANISATION ADDRESS] as an EMAR 147 Maintenance Training Organisation approved to provide training and conduct examinations listed in the attached approval schedule and issue related certificates of recognition to students using the above references. CONDITIONS 1. This approval is limited to that specified in the scope of work section of the approved Maintenance Training Organisation Exposition as referred to in the Section A of EMAR 147, and 2. This approval requires compliance with the procedures specified in the EMAR 147 approved Maintenance Training Organisation Exposition, and 3. This approval is valid whilst the approved Maintenance Training Organisation remains in compliance with EMAR 147. 4. Subject to compliance with the forgoing conditions, this approval shall remain valid for an unlimited duration unless the approval has previously been surrendered, superseded, suspended or revoked. Date of original issue: Date of this revision: Revision No: Signed: For the NMAA

EMAR Form 11 (Issue EMAR 147 Edition 0.2)

Appendix II – Maintenance Training Organisation Approval

Maintenance Training Organisation Approval referred to in EMAR 147 — EMAR Form 11

NMAA MAINTENANCE TRAINING AND EXAMINATION ORGANISATION APPROVAL CERTIFICATE
Reference: **EMAR 147.***** Pursuant to national regulation ►◄ and subject to the conditions specified below, the NMAA hereby certifies: [NAME AND MAINTENANCE TRAINING ORGANISATION ADDRESS] as a ►◄ Maintenance Training Organisation in compliance with Section A of EMAR 147 approved to provide training and conduct examinations listed in the attached approval schedule and issue related certificates of recognition to students using the above references. CONDITIONS 1. This approval is limited to that specified in the scope of work section of the approved Maintenance Training Organisation Exposition as referred to in the Section A of EMAR 147, and 2. This approval requires compliance with the procedures specified in the EMAR 147 approved Maintenance Training Organisation Exposition, and 3. This approval is valid whilst the approved Maintenance Training Organisation remains in compliance with EMAR 147. 4. Subject to compliance with the forgoing conditions, this approval shall remain valid for an unlimited duration unless the approval has previously been surrendered, superseded, suspended or revoked. Date of original issue: Date of this revision: Revision No: Signed: For the NMAA

EMAR Form 11 (Issue EMAR 147 Edition 1.1)

EMAR 147 - AIRCRAFT MAINTENANCE TRAINING ORGANISATIONS

MAINTENANCE TRAINING ORGANISATION APPROVAL SCHEDULE			
		Reference:	
Organisation name:		[MAINTENANCE TRAINING ORGANISATION]	
CLASS	CATEGORY	LIMITATION	
BASIC	B1	TB 1.1	AEROPLANES TURBINE
		TB 1.2	AEROPLANES PISTON
		TB 1.3	HELICOPTERS TURBINE
		TB 1.4	HELICOPTERS PISTON
	B2	TB2	AVIONICS
	B MIL	TB MIL	MILITARY SPECIFIC SYSTEMS
	A	TA 1	AEROPLANES TURBINE
		TA 2	AEROPLANES PISTON
		TA 3	HELICOPTERS TURBINE
		TA 4	HELICOPTERS PISTON
TYPE/TASK	C	T4	[Quote aircraft type]
	B1	T1	[Quote aircraft type]
	B2	T2	[Quote aircraft type]
	B MIL	T MIL	[Quote aircraft type]
	A	T3	[Quote aircraft type]

MAINTENANCE TRAINING AND EXAMINATION ORGANISATION APPROVAL SCHEDULE				
		Reference: **EMAR 147.*****		
Organisation name:		[MAINTENANCE TRAINING ORGANISATION]		
CLASS	MAML CATEGORY	LIMITATION		
BASIC <small>(note 2)</small>	B1 <small>(note 2)</small>	TB 1.1 <small>(note 2)</small>	AEROPLANES TURBINE <small>(note 2)</small>	
		TB 1.2 <small>(note 2)</small>	AEROPLANES PISTON <small>(note 2)</small>	
		TB 1.3 <small>(note 2)</small>	HELICOPTERS TURBINE <small>(note 2)</small>	
		TB 1.4 <small>(note 2)</small>	HELICOPTERS PISTON <small>(note 2)</small>	
		TB1 MIL <small>(note 2)</small>	MODULES 50-55 (OR SUB-MODULES) <small>(note 1)(note 2)</small>	
		TB2 <small>(note 2)</small>	AVIONICS <small>(note 2)</small>	
	B2 <small>(note 2)</small>	TB2 MIL <small>(note 2)</small>	MODULES 50-55 (OR SUB-MODULES) <small>(note 1)(note 2)</small>	
		A <small>(note 2)</small>	TA 1 <small>(note 2)</small>	AEROPLANES TURBINE <small>(note 2)</small>
	TA 2 <small>(note 2)</small>		AEROPLANES PISTON <small>(note 2)</small>	
	TA 3 <small>(note 2)</small>		HELICOPTERS TURBINE <small>(note 2)</small>	
	TA 4 <small>(note 2)</small>		HELICOPTERS PISTON <small>(note 2)</small>	
	TYPE/TASK <small>(note 2)</small>	A <small>(note 2)</small>	TA MIL <small>(note 2)</small>	MODULES 50-55 (OR SUB-MODULES) <small>(note 1)(note 2)</small>
			C <small>(note 2)</small>	T4 <small>(note 2)</small>
	B1 <small>(note 2)</small>	T1 <small>(note 2)</small>		[Quote aircraft type] <small>(note 3)</small>
B2 <small>(note 2)</small>	T2 <small>(note 2)</small>	[Quote aircraft type] <small>(note 3)</small>		
A <small>(note 2)</small>	T3 <small>(note 2)</small>	[Quote aircraft type] <small>(note 3)</small>		

EMAR Form 11 (www.emar147.edition 1.1)

EMAR 147 - AIRCRAFT MAINTENANCE TRAINING ORGANISATIONS

This approval schedule is limited to the training and examinations specified in the scope of work of the approved Maintenance Training Organisation Exposition as referred to in section A of EMAR 147.

MTOE Reference:

Date of issue:

Date of last revision approved: Revision No:

Signed:

For the NMAA:

EMAR Form 11 (Issue EMAR 147 Edition 0.2)

This approval schedule is limited to the training and examinations specified in the scope of work of the approved Maintenance Training Organisation Exposition as referred to in section A of EMAR 147.

MTOE Reference:

Date of **original** issue:

Date of last revision approved: Revision No:

Signed:

For the NMAA:

EMAR Form 11 (Issue EMAR 147 Edition 1.1)

Note 1: Military-specific systems modules/sub-modules that are within the scope of the approval shall be listed.

Note 2: Delete as appropriate if the organisation is not approved

Note 3: Complete with the appropriate rating and limitation

Each Maintenance Training and Examination Organisation Approval Schedule shall have a unique Reference starting with the two-letter ISO 3166 country code, followed by EMAR 147, followed by an alpha-numeric designator.

EMAR 147 - AIRCRAFT MAINTENANCE TRAINING ORGANISATIONS

Paragraph	Sub-Para	EMAR 147 Ed 1.0 wording	EMAR 147 Ed 1.1 revised wording	Notes
Appendix III	1.		<p>Basic Training/Examination</p> <p>The information contained within the example of a basic training certificate detailed below is to be used for recognition of completion of either the basic training, the basic examination or both the basic training and basic training examinations.</p> <p>A training certificate shall clearly identify each individual module or sub-module examination by date passed together with the corresponding version of Appendix I to EMAR 66.</p>	<p>The inserted text was included in EASA's M6 amendment. TF3 have made minor alterations for use in EMAR 147.</p> <p>At M6 EASA introduced EASA Forms 148 and 149 as the training certificates. It was agreed that for military use it is desirable to keep these as 'examples', thereby allowing pMS to determine the look and feel of the training certificates they issue to their military personnel. However, all information contained on the new EASA Forms is required to be on these certificates.</p>
	2.	<p>The EMAR 147 training certificate as detailed below may be used for recognition of completion of either the theoretical element or the practical element or both the theoretical and practical elements.</p> <p>The appropriate references should be deleted as applicable and the course type box should detail whether only the theoretical elements were covered or whether theoretical and practical elements were covered.</p>	<p>The information contained within the example of a Military Aircraft Type Training certificate as detailed below is to be used for recognition of completion of either the theoretical elements, the practical elements or both the theoretical and practical elements of the Military Aircraft Type Rating training course.</p> <p>The appropriate references should be deleted as applicable and the course type box shall detail whether only the theoretical elements or the practical elements were covered or whether theoretical and practical elements were</p>	<p>Inserted text was introduced by EASA at M6. It has been modified where necessary for use in EMAR 147.</p>

EMAR 147 - AIRCRAFT MAINTENANCE TRAINING ORGANISATIONS

Paragraph	Sub-Para	EMAR 147 Ed 1.0 wording	EMAR 147 Ed 1.1 revised wording	Notes
		<p>The training certificate shall clearly identify if the course is a complete course or a reduced course based upon the applicant previous experience (e.g. A400M course for C295M technicians)</p>	<p>covered.</p> <p>The training certificate shall clearly identify if the course is a complete course or a partial course (such as an airframe or powerplant or avionic/electrical or military specific systems only) or a difference course based upon the applicant's previous experience (e.g. A400M course for C295M technicians). If the course is not a complete one, the certificate shall identify whether the interface areas have been covered or not.</p>	

EMAR 147 - AIRCRAFT MAINTENANCE TRAINING ORGANISATIONS

Appendix III - Examples of Training Certificates

CERTIFICATE OF RECOGNITION EMAR 147 APPROVED BASIC TRAINING COURSE OR BASIC EXAMINATION

This Certificate of Recognition is issued to

NAME

DATE, PLACE OF BIRTH

By [MTO Name] (may be pre-printed)

.....
an organisation approved to the requirements of EMAR 147 by

(may be pre-printed)

approval reference

This certificate confirms that the above named person either successfully passed the approved basic training course or the basic examination stated below

SPECIFY BASIC TRAINING COURSE or BASIC EXAMINATION AND DATE COMPLETED or PASSED

Signed: Certificate N°:

For (may be pre-printed): Date:

Appendix III - Examples of Training Certificates

1. Basic Training/Examination

The information contained within the example of a basic training certificate detailed below is to be used for recognition of completion of either the basic training, the basic examination or both the basic training and basic training examinations.

A training certificate shall clearly identify each individual module or sub-module examination by date passed together with the corresponding version of Appendix I to EMAR 66.

CERTIFICATE OF RECOGNITION EMAR 147 APPROVED BASIC TRAINING COURSE OR BASIC EXAMINATION

This Certificate of Recognition is issued to:

[FULL NAME]

[DATE AND PLACE OF BIRTH]

By:

[MTO NAME AND ADDRESS]

EMAR 147 APPROVAL REFERENCE

a Maintenance Training Organisation approved to provide training and conduct examinations within its approval schedule and in accordance with the requirements of EMAR 147.

This certificate confirms that the above named person either successfully passed the approved basic training course(*) or the basic examination(*) stated below in compliance with the EMAR requirements:

[BASIC TRAINING COURSE(*)] AND/OR [BASIC EXAMINATION(*)]

[LIST OF EMAR 66 MODULES/ SUB MODULES/DATE OF EXAMINATION PASSED]

Certificate Number:

Date:

Signed:

For: [MTO Name]

(*) – delete as appropriate

EMAR 147 - AIRCRAFT MAINTENANCE TRAINING ORGANISATIONS

CERTIFICATE OF RECOGNITION

EMAR 147 APPROVED AIRCRAFT TYPE MAINTENANCE TRAINING COURSE OR AIRCRAFT TYPE EXAMINATION

This Certificate of Recognition covers the theoretical/practical elements of the type training course (delete as appropriate) and is issued to:

NAME

Date, place of birth

By [MTO Name] (may be pre-printed)

an organisation approved to the requirements of EMAR 147 by

(may be pre-printed)

approval reference

This certificate confirms that the above named person either successfully passed the approved aircraft type maintenance training course or aircraft type examination stated below

SPECIFY AIRCRAFT TYPE COURSE or AIRCRAFT TYPE EXAMINATION AND DATE COMPLETED or PASSED
SPECIFY WHETHER TRAINING COVERED EMAR 147 THEORETICAL ELEMENTS ONLY or THEORETICAL AND PRACTICAL ELEMENTS

Signed: Certificate N°:

For (may be pre-printed): Date:

CERTIFICATE OF RECOGNITION

EMAR 147 APPROVED ~~▶ ◀~~ MILITARY AIRCRAFT TYPE TRAINING COURSE

This Certificate of Recognition ~~▶ ◀~~ is issued to:

[FULL NAME]

[DATE AND PLACE OF BIRTH]

By:

[MTO NAME AND ADDRESS]

EMAR 147 APPROVAL REFERENCE

a Maintenance Training Organisation approved to provide training and conduct examinations within its approval schedule and in accordance with the requirements of EMAR 147.

This certificate confirms that the above named person either successfully passed the theoretical (*) and/or practical (*) elements of the approved Military Aircraft Type Training course stated below and the related examinations in compliance with the EMAR requirements.

[MILITARY AIRCRAFT TYPE TRAINING COURSE(*)]

[START AND END DATES]

[SPECIFY THEORETICAL ELEMENTS OR PRACTICAL ELEMENTS]

Certificate Number:

Date:

Signed:

For: [MTO Name]

(*) – delete as appropriate |