



OFFICIAL

 Australian Government
Department of Defence
Defence Aviation Safety Authority


DEFENCE AVIATION SAFETY REGULATION
DASR 66
Introduction to DASR 66
Kent Chapman / Jock Larkin



**Defence Aviation
Safety Authority**

OFFICIAL

OFFICIAL


 Australian Government
Department of Defence
Defence Aviation Safety Authority

Course Objective

- To provide students with detailed knowledge of maintenance licensing concepts and an overview of the DASR 66 regulations and their implementation

Learning Outcomes:


1. Describe the need for DASR 66 Licensing
2. Describe the elements of a Military Aircraft Maintenance Licence
3. Describe correct utilisation and management of a MAML
4. Describe the relationship between technical trade training and the DASR 66 syllabus
5. Describe licence exclusions/inclusions

Defending Australia and its National Interests
www.defence.gov.au 


OFFICIAL

2

OFFICIAL

 Australian Government
Department of Defence
Defence Aviation Safety Authority

DASR 66 Overview


- **EASA** Regulations are arguably the most globally adopted regulation set in the civil aviation airworthiness environment.
- European Military Airworthiness Requirements (**EMAR**) are based on EASA Regs with added requirements to include Military Specific systems.
- EASA 66 was “**adapted**” by CASA for CASR Part 66. Part 66 requirements are enacted through legislation in the CASA Part 66 Manual Of Standards (MOS).
 - changed licensing requirements, for example the time requirement to attain a B category licence
- EMAR 66 was “**adopted**” for DASR 66
- **DASR 66** can be met through various paths:
 - Alignment with CASA requirements, **and / or**
 - Service specific training assessed and accepted as equivalent
- **DASR 66:** ‘**black**’ text = EMAR ‘**green**’ text = Australian contextualised 

OFFICIAL 3

OFFICIAL

DASR 66 Contents

<u>Regulations</u>	<u>Appendices</u>
66.A.1 Scope	Appendix I - Basic Knowledge Requirements
66.A.3 MAML categories	Appendix II - Basic Examination Standard
66.A.5 Aircraft groups	
66.A.10 Application	Appendix III - Military Aircraft Type Training and Examination Standard, and On-the-Job Training (OJT)
66.A.15 Eligibility	Appendix IV Experience requirements for an addition to an EMAR 66 Military Aircraft Maintenance Licence
66.A.20 Privileges	Appendix V - Application Form – DASR Form 19
66.A.25 Basic knowledge requirements	
66.A.30 Basic experience requirements	Appendix VI - Military Aircraft Maintenance Licence (MAML) – DASR Form 26
66.A.40 Continued validity of the Military Aircraft Maintenance Licence	
66.A.45 Military Aircraft Type Ratings	
66.A.50 Limitations (Exclusions)	
66.A.52 Extensions (Inclusions)	
66.A.55 Evidence of qualification	
66.A.70 Conversion provision	

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

OFFICIAL



So Why Licences?

OFFICIAL 5

Detailed description: This slide features a photograph of a man with glasses working on a large, complex aircraft engine in a workshop. The text 'So Why Licences?' is overlaid in white on the image. The slide includes the Australian Government logo and 'OFFICIAL' branding at the top and bottom.

Australian Government
Department of Defence
Defence Aviation Safety Authority

OFFICIAL

Requirement for licences

145.A.30 (g) Personnel requirements:
Any organisation maintaining aircraft shall in the case of aircraft line maintenance, have appropriate aircraft type rated certifying staff, qualified as **category B1, B2** or national equivalent qualification in accordance with DASR 66

Defending Australia and its National Interests
www.defence.gov.au

OFFICIAL 6

Detailed description: This slide contains text regarding licensing requirements. It features the Australian Government logo and 'OFFICIAL' branding at the top. The text is centered on the page. At the bottom right, there is a small logo for 'Defending Australia and its National Interests' with the website 'www.defence.gov.au'.

OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

DASR 66

What is a MAML?



Military Aircraft Maintenance Licence


20/09/2023 OFFICIAL 7

OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

DASR 66 MAML

- A MAML is the authority issued by DASA, providing the scope of privileges for an individual to **issue Certificates of Release to Service (CRS)** following Aircraft Maintenance
- The MAML is based on an individuals' qualifications, training and experience (QTE)
 - Qualifications are based on Aeroskills Units of Competency (UoC) benchmarked against a recognised global syllabus
- **DASR 66 MAML is the adoption of a globally recognised licensing standard for technical personnel**

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL 8


OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority


Licence categories

Military Aircraft Maintenance Licence (MAML) categories:

- Category A Line maintenance, minor scheduled, simple defects
- Category B1 Powerplant, Structures, Mechanical Sys, & Electrical Sys
- Category B2 Avionic and Electrical Systems
- Category C Base maintenance co-ordinator



Defending Australia and its National Interests
www.defence.gov.au



OFFICIAL

9

OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

Licence Sub-categories

Categories A and B1 are subdivided into sub-categories relating to combinations of aeroplanes, helicopters, turbine and piston engines:

- **A1 and B1.1 Aeroplanes Turbine**
- ~~• A2 and B1.2 Aeroplanes Piston~~
- **A3 and B1.3 Helicopters Turbine**
- ~~• A4 and B1.4 Helicopters Piston~~

DASR 66 CATEGORIES				
Validity	A	B1	B2	C
Aeroplanes Turbine	✓	✓		
Aeroplanes Piston				
Helicopters Turbine	✓	✓		
Helicopters Piston				
Avionics			✗	
Base Maintenance				✓

OFFICIAL

10

OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority


MAML Limitations/Extensions (Exclusions/Inclusions)

Exclusions

- Limitations introduced on a MAML are exclusions from the certification privileges.
- Limitations are a result of gaps in training.

Inclusions

- Extensions introduced on a MAML may allow additional certification privileges.
- Extensions are a result of additional training

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL



11


OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

Military Aircraft Type Rating

- In order to be entitled to exercise certification privileges on a specific aircraft type, their MAML must be **endorsed** with the relevant **Military Aircraft Type Ratings (MATR)**.
- Only B1, B2 and C licences require MATR endorsements.
 - *A licences do not require MATR endorsement*

MILITARY AIRCRAFT TYPE RATINGS		
Defence Aircraft Type Rating	Category	Stamp and Date
Orion AP3C	Fixed B1.1 C	29/07/2005 
Chinook CH47F	Rotary B1.3 C	04/09/2018 

Defending Australia and its National Interests
www.defence.gov.au 

12

OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

Licence eligibility criteria

A / B1 / B2 / C Licence:



Eligible for a licence at 18 years old, **but** cannot exercise licence privileges until 21.

Defending Australia and its National Interests
www.defence.gov.au

OFFICIAL

13

OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

DASR 66 MAML Fundamental Elements

There are 3 elements comprising a licence.

1. **Basic Knowledge**
 - Initial Aviation Technical Training with required theory & practical
 - Delivered by an approved DASR / CASR 147
 - ADF – RAAFSTT (BAE ATT – Air Domain 147)
 - DI – RTO with CASR 147 MTO Part 1 approval
2. **Basic Experience**
 - Time based
 - On-aircraft practical maintenance experience
3. **Military Aircraft Type Training**
 - Approved 147 MTO type courses
 - Platform, category and system specific – theory and practical

Defending Australia and its National Interests
www.defence.gov.au

OFFICIAL

14

OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority


66.A.25 Basic knowledge requirements

Knowledge requirements.

MAML applicants demonstrate by examination a level of knowledge in appropriate subject modules IAW Appendix I.

DASR 66 MAML is based on:

- **For A category**
 - Certificate II in Aircraft Line Maintenance (ALM) (CASA pathway)
 - Cert II ALM equivalent from Cert IV in Aeroskills – Mechanical, Avionics, Structures, Life Support, Armament (ADF pathway)

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL

15

OFFICIAL


Australian Government
Department of Defence
Defence Aviation Safety Authority

66.A.25 Basic knowledge requirements

- **For B category**
 - Diploma in Aeroskills (CASA pathway)
 - Certificate IV in Aeroskills – Mechanical, Avionics, Armament PLUS additional UoCs (DASA pathway)
- **For C category**
 - B category knowledge attainment

Academic Pathway:


 - Engineering degree in Mechanical, Mechatronics, Aerospace, Aeronautical, Electronics, Software or Electrical
 - Military TQ – degree **plus** service engineering officer initial employment training

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL

16

OFFICIAL

 Australian Government
Department of Defence
Defence Aviation Safety Authority

66.A.30 Basic experience requirements

Experience requirements:

- For Category A1 / A3:
 - 3 years practical experience if relevant trade training not completed, **or**
 - 2 years practical experience if relevant trade training has been completed, **or**
 - **6 months of practical experience on operating military aircraft if required basic training has been completed ***


* **Plus:** DASR Syllabus Module 10 (Aviation Legislation) satisfied by completion of approved Module 10 training

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL

17


OFFICIAL

 Australian Government
Department of Defence
Defence Aviation Safety Authority

66.A.30 Basic experience requirements (cont)

Experience requirements:


- for Categories B1.1, B1.3 and B2 licences:
 - 5 years relevant practical experience if relevant trade training not completed, **or**
 - 3 years practical experience if relevant trade training has been completed, **or**
 - 3 years of practical maintenance experience on operating military aircraft and completion of a basic training course that does not provide the recommended minimum practical training, **or**
 - **2 years of practical maintenance experience on operating military aircraft and completion of a basic training course providing the minimum practical training**

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL

18

OFFICIAL


 Australian Government
Department of Defence
Defence Aviation Safety Authority

66.A.30 Basic experience requirements (cont)

Experience requirements:

- for Category C licence:
 - 3 years **exercising** privileges of Category B1.1, B1.3 or B2 licence and/or in a Support Staff role
- Tertiary Qualified Engineers:
 - Eligible for C licence
 - 1 year experience in a military environment directly associated with aircraft maintenance combined with
 - 6 months observation of Base maintenance
 - Completion of Type Course (minimum Level 1)


Note: First Type Course for C category is to be B cat level. **(App III 1.a.iii)**

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL

19


OFFICIAL

 Australian Government
Department of Defence
Defence Aviation Safety Authority

66.A.45 Military Aircraft Type Ratings

Type Training requirements:

- Licences must be endorsed with the relevant MATR after completing Type Training at a DASR 147 Maintenance Training Organisation (MTO) **or approved Part 147 MTO**
- Type training is to be IAW **DASR 66 Appendix III**
 - training subjects use S1000D
- CASA ratings are accepted for common State/Civil types
- First type rating requires OJT at AMO
- Subsequent type ratings do not require OJT

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL

20


OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

66.A.45 Military Aircraft Type Ratings (cont)

- **Type training** is required to contain both theory and practical elements.
 - **Level 1**
 - **Brief** overview of the airframe, systems, and powerplant as outlined in the Systems description section of aircraft AMM / ICA
 - **Level 2**
 - **Basic** system overview of control, indicators, principal components, including location, purpose, servicing and minor troubleshooting. General knowledge of theoretical and practical aspects.
 - **Level 3**
 - **Detailed** description, operation, component location, removal/installation and BITE, and troubleshooting procedures to maintenance manual level.

Note: Familiarisation, Safety and Handling courses are considered Level 0 and are not accepted for type rating outcomes.


Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL 21

OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

5 mins

Defending Australia and its National Interests
www.defence.gov.au 


OFFICIAL

OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

MAML Privileges

Task Sign Off, and Issuing a CRS

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL

23

OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority


Task Sign Off and Issuing a CRS

Task Sign Off:

- States that the maintenance task has been completed to the standard required by the maintenance data,
- Signed by personnel authorised to conduct task sign off by the maintenance organisation, who,
- Physically conducted, or witnessed the maintenance.

Note: cross-trade/grey-trade tasking can be accommodated

DOES NOT require the person who signed off the task to have a licence

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL

24


OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

Task Sign Off and Issuing a CRS

Issuing the CRS:

- Verifies that all maintenance ordered by the CAMO has been properly carried out
- there are no outstanding tasks/defects in this work package which are known to endanger flight safety
- **can ONLY be issued by an authorised licence holder**
 - A category – Line maint within scope of MOE.
 - B category – Line maint
 - C category – Base maint

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL

25

OFFICIAL


Australian Government
Department of Defence
Defence Aviation Safety Authority

66.A.20 Privileges – A licence

- An A category licence permits the holder to issue certificates of release to service following minor line maintenance and simple defect rectification and in accordance with the authorisations issued by the DASR 145 Maintenance Organisation.

Note: Can only issue the CRS when the licence holder has personally performed the maintenance.

Note: AMC to 145.A.10 lists example minor line maintenance

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL

26

OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority


B1 Licence

66.A.20 Privileges – B1 licence

- Category B1 MAML permit the holder:
 - to issue certificates of release to service in **Line Maint** and to act as support staff in **Base Maint** for:
 - maintenance performed on aircraft structure, powerplant, mechanical systems and electrical systems
 - work on avionic systems requiring only simple tests to prove their serviceability and not requiring troubleshooting

CRS can only be issued in accordance with the **DASR 145** authorisations

Note: B1 Licence includes the corresponding A licence privileges

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL

27

OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

B2 Licence


66.A.20 Privileges – B2 licence

- Category B2 licence permits the holder:
 - to certify maintenance (where required by AMD)
 - to issue certificates of release to service in **Line Maint** and to act as support staff in **Base Maint** for:
 - maintenance performed on avionic and electrical systems
 - electrical and avionics tasks within powerplant and mechanical systems

CRS can only be issued in accordance with the **DASR 145** authorisations

Note: B2 Licence for **ADF/ex-ADF** personnel will:

- include the corresponding A licence privileges
- have a licence inclusion for oxygen systems maintenance

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL


28

OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

66.A.20 Privileges – C licence

Category C licence permits the holder to issue CRS for an aircraft following base maintenance “On” Aircraft.



Defending Australia and its National Interests
www.defence.gov.au

OFFICIAL 29

OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

B1/B2 Support Staff

B1 and B2 support staff are individuals who hold a relevant category MAML.

However, when acting as support staff, these individuals can confirm / conduct / supervise the maintenance, and verify the maintenance, **but do not sign the aircraft CRS.**

“They are supporting the C licence holder”

Defending Australia and its National Interests
www.defence.gov.au


OFFICIAL 30


OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

Specialised Services Staff - DASR 145.A.50(a)

- Aircraft Structural Repair
- Aircraft Surface Finishing
- Aircraft Life Support
- NDI
- Welding
- Heat Treatment
- Machining







Defending Australia and its National Interests
www.defence.gov.au

OFFICIAL

31

OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

Structural Technician Interim Military Maintenance Authority

- ADF MAML coverage gap
 - ATECH (B1) exclusion for minor structural repairs
 - ASTTECH not issued MAML
- Interim Military Maintenance Authority (iMMA) issued to ASTTECHs to allow issue of CRS for on-aircraft structural repairs
- iMMA should be managed in the same way as a B1 MAML
 - Require maintenance organisation **authorisation**
- Alternate means of compliance will expire 1 Dec 2023
- *DASR 145 MOs should prioritise iMMA applications based on actual operational need, to allow all DASR 145 MOs fair and equal access to obtain timely iMMA authorisations from DASA.*

Defending Australia and its National Interests
www.defence.gov.au


OFFICIAL

32

OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

Structural Technician Interim Military Maintenance Authority

- Basic Knowledge Requirements:
 - Eligible for an A MAML (including Mod 10 completion)
 - Hold a Certificate IV in Aeroskills (Structures)
 - Demonstrate Fixed Wing (Pressurised Aircraft), or Rotary Wing (Unpressurised Aircraft) competencies
 - ADF Trade Supervisor Course or equivalent – If iMMA holder will be required to supervise others.
 - Specialised Materials and Processes training - Composites/Non-metallic (optional).
- Practical Maintenance Experience:
 - 2 years of relevant practical maintenance experience on civil/military aircraft.
- Refer to AC 001/2021 for more details, and for applications: Australia and its National Interests
www.defence.gov.au 

OFFICIAL


33

OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

Air Force ARMTECHs

- Trade that falls between the defined B1 / B2 structure
- DASA decided to align with B1 category and manage the training gaps via multiple exclusions
- ARMTECHs with ATECH / AVTECH backgrounds will be entitled to relevant B1 / B2 categories on their licence as they have attained the Basic Knowledge.
- Utilisation of mixed background ARMTECHs is dependant upon DASR 145 QMS and the individuals knowledge, type training and experience.

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL


34

OFFICIAL


Australian Government
Department of Defence
Defence Aviation Safety Authority

Components CRS (Off Aircraft)

DASR 145 A 50(d) **M.A.802**



- Certificate of release to service for **Components – DASR Form 1** (or approved alternative) shall be issued at the completion of any maintenance on a component whilst **off Aircraft**
- All components must have a valid “FORM 1” before fitment to an aircraft.
- DASR 145 MO holds approval for component maintenance under their 145 scope
- Therefore, licences **are not** required to certify components off aircraft, but 145 authorisation is.

Defending Australia and its National Interests
www.defence.gov.au 


OFFICIAL

35

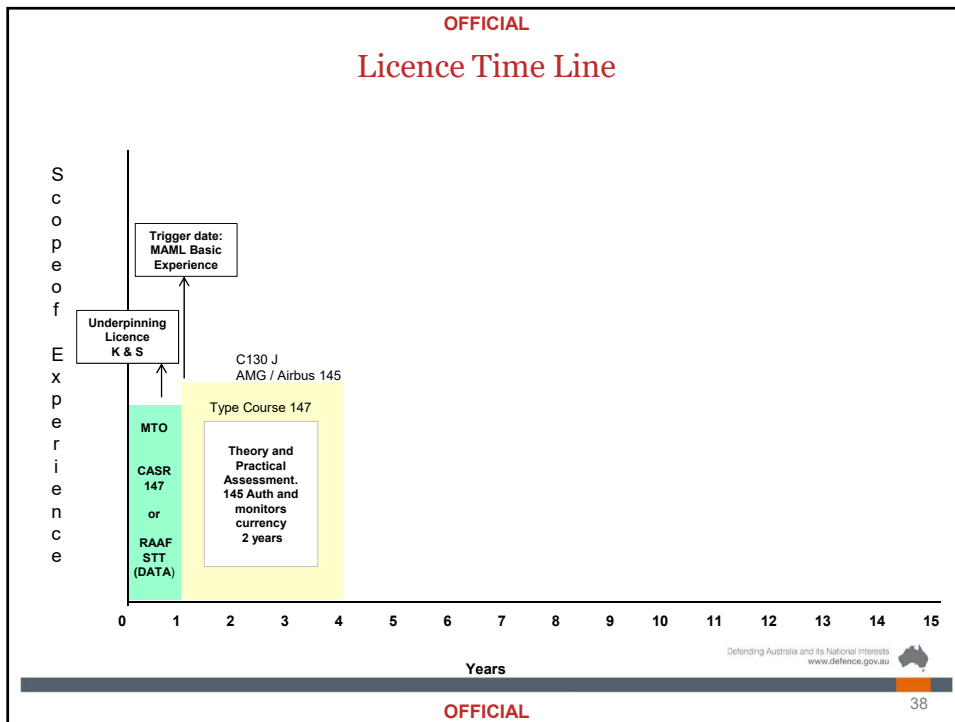
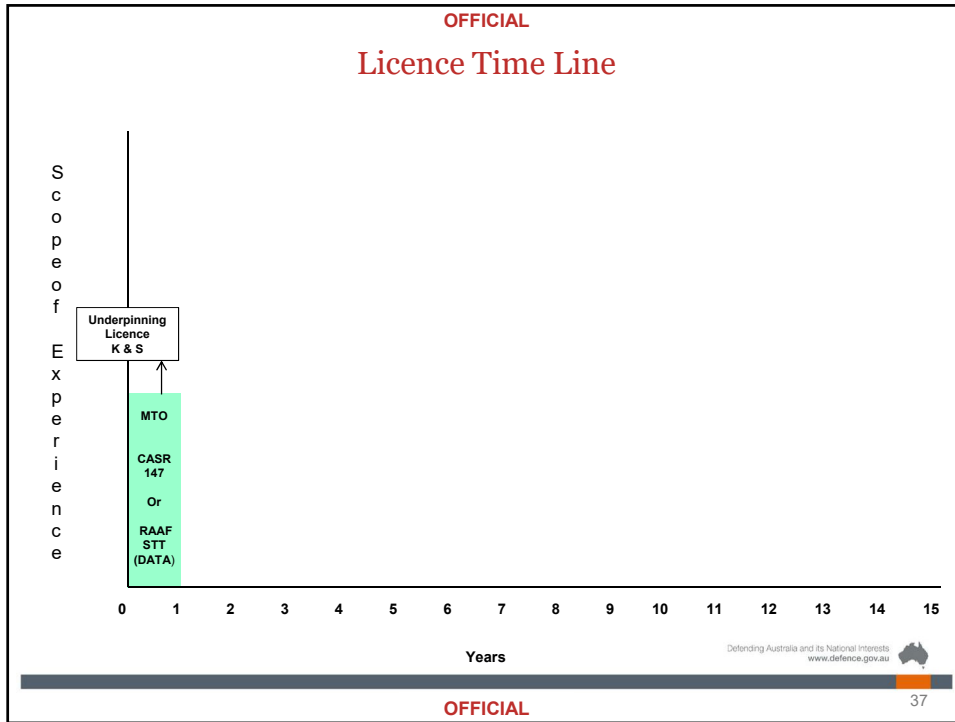
OFFICIAL

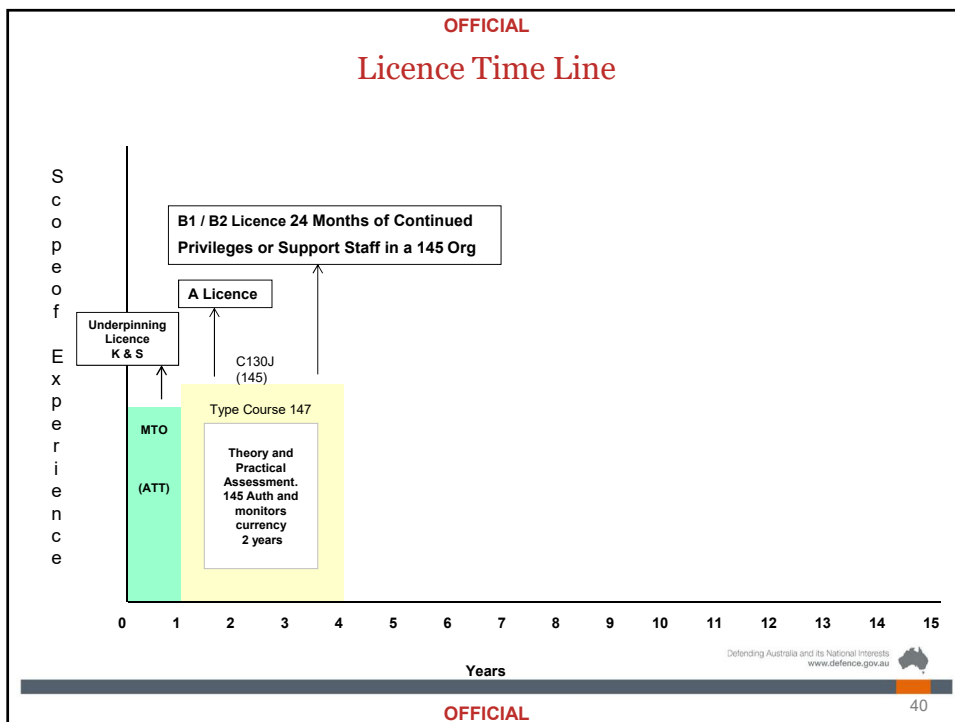
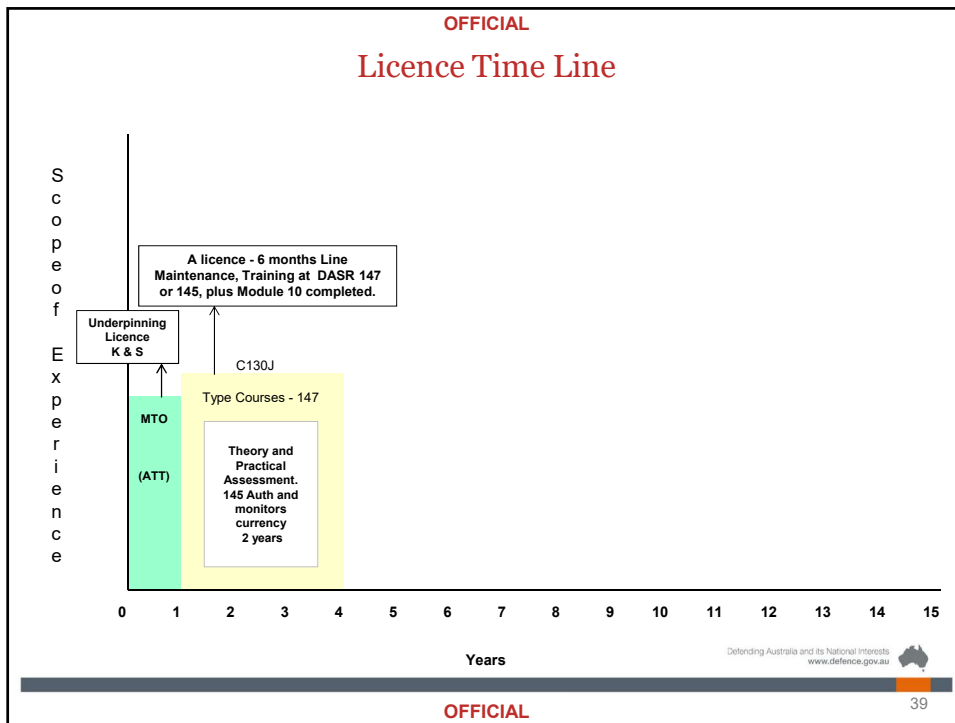
Australian Government
Department of Defence
Defence Aviation Safety Authority

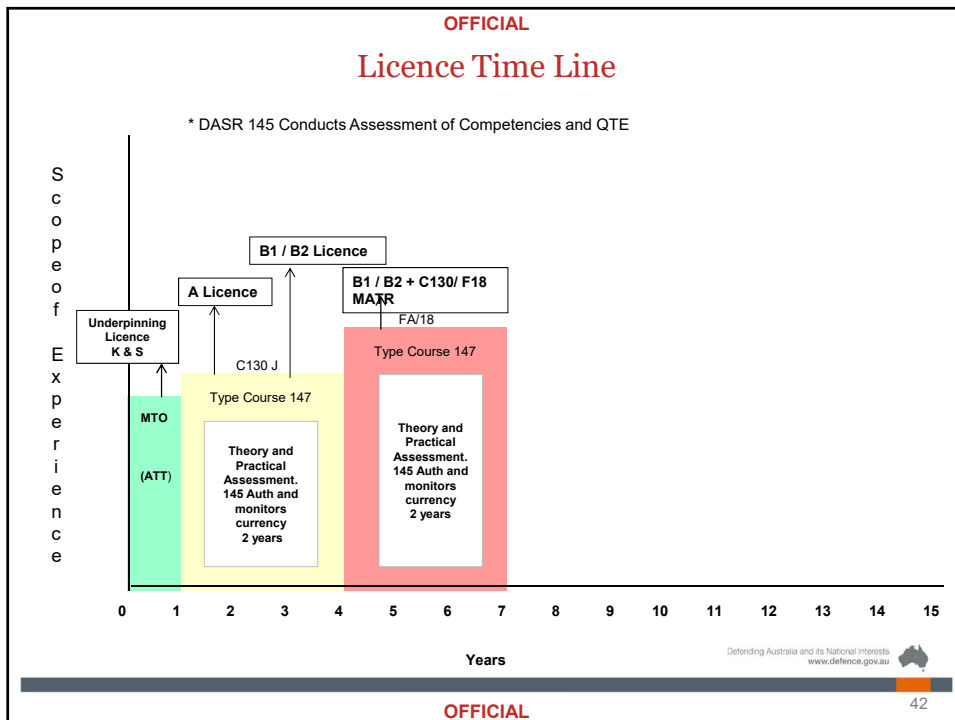
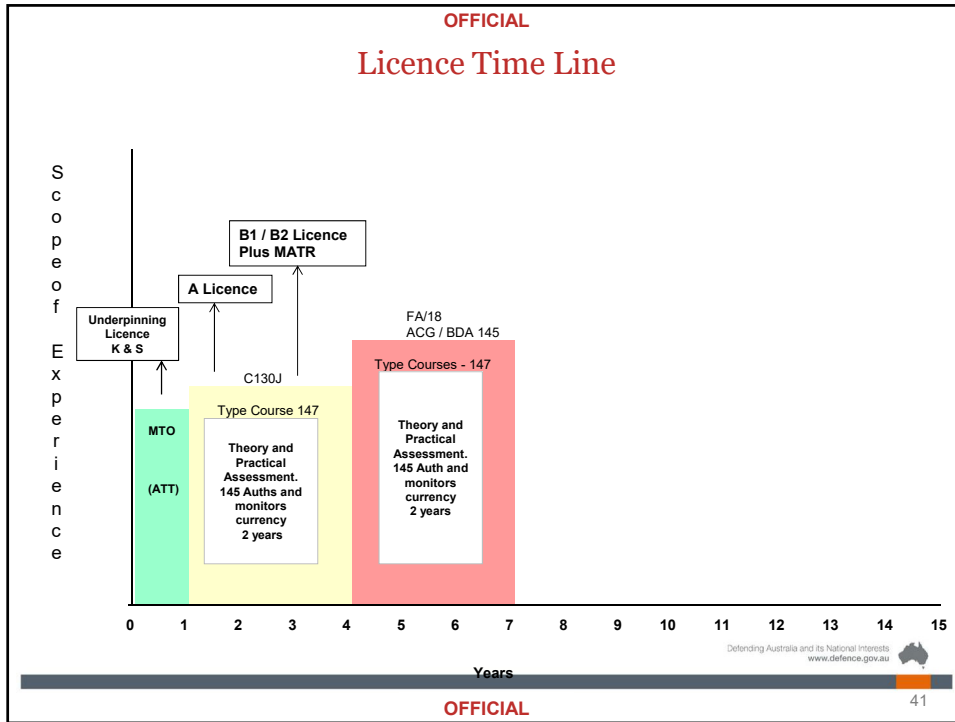
Time for a break.

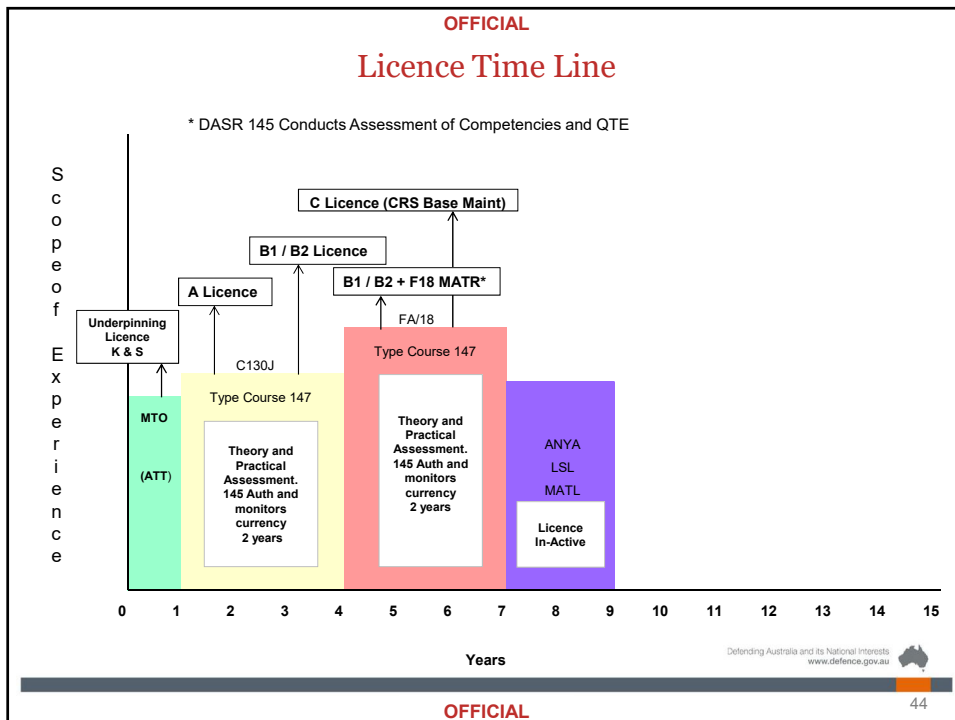
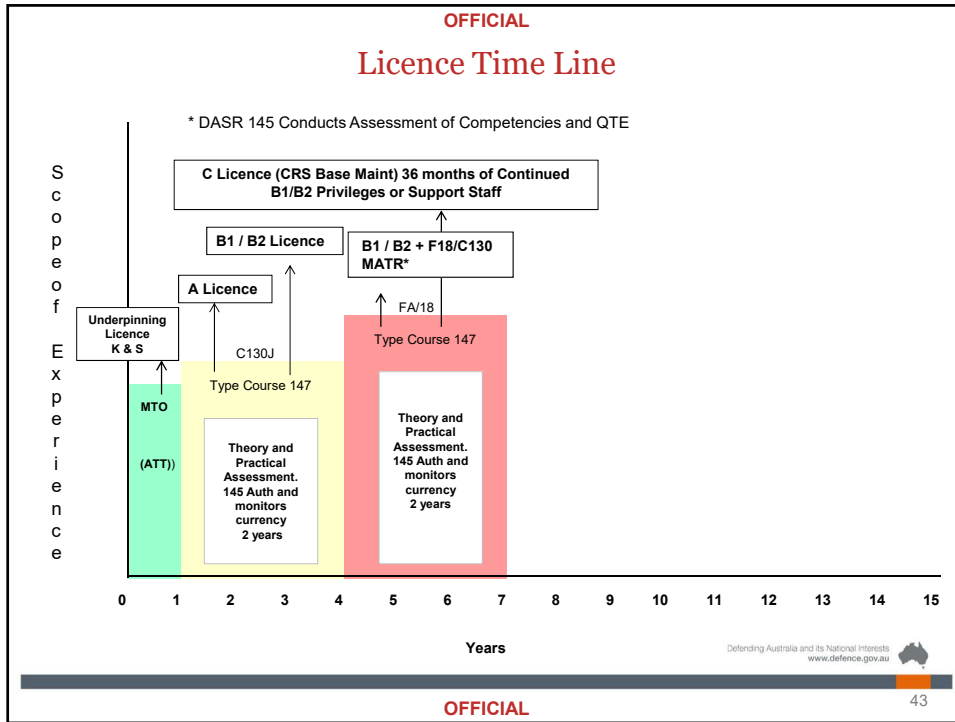
Defending Australia and its National Interests
www.defence.gov.au 

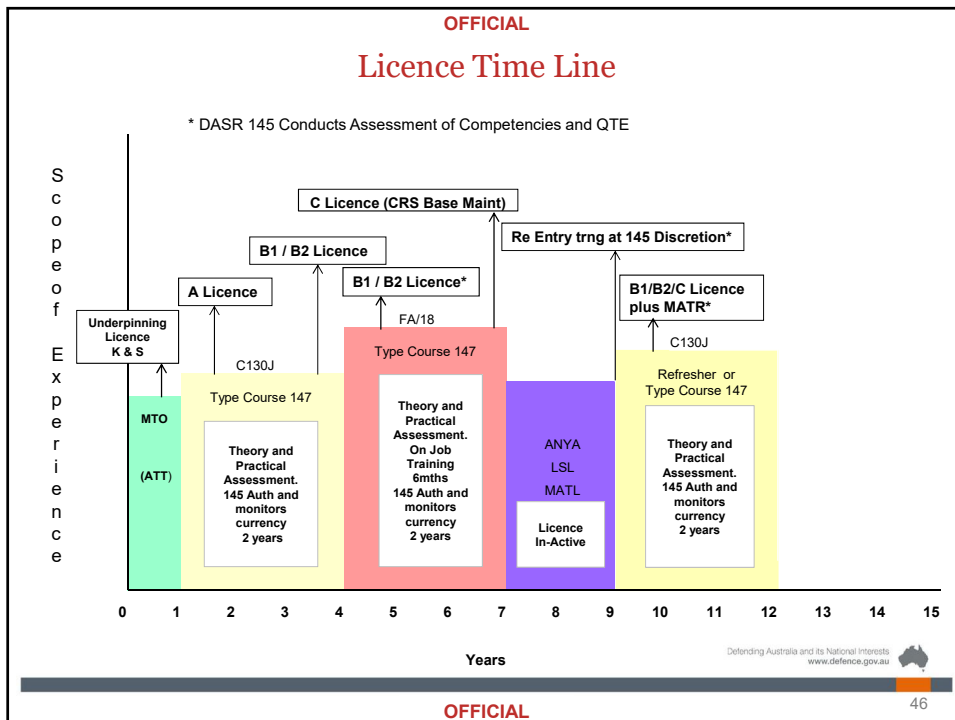
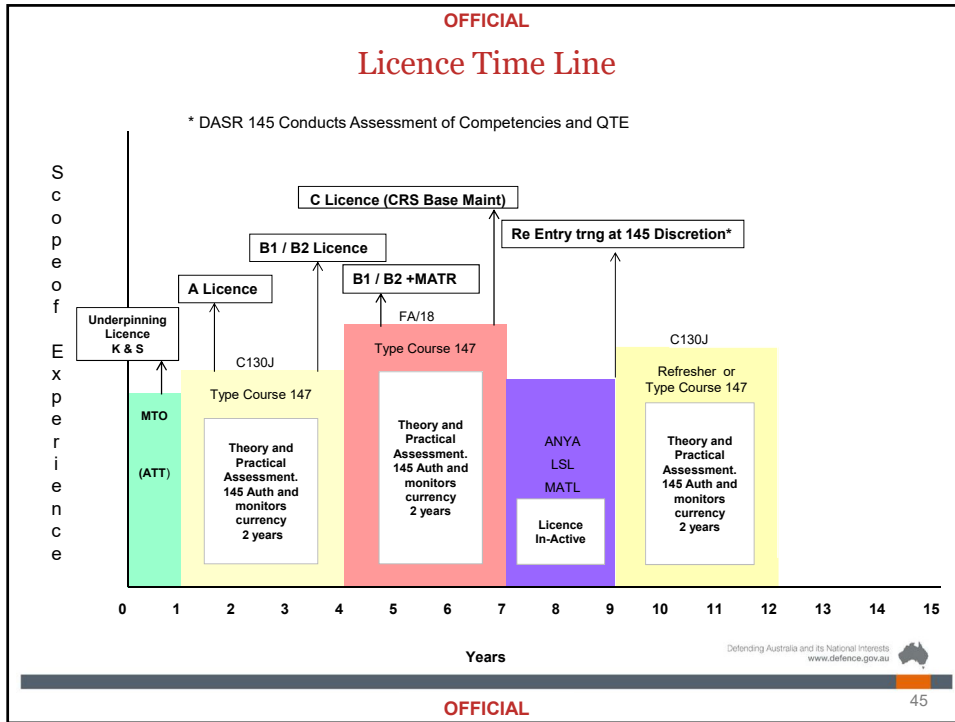
OFFICIAL

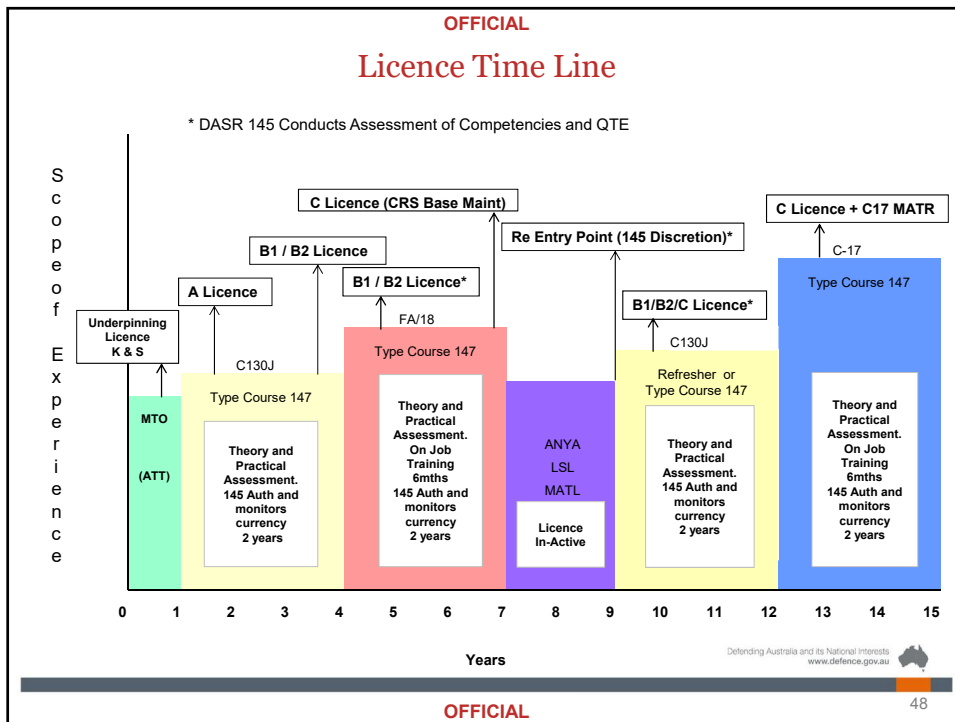
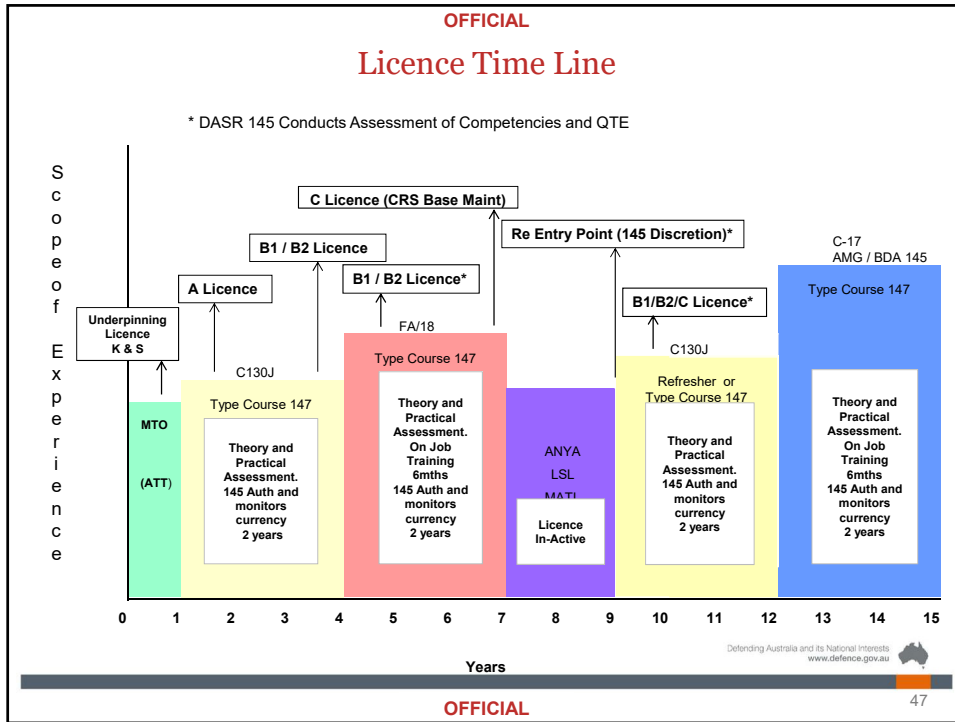












Australian Government
Department of Defence
Defence Aviation Safety Authority

OFFICIAL

MAML Management

Defending Australia and its National Interests
www.defence.gov.au

OFFICIAL 49

Australian Government
Department of Defence
Defence Aviation Safety Authority

OFFICIAL

Managing licences – in the DASR 145

Maintenance authorisations

- The licence provides the scope and level of maintenance activities that may be performed
- The DASR 145 Maintenance Organisation then authorises the activities (within that scope and level) the licence holder can perform and certify
- Currency and continuation training requirements apply

Defending Australia and its National Interests
www.defence.gov.au

OFFICIAL 50


OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

Managing licences – in the DASR 145 MO

Currency and continuation training

- **Currency** (66.A.20)
 - in the preceding 2-year period has had 6 months of maintenance experience, or
 - flexibility provisions when unable to meet currency*
- **Continuation training** (145.A.35)
 - DASR 145 Org to ensure licence holders undergo CT in each 2 year period

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL


51

OFFICIAL


Australian Government
Department of Defence
Defence Aviation Safety Authority

MAML Validity

**MAML can be made Invalid by the Authority (Suspended / Revoked)
IAW DASR 66.A.40 & DASR 145.A.35**




**Note: when not in use in a DASR 145 the MAML becomes
'inactive' not invalid.**

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL


52

OFFICIAL

 Australian Government
Department of Defence
Defence Aviation Safety Authority

MAML Administration


- DASA issue and hold the master licence and supporting evidence for personnel in Objective.
- The MAMLs are accessible to ADF QM representatives and authorised Defence Industry personnel for their own company folders.
- Licence holder qualifications, details, proficiencies and training are retained by DASA.
- MAMLs are signed by the holder and stored under DASR 145 QMS processes.

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL


53

OFFICIAL

 Australian Government
Department of Defence
Defence Aviation Safety Authority

MAML Application

- **ADF**
 - Form 19A - available on the DASA website
 - Automated process in tool
 - Tool is reliant upon updated PMKeyS *Proficiency* codes for applicants
 - PMKeyS data extract for tool is done monthly
- **Defence Industry**
 - Form 19 available on DASA website
 - Manual assessment using MAML tool
 - Applicant and QM review prior to submission
 - Supporting evidence for qualifications, training and experience required

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL

54

Australian Government
Department of Defence
Defence Aviation Safety Authority

OFFICIAL

MAML Development

Defending Australia and its National Interests
www.defence.gov.au

OFFICIAL 55

Australian Government
Department of Defence
Defence Aviation Safety Authority

OFFICIAL

DASR 66 Licences and Aviation Trades

- A and B licence requirements specified by DASR 66 [syllabus](#)
- In Australia, training since approx 1994 is IAW CBTA and produced the different aviation trades (Eng/AF/Elec/Inst/Rad)
- Trades are defined by UoC in the Aeroskills qualifications
 - Mechanical = B1 (TECHACFT, ATA, ATECH)
 - Avionics = B2 (TECHAV, ATV, AVTECH)

Defending Australia and its National Interests
www.defence.gov.au


OFFICIAL 56

OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

DASR 66 Licences and Aviation Trades

- **CASA mapped Aeroskills UoCs to EASA syllabus for B1 / B2**
 - Cert IV + extra UoCs = Diploma of Aeroskills
 - EASA endorsed the CASA mapping to issue a Part 66 licence
- **DASA mapped ADF training to Aeroskills UoCs for trades**
 - ADF Technical IET has a defined pathway for services
 - IET is different than CASA licence pathway
 - Results in ADF licence eligibility, category, exclusions & inclusions

Defending Australia and its National Interests
www.defence.gov.au 


OFFICIAL 57

OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

B1 Syllabus to ATECH comparison

EMAR 66 SYLLABUS	Training level	CASA (MOS)	ADF (IET Cert IV)	Comment
11.5 Instruments and Avionic Systems	2	MEA 343 (Diploma level)	Nil	E6.1 – excluding Inst/Radio/AV and LRUs.
15.2 Engine Performance	2	MEA 322	MEA 302, 314	MEA 314 is higher standard than 322. No exclusion.
11.8 Fire Protection	3	MEA 223, 318	MEA 314, 318, 320	Missing electrical elements of 223. E1 – excluding Electrical systems
11.15 Oxygen	3	MEA 209, 222	Nil	E41 - excluding Oxygen systems

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL 58

OFFICIAL


Australian Government
Department of Defence
Defence Aviation Safety Authority

Licence Exclusions (Limitations) and Inclusions (Extensions)

Basically the difference between licence syllabus requirements and trade training,

- gaps become licence exclusions
- additional training becomes licence inclusions





OFFICIAL 59


OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

DASR 66 Exclusions / Inclusions

- CASR Part 66 Exclusions are listed in the Part 66 Manual Of Standards (MOS)
- Exclusion removal is based around completing UoC for A / B cat in MOS.
- **DASR 66** Exclusions do not directly align with CASA list – accommodating the different training pathway in the ADF.
- **DASR 66** Inclusions:
 - Utilise CASA standard inclusions (e.g. I-2 – Oxygen Systems)
 - Military specific inclusions (e.g. M-3 – Weapons/Gunnery)
 - ADF IET currently doesn't cover all Basic Knowledge military modules
 - Combination of Aeroskills UoC and Type specific training

Exclusions/Inclusions documented in "MAML Exclusions, Inclusions and Endorsements" document - on DASA website

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL 60

OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

Exclusion Example – CASA vs DASA

CASA EXCLUSIONS - B1.1		UoC	Topic	DASA EXCLUSIONS - B1.1	
E2	Excluding mechanical or structural systems	MEA303	Mech	E2.1	Excluding Mechanical systems
		MEA305	Mech		
		MEA318	Mech		
		MEA320	Mech		
		MEA321	Mech		
		MEA328	Mech		
		MEA398	Mech		
		MEA323	Adv. Troubleshooting	E2.2	Excl Mech advanced. troubleshooting
		MEA317	Structural R&I	E2.3	Excl Structural components Pressurised A/C
		MEA339	Structural Repair	E2.5	Excl Minor Structural repairs Pressurised A/C
MEA325	W&B	E2.7	Excluding Weight and Balance Assessment		
MEA365	NDT Assessment	E2.8	Excluding Liquid Penetrant NDT Process		

OFFICIAL


61

OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

Interpreting exclusions

- Exclusions need to be interpreted within the licence privileges. Eg:
 - Cert IV (Mech) produces a B1 with a range of avionics and electrical exclusions, for example E6.1 – excluding Inst/Avionic/Radio LRUs
 - Therefore a B1 is **not** able to issue CRS following simple avionics maintenance (eg LRU change), **if** the exclusion is present on licence.
 - For ADF Technicians the Cert IV (AV) provides an A1 or A3 with an engine exclusion
 - Can still issue a CRS following maintenance to an engine, **provided** that the maintenance was to the engine's electrical or avionics sub-systems.

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL

62

OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

Exclusion Removal- example


E62 – Supervision of Maintenance

ADF

- Skill Grade 3 (SG3)
 - RAAF TSPC, Navy QM3 plus 12 months, Army TS authorisation
- SG3 ATT (Advanced Technical Training)
 - Navy LS-ATT, Army SUBJ 4 (CPL)
 - SG3ATT will remove ‘advanced troubleshooting’ exclusions

DI

- SG 3
 - TS Authorisation – pre DASR 66 rollout – 30 Sep 2018
 - Supervisory UoC from MEA Aeroskills package
 - MEAs - 112, 113, 116, 142 **plus** DASR Module 10
 - Or recognised equivalent service training

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL

63


OFFICIAL

Australian Government
Department of Defence
Defence Aviation Safety Authority

Maintenance Training Organisations

DASR 147


- DASR 66 requires Basic and Type training to be provided by a DASR 147 Maintenance Training Organisation (MTO)
 - Task training can be conducted at the 145 if approved in MOE
- DASA recognises CASR Part 147 MTO product
- There is a single Air Domain DASR 147 MTO for the ADF, and some discrete MTOs across Defence Industry
- The Air Domain MTO comprises:
 - Service FEGs and contractors who train ADF technicians

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL

64


OFFICIAL

 Australian Government
Department of Defence
Defence Aviation Safety Authority

DASA Maintenance Licensing and Training


- **Contact us:**
 - Email: DASA.DCA DASR66

- **Regulation questions (DASR 66 / 147):**
 - DASA Query Form - Form 110

Defending Australia and its National Interests
www.defence.gov.au 

OFFICIAL 65

OFFICIAL

 Australian Government
Department of Defence
Defence Aviation Safety Authority

Questions



Defence Aviation Safety Authority

OFFICIAL