

AIR SERVICE TRAINING (ENGINEERING) LTD



IR Part 66 Category A & B

**MODULAR COURSES
FOR SELF-IMPROVER,
CONVERSION AND EXTENSION
CANDIDATES
&
APPROVED EXAMINATIONS
2009**

**AIR SERVICE TRAINING (ENGINEERING) LIMITED
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AIR SERVICE TRAINING (ENGINEERING) LIMITED ©

IR Part 66 MODULAR COURSES

FOR SELF-IMPROVERS & APPROVED EXAMINATIONS

IR Part 66 Short Modular Courses

These courses provide training in discrete IR Part 66 modules: and can be used by those seeking:

- Conversion of an existing National licence (ie. BCAR Section L)
- Initial licence issue following the Self-Improver route.
- Extension to basic IR Part 66 licence categories (ie. B2 to A1)

The courses offer full training to the IR Part 66 syllabus in each module and should not be viewed as a “crash course”.

These courses do NOT constitute an approved course therefore candidates must meet the full experience requirements as stated in the Part 66 Regulations.

Those seeking an approved course should contact AST directly, on Telephone number: +44 (0)1738 877105, Facsimile: +44 (0)1738 553369 or email diane.duncan@perth.uhi.ac.uk

CAA Approved Examinations

Candidates attending Modular Courses can be examined by AST on behalf of the Regulatory Authority. Those candidates opting for self-study may sit the module examinations only.

Candidates applying for approved examinations, with or without modular training, must provide a good copy of a photographic identification with their application.

The photographic ID copy must be certified by an appropriate person with the statement “I certify this to be a true copy”, with signature and name in capitals, and date of signing.

The original photographic ID must be produced prior to entry to the examination venue; those candidates who cannot produce the original photographic ID will not be allowed to enter the examination room.

Tuition Times

Tuition times are 09.00 –12.30, 13.30 – 16.30 (including break periods) Monday to Friday.

Tuition & Examination Fees

Tuition Fees are normally £332 + VAT per week, which includes technical training notes, tuition and examination fee.

At the time of publication of this document, AST offers a discounted rate of £265 + vat from 1st August 2009, on modular course tuition fees, to registered users of the Airmech Engineers Bulletin Board. Those applicants wishing to claim this discount must add their email address (not their Airmech nickname) to their application for verification purposes.

For those wishing to register as a user of the Airmech Engineers Bulletin board please follow the link on the AST website.

Fee for examination only is £40 + VAT per Module examination or part thereof, there is no discount offered against the examination only fee.

Zero-to-Hero Programme

In addition to individual modules, AST offers a zero-to-hero strategy to those seeking to undertake all modules required by a particular Licence category in one programme.

Fees for the full programmes are further discounted as follows:

Category A = £2,703 + VAT

Category B = £4,730 + VAT

Enhanced Learning Credits

AST is registered to accept HM Forces Enhanced Learning Credits details as follows:

Perth College UHI, ELC Registration number 1188.

Accommodation

Accommodation is available on the Perth Airport site within the Skylodge complex, where a range of room types is available. Additionally AST can offer a list of local B&B and Hotel accommodation. Candidates may wish to make their own reservation or request AST to make the reservation on their behalf.

Contact details for Skylodge

Telephone: 01738 553980

Email: skylodge@perthairport.sol.co.uk

Online booking: www.scotland2000.com/skylodge

Where candidates choose to use the Skylodge or local accommodation, they should pay fees directly to the operators, not through AST.

Training

Candidates undertaking some modules will note that because of the complexity of these modules, they have been broken into discrete parts. However, candidates must sit all of the topics required by their conversion requirements or the complete module in one examination. The attached tables show this breakdown.

AST recommends that modules are undertaken in numerical order to ensure that pre-requisite knowledge is acquired before undertaking succeeding modules.

We trust that the enclosed will be of assistance. To reserve a place on any of our modular courses please complete the enclosed application form. Should you require any further information or clarification, please do not hesitate to contact us.

Modular course breakdown – Category A Modules 6, 7, 11 & 12

Module 06 – Materials & Hardware		
Modular Reference	IR Part-66 Reference	Contents
6A	6.11	Electrical Cables & Connectors
6B	6.1a, 6.2a, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 6.10,	Materials, Hardware & Corrosion (Mechanical)

Module 07 – Maintenance Practices		
Modular Reference	IR Part-66 Reference	Contents
7A	7.3.5 7.7	Electrical General Test equipment Electrical Cables & Connectors
7B	7.1, 7.2, 7.3.1-4, 7.5, 7.6, 7.8, 7.9, 7.10, 7.11, 7.12, 7.13, 7.17, 7.18a&d, 7.19, 7.20	Maintenance Practices (Mechanical)

Module 11 – Turbine Aeroplane Aerodynamics, Structures and Systems		
Modular Reference	IR Part-66 Reference	Contents
11A	11.5 11.6 11.14 11.18	Instruments & Avionic Systems Electrical Power Lights On-Board Maintenance Systems
11B	11.2 11.4 11.7 11.8 11.10 11.11 11.12 11.16	Airframe Structures - General Air Conditioning & Pressurisation Equipment & Furnishings Fire Protection Fuel Systems Hydraulic Power Ice & Rain Protection Pneumatics / Vacuum
11C	11.1 11.3 11.9 11.13 11.15 11.17	Aeroplane Theory of Flight Airframe Structures - Aeroplanes Flight Controls Landing Gear Oxygen Water / Waste

Module 12 – Helicopter Aerodynamics, Structures and Systems		
Modular Reference	IR Part-66 Reference	Contents
12A	12.7 12.8 12.15	Instruments & Avionic Systems Electrical Power Lights
12B	12.5 12.6 12.9 12.10 12.11 12.12 12.13 12.16	Airframe Structures General Air Conditioning Equipment & Furnishings Fire Protection Fuel Systems Hydraulic Power Ice & Rain Protection Pneumatics / Vacuum
12C	12.1 12.2 12.3 12.4 12.14	Helicopter Theory of Flight Flight Control Systems Blade Tracking & Vibration Analysis Transmissions Landing Gear

AIR SERVICE TRAINING (Engineering) Ltd
IR PART 66 MODULAR COURSES - 2009
CATEGORY A

Wk Start	19-Jan	26-Jan	02-Feb	09-Feb	16-Feb	23-Feb	25-Feb	02-Mar	09-Mar	16-Mar	23-Mar	30-Mar	06-Apr
Module					3	5*	6/7A*	6B	7B	8	9	10	11/12A
Exam					20-Feb	25-Feb		06-Mar	13-Mar	20-Mar	27-Mar	03-Apr	
Module													
Exam													

Wk Start	13-Apr	20-Apr	27-Apr	04-May	11-May	18-May	25-May	01-Jun	08-Jun	15-Jun	22-Jun	29-Jun	06-Jul
Module	11/12B	11C	11C	15	17								
Exam			01-May	08-May	15-May								
Module		12C	12C										
Exam			01-May										
Module													
Exam													

Wk Start	13-Jul	20-Jul	22-Jul	27-Jul	03-Aug	10-Aug	17-Aug	24-Aug	31-Aug	07-Sep	14-Sep	21-Sep	28-Sep
Module	3	5*	6/7A*	6B	7B	8	9	10	11/12A	11/12B	11C	11C	15
Exam	17-Jul	22-Jul		31-Jul	07-Aug	14-Aug	21-Aug	28-Aug				25-Sep	02-Oct
Module											12C	12C	
Exam												25-Sep	
Module													
Exam													

Wk Start	05-Oct	12-Oct	19-Oct	26-Oct	02-Nov	09-Nov	16-Nov	23-Nov	30-Nov	07-Dec	14-Dec	21-Dec	28-Dec
Module	17												
Exam	09-Oct												
Module													
Exam													
Module													
Exam													

Note:

AST reserves the right to cancel courses where there are insufficient candidates

Additional modular courses may be scheduled where there is sufficient interest

* Indicates Mid-Week Start or Finish

Modular course breakdown – B1.1 Module 11

Modular Reference	IR Part-66 Reference	Contents
11A	11.6 / 11.14	Electrical Power / Lights
	11.5.2	Avionics/OBMS
	11.5.1	Instruments
11B	11.4.1 to 11.4.4; 11.7a to 11.8; 11.10 to 11.12; 11.15 to 11.17	Aircraft Systems
11C	11.1; 11.9; 11.13	Aeroplane Systems
	11.2a to 11.3.5	Aeroplane Construction

Modular course breakdown – B1.3 Module 12

Modular Reference	IR Part-66 Reference	Contents
12A	12.8 / 12.15	Electrical Power / Lights
	12.7.2	Avionics
	12.7.1	Instruments
12B	12.6.1 to 12.6.2; 12.10 to 12.13; 12.16	Aircraft Systems
12C	12.1 to 12.4; 12.9a & 12.9b; 12.14	Helicopter Systems
	12.5a & 12.5b	Helicopter Construction

Modular course breakdown – B2 - Module 13

Modular Reference	IR Part-66 Reference	Contents
13A	13.5	Electrical Power
	13.9	Lights
13B	13.8	Instruments
13C	13.4 & 13.10 (including 13.6)	Radio/Radar Principles, Communication, Navigation & Radar, OBMS
13D	13.1.a (including 13.7.a & b)	Aerodynamics & Flight Controls (inc General and FBW)
	13.1.b	High Speed Flight
	13.2	Structures
	13.1.c	Rotary Wing Aerodynamics
	13.3	Autoflight

N.B. - The Module 13 running order and timescale has been amended from previous schedules and therefore has a duration of 10 weeks instead of 12.

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CATEGORY B

Wk Start	19-Jan	26-Jan	02-Feb	09-Feb	16-Feb	23-Feb	02-Mar	09-Mar	16-Mar	23-Mar	30-Mar	06-Apr
Module	3	3	4B1	5B1	6	6	7	7	8	9	10	11/12/13A
Exam		30-Jan	06-Feb	13-Feb		27-Feb		13-Mar	20-Mar	27-Mar	03-Apr	
Module			4B2	4B2/5B2	5B2							
Exam				13-Feb	20-Feb							

Wk Start	13-Apr	20-Apr	27-Apr	04-May	11-May	18-May	25-May	01-Jun	08-Jun	15-Jun	22-Jun	29-Jun
Module	11/12/13A	11B	11B	11C	11C	11C	15	15	17	3	3	4B1
Exam						22-May		05-Jun	12-Jun		26-Jun	03-Jul
Module		12B	12B	12C	12C	12C						4B2
Exam						22-May						
Module		13B	13B	13B	13C	13C	13C	13D	13D	13D	13D	14
Exam						22-May					26-Jun	03-Jul

Wk Start	06-Jul	13-Jul	20-Jul	27-Jul	03-Aug	10-Aug	17-Aug	24-Aug	31-Aug	07-Sep	14-Sep	21-Sep
Module	5B1	6	6	7	7	8	9	10	11/12/13A	11/12A	11B	11B
Exam	10-Jul		24-Jul		07-Aug	14-Aug	21-Aug	28-Aug				
Module	4B2/5B2	5B2									12B	12B
Exam	10-Jul	17-Jul										
Module										13B	13B	13C
Exam												

Wk Start	28-Sep	05-Oct	12-Oct	19-Oct	26-Oct	02-Nov	09-Nov	16-Nov	23-Nov	30-Nov	07-Dec	14-Dec
Module	11C	11C	11C	15	15	17						
Exam			16-Oct		30-Oct	06-Nov						
Module	12C	12C	12C									
Exam			16-Oct									
Module	13C	13C	13C	13D	13D	13D	14					
Exam						06-Nov	13-Nov					

Note:

AST reserves the right to cancel courses where there are insufficient candidates

Additional modular courses may be scheduled where there is sufficient interest

* Indicates first Friday of Month Examination only for all modules