TTS

Aircraft Maintenance Training

Classroom Products and Support

The three components of your training organisation:
• hardware
• software
• liveware

Modules 1-17
Categories A, B1, B2 and B3

The next generation of technical training

Our mission

To facilitate and enable training organisations in providing modern compliant classroom products for training and assessment, that educates and inspires the next generation of aircraft maintenance technicians.

Founder and director, Bill Cottrill

It is now 35 years since Bill graduated from an aircraft manufacturing apprenticeship in the UK. He has experience in maintenance of many types of aircraft and has served time in the hangars of airline companies from Luton to Jakarta.

And with a Bachelor of Engineering in aircraft engineering and a major postgraduate teaching qualification, Bill has been an educator, a technical author and a classroom trainer for 25 years, delivering services and consultancy to training organisations, classrooms and practical workshops throughout the UK, Europe and worldwide.

As founder and director of Total Training Support, since the year 2000, developing course-ware and assessment tools has been Bill's pleasure and passion. This has involved working with many inspiring training organisations facilitating their growth, and even that of whole maintenance industries, in countries throughout the world.

Whether you are a small start-up company or an established big player in the industry, at some point you will need some tailored or off-the-shelf training products to help you expand and grow or just to adapt to an ever-changing industry. You can email or pick up the phone any time, it will be his pleasure to discuss your unique requirements.

Total Training Support is based at The Cranfield Innovation Centre, Cranfield University Technology Park. Cranfield University is a British postgraduate public research university founded as the College of Aeronautics in 1946, now specialising in science, engineering, design, technology and management.

The Cranfield Innovation Centre, Cranfield University Technology Park ▶

Total Training Support

Delivering quality aircraft maintenance training straight to your classroom

Total Training Support provides quality aircraft maintenance training products to support your Part-66 (or equivalent) basic licence training, whether you are a training organisation requiring course-ware for your classroom courses or to provide support to any of your technicians who are self-studying their way to a maintenance licence.
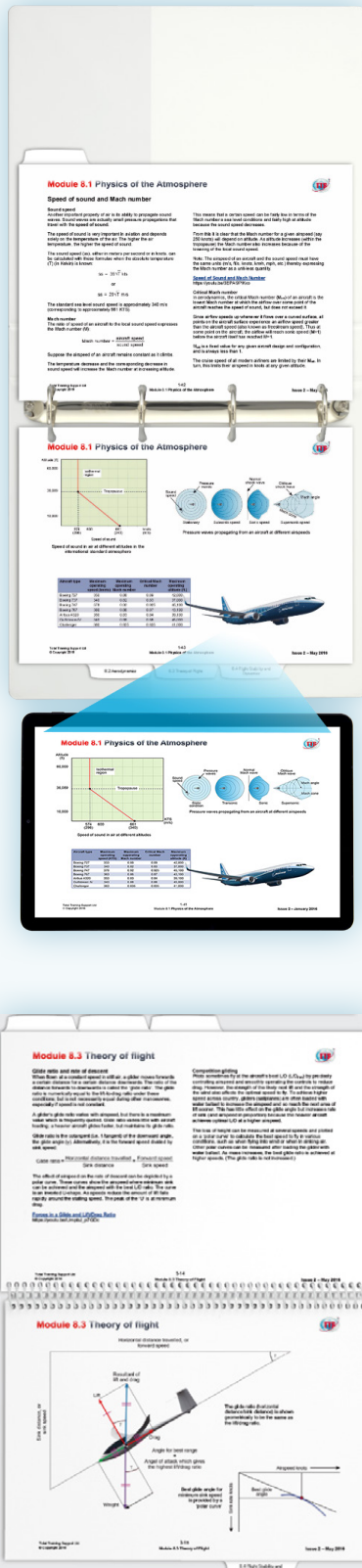
To approved training organisations

If you are a training organisation, Part-147 approved (or equivalent) or seeking such approval, you can choose the content, the design, the build and the format of your course-ware. We can even supply you our world-renowned Part-66 modular training manuals in Microsoft Word® format, so you can edit them as and when required and print them for your students. All modules (1-17) and all licence categories (A, B1, B2, B3) are available.

To support your staff development

To support your mechanics in their efforts to self-study for a maintenance licence, we provide books, **eBooks** and **workbooks** on a module-by-module basis.

You can also set-up a site licence with our world-renowned **club66pro. com** study portal, so any of your staff can access training materials and support whenever they need it and encourage others to initiate the first step to becoming a member of your certifying team.

Part-66 classroom products

Microsoft Word® and PowerPoint® – available to training organisations only

We already supply sets of Part-66 modular training manuals to dozens of Part-147 approved organisations around the world and they have been approved by aviation authorities in more than 15 countries. If you are setting up an aircraft maintenance training organisation and need training manuals, Microsoft PowerPoint® presentations and other course-ware, we can supply it; customised with your organisation's logo and corporate styling and which you can edit as and when required and print for your own students. Get in touch and we can discuss your requirement and supply a quotation and samples for inspection.

The TTS product line
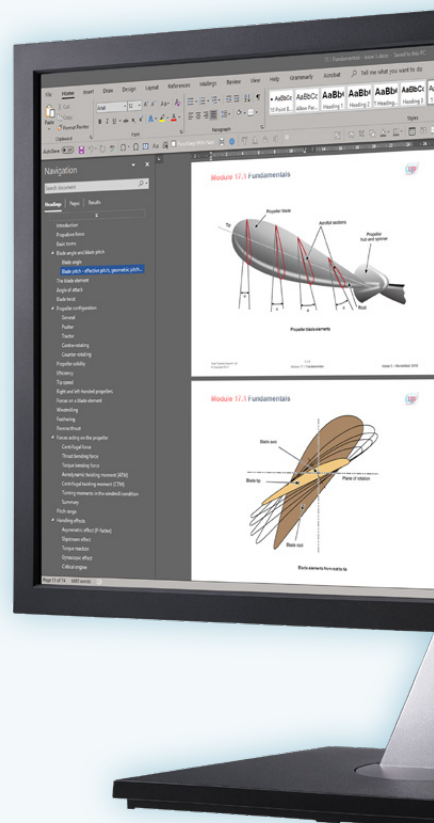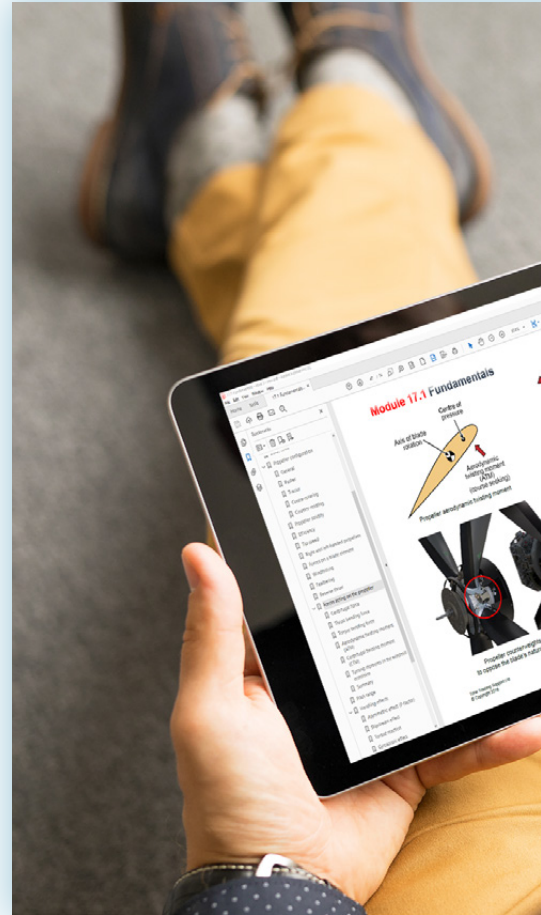
Part 66 modules: training manuals and workbooks

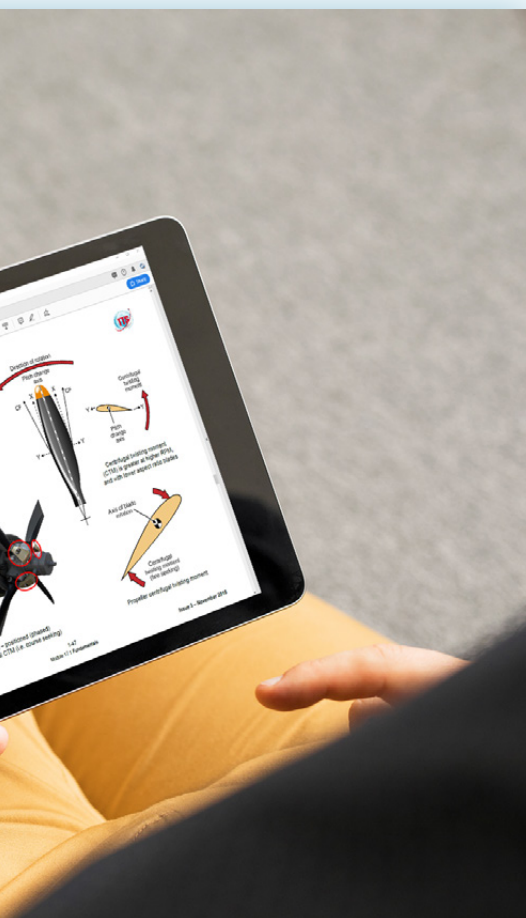**Delivered to your door by FedEx® − worldwide**
In paper hard-copy format, delivered to you on a module-by-module basis, in your choice of document build – colour/mono print, card or plastic labels and dividers, spiral-bound or clip folders, etc. Send us your preferences and we will give you our best quote. Browse our online bookshop to see more information and get a hard copy sent to you by FedEx®. All modules 1-17, and all licence categories A,B1,B2,B3 are available.

For training organisations, we can manage your course-ware material for you by branding our white label products with your logo and corporate styles.

Our professional technical authors and graphics specialists are always on hand to tackle any syllabus or technology change that comes your way.

With five days' notice or less, we can deliver your training material straight to your classroom, anywhere worldwide. We offer attractive discounts for classes of 10 or more students.

Part-66 modules; training manuals and workbooks – electronic format

Download and read on your laptop and tablet

In electronic eBook format, delivered by electronic download, on a module-by-module basis, in full colour with no shipping costs. Your students can open and read on desktops, laptops or tablets. Browse our online bookshop at **http://totaltrainingsupport.com** to see more information.
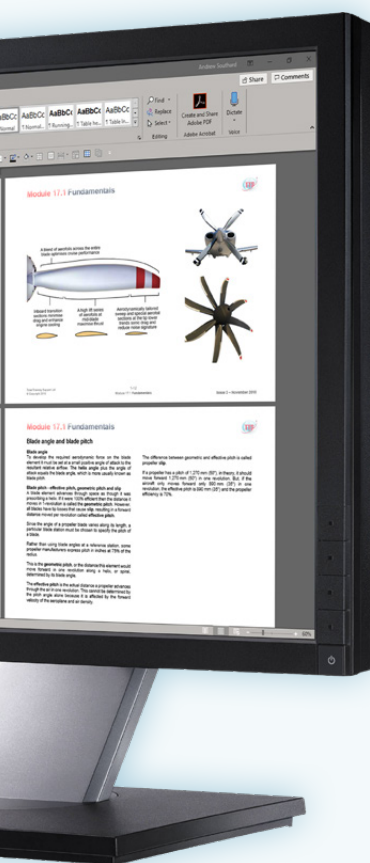
Again, for training organisations, we can manage your eBook course-ware for you by branding our white label products with your logo and corporate styles. We provide you with the documents and an access code for each of your students. Big discounts are available for classes of 10 or more students, for this cost effective and low-maintenance format of course-ware delivery.

Editable versions

We supply any (or all) Part-66 modules, training manuals and workbooks, in editable Microsoft Word® and optionally also PowerPoint® versions. Various add-ons are available, such as student workbooks and exam question banks, integrated to form a complete training assessment package.

You can edit, delete or add content as you wish, and make printed and/or secure eBooks for your students. All the course-ware can be branded with your logo, your corporate colour scheme, and any additional preface materials you care to specify. With the MS Word documents, you can also choose your preferred options such as paragraph justification (left or full) and language (British-English or American-English).
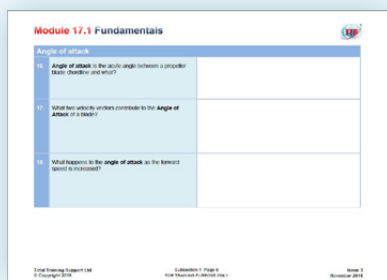
An update service is also available, so you don't need to worry about future changes in technology or syllabus.
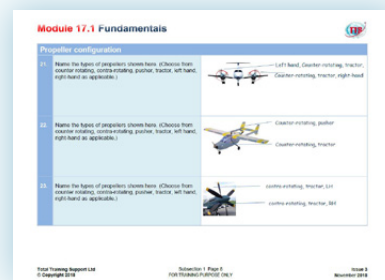
Student workbooks

Introduction

Workbooks are student-centred learning activities. They are written by professional educators who are also aircraft engineering specialists in the respective field. The workbooks are designed to facilitate the student's active involvement in the learning process and their development of the understanding of aircraft systems and maintenance principles. They are the ideal complement to the training manuals.

◄ *Questions display without answers (for your trainees)*

◄ *Or questions display with answers (for your instructors)*

The core premise is that learning should be based on "doing" immersive activities. The idea of activity-based education is rooted in the common notion that the students are active learners rather than passive recipients of information. If the student is provided with the opportunity to explore independently and are provided with the appropriate tools to do this, and in an optimum learning environment, then the learning becomes more efficient and longer-lasting.

The workbook question style is aimed at the understanding of systems and principles. It is geared towards developing the learner's ability to describe systems, techniques, procedures and principles, instead of just learning facts and figures.

Questions and answers in the workbooks are pitched to a technical and difficulty level commensurate with those difficulty levels (1,2 or 3) specified in the Part-66 syllabus.

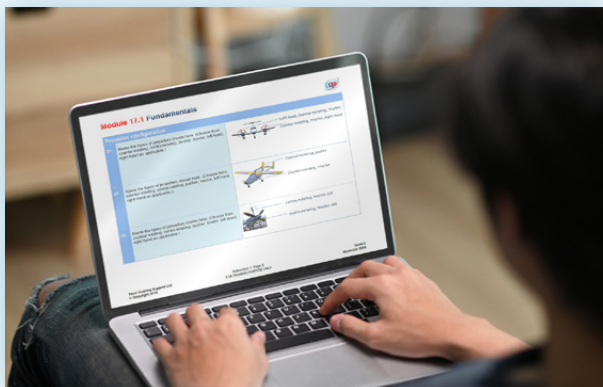The workbooks can be used on an entirely personal level, by which the student uses the workbooks to reinforce the knowledge learned in the classroom. Alternatively, the trainer can issue the workbooks as classwork, or as homework, subject-by-subject. After that, facilitate an active class discussion upon completion of the section. The student's correction and expansion of their answers continue to form a part of their entire learning process.

The workbooks are **not** an assessment or examination tool. They are an immersive learning aid for the trainee and a feedback tool for the trainer. They are not intended to replace the normal classroom activities, but they are designed to complement the usual didactic teaching style.

As a learning aid - the advantage for the trainee
The workbooks comprise a series of open-ended questions, necessitating an active and investigative approach to the solution, requiring reading the course training manuals, interpreting and assimilating information therein, and responding in the space provided on the workbook, with their own interpretation.

Leading, but open questions using active verbs like "describe", "explain", "list", or "provide" which generally encourage broader discussion and elaboration and help to develop the students' competence in written technical English as well as the understanding of the subject matter.

Each workbook's questions are set out in the same sequential order as the subjects in the training manuals, with the same headings. They are written in an exemplary standard of aviation technical English (British-English or American-English is an option), thus exercising and developing the student's technical linguistic understanding and fluency.

As a teaching aid – the advantage for the trainer

The workbook's questions and answers are flexible and editable. The trainer can add, edit and elaborate any answer or question, based upon their preference and experience, and from any feedback received through class discussions. In this way, the workbooks develop and mature over several courses, into a comprehensive compendium of knowledge. The trainer can then use the advantages gained in previous classes and transfer that learning to future courses through question and answer sessions.

Using the workbooks as a powerful feedback tool, the trainer gets a good sense of how the students are progressing and learning. The trainer can, therefore, concentrate additional resources on specific subject areas as required.

Delivery format options – paper or electronic

The basic format of the workbooks is Microsoft Word. This enables the trainer to add and edit questions and the answers as required. They can then be printed to hard copy for issue to the students. The answer fields are large enough for the students to handwrite their responses to each question.

Alternatively, and for a completely paper-free classroom environment, they can be converted into PDF with editable answer fields. This enables electronic workbooks to be issued by download or email, questions answered and saved onto the students' device such as on a tablet or laptop.

PowerPoint versions of the workbooks can also be provided (or generated by the trainer). The answers are included, with animated answers being progressively revealed as they are presented to the class, further facilitating classroom discussions and analysis of students' responses to the questions.

club66pro.com

Part-66 online study support

The club66pro.com online study aid for companies and individuals

With the online training manuals for all modules, a well-stocked library of reading material, unlimited question practice and live subject specialists just a few clicks away to answer any questions, a site licence to the **club66pro.com** study portal can provide your staff with all their technical study materials and support for as little as 10 Euros per year each (depending on number of staff members).

With a site licence ,or bulk purchases of annual/bi-annual memberships, to the **club66pro.com** study portal, the comprehensive and complete training aid is provided throughout your maintenance facility, whether that is a single hanger location or an extensive network of maintenance facilities spread across the globe. If you would like more information, email us at **admin@club66pro.com** to let us know approximately how many staff you have, and we can advise you of what type of access membership is most economic for your needs. Try out the system on a month's free trial, and the first year of a site licence is always half price.

Question practice

Tutorial support

club66 professional
by Total Training Support

- Question practice
- Tutorial support
- Study notes

Study notes bookshelf

Study notes online reader

Club66pro.com consists of three components:

- ***Question practice***
  Your trainees can practice Part 66-style exams preconfigured to License A, B1, B2 & B3 an unlimited number of times. Over 23,000 questions are available on which to practice.
- ***Tutorial support***
  Your trainees can ask a real live human subject specialist any technical question that is troubling them. it is like having 17 real instructors employed to support your trainees.
- ***Study notes***
  The entire set of TTS training manuals and workbooks are online to read and study. Many other books and maintenance manuals are also available in the well-stocked bookshelf.
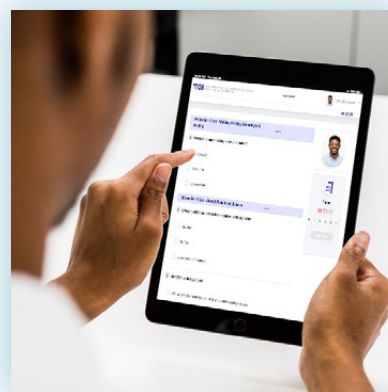
Part-66 exam questions

For Part-147 – secure and professional – available to approved (or approval-seeking) training organisations only

We know how hard it is to write good multiple-choice questions, compliant with the Part-66 syllabus and methodology, its licence categories and difficulty levels and to a level of English necessary for written assessment; that's why we write them for you, all modules and all licence categories (A, B1, B2, B3). You can be assured that they are secure (i.e. not in the public domain) and managed only under the strict control of Part-147 security procedures. All questions are protected by a non-disclosure agreement for the added protection of your approval.
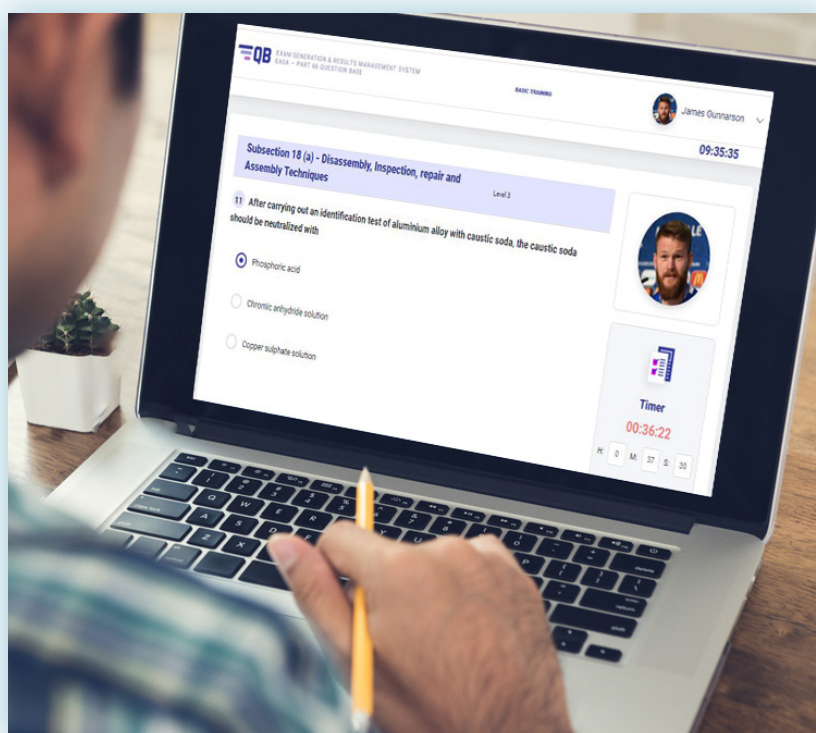
All questions are written to comply with the content of the training manuals, are up-to-date and written by qualified instructors to an outstanding level of technical and grammatically correct English. Essay questions are supplied with a marking schema (weighted key-points and assessment table) and a model answer.

▲ *All questions can be displayed on a single scrolling page*

Not sure how many questions you need for your question bank? Contact us and we can supply free spreadsheets to show just how many questions you will need to cover categories A, B1, B2, B3, B2L, L, or a combination of multiple categories.

A minimum of 3-4x examination quantities is available, for both multiple choice questions and essay questions. We can supply question packages to kick-start your approval and thereafter recurrently provide top-ups to keep your question bank fresh, current and compliant.

▲ *Alternatively, each question can display on a separate page*

QBgenerator

The Part-66 and Part-147 exam management tool

QBgenerator is a computer programme that is offered to training organisations who wish to set exams for their students, either as a part of an Part-147 approval, or simply to set practice and mock exams for the EASA (or non-EU equivalent) Part-66 courses. It is suitable for training organisations and aviation authorities.

You can upload your own questions or we can supply questions (up to 23,000 multiple-choice 'stock' questions are available across all Part-66 modules) at an additional cost. We can also supply you with a database of 'secure' questions for your part-147 approval preloaded onto the software.
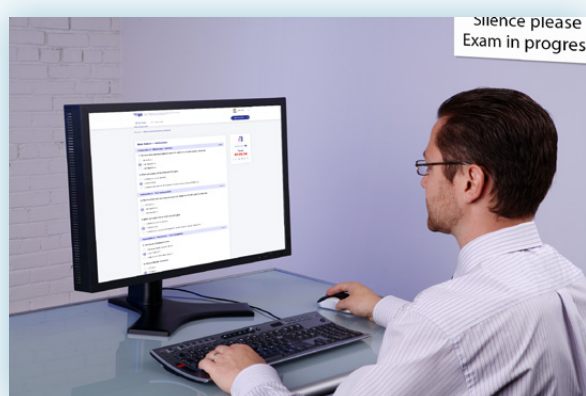
If you are a training organisation, perhaps you are a Part-147 approved organisation or are preparing for such approval and if you are looking to facilitate yourself with a Part-66 exam bank and an exam generator, please feel free to contact us by email or phone for an informal discussion to assess your unique requirements. We can provide a full system demo either by visit or via Skype®.
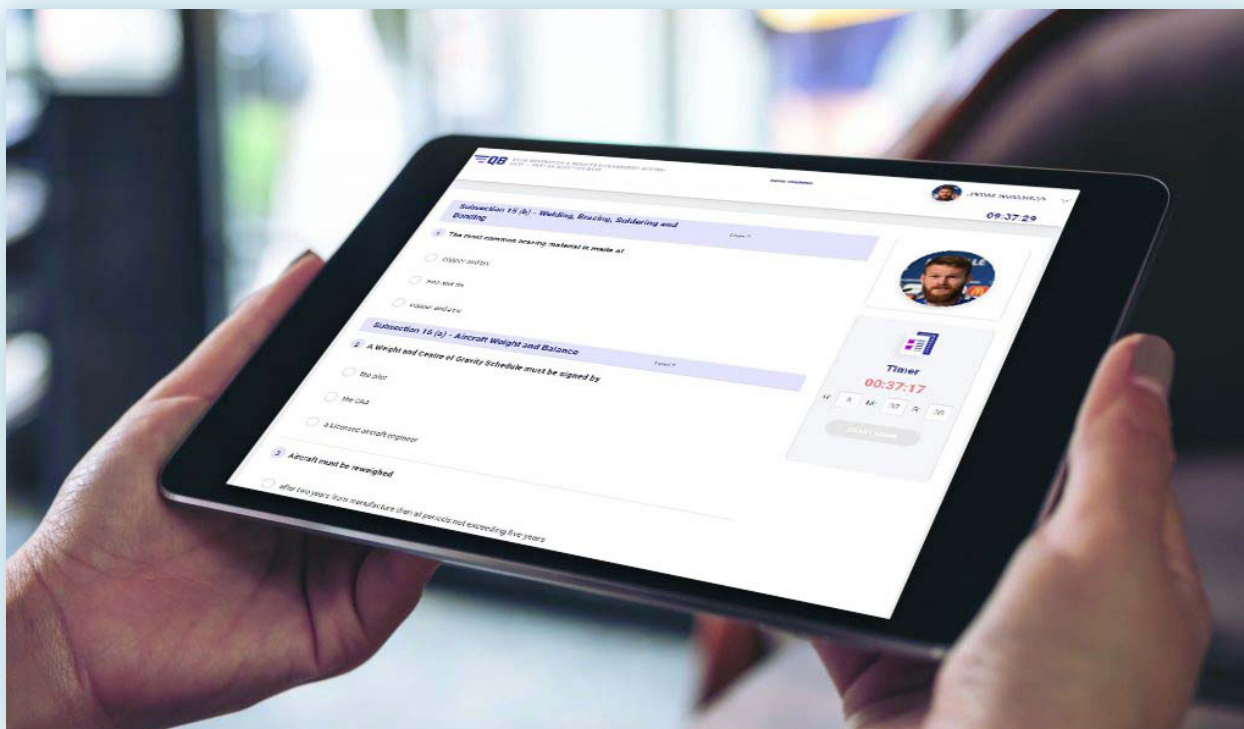
QBgenerator features	Basic training	Type training
Part-66 syllabus modules and subsections preconfigured	◉	○
ATA 100 chapters preconfigured	○	◉
Built-in and printable **user manual** and **tool tips**	◉	◉
Manage **multiple choice exams**	◉	◉
Manage **essay exams**	◉	○
Optionally **installed with exam questions** (multiple choice and or essays) – any/all modules/subsections, Licence Categories A, B1, B2, B3, B2L, L	◉	○
Fully **regulations** (Part-66 and Part-147) compliant	◉	◉
Manage **practical assessments**	◉	◉
Add unlimited number of new **aircraft/engine types**	○	◉
Edit aircraft/engine types and ATA chapter structure, names and descriptions	○	◉
Add unlimited number of **new basic modules and/or subsections**	◉	○
Edit module and subsection structure, names and descriptions	◉	○
Add multiple independent **additional databases**	◉ (including type training exams if required)	◉ (including basic training exams if required)
Setup **unlimited administrators**	◉	◉
Manage administrator **access rights**	◉	◉

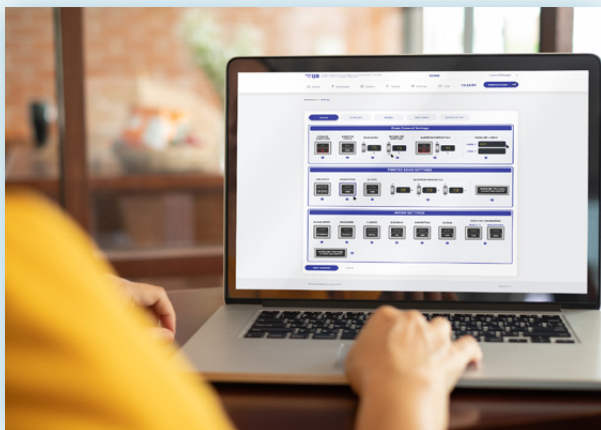| QBgenerator features	Basic training	Type training
Assign specific administrators to specific modules or aircraft/engine types	⊙	⊙
Manage exams for **fuel tank safety training, human factors recurrent training, EWIS,** etc.	⊙	⊙
Register **unlimited number** of examinees	⊙	⊙
Register examinees by **class name** or **individually**	⊙	⊙
Subscribe examinees to **multiple examinations** (in different modules and/or aircraft/engine types)	⊙	⊙
Add **new questions,** unlimited times	⊙	⊙
Include **images** with questions and/or answers	⊙	⊙
Set question **difficulty level** (1,2 or 3)	⊙	⊙
Add **comment/reference** to questions (not shown on exam)	⊙	⊙
Edit questions	⊙	⊙
Copy/Move/Trash questions	⊙	⊙
Track question changes and record change history	⊙	⊙
Question statistical analysis of question effectiveness (facility index)	⊙	⊙
Perform **paper exams** (printable)	⊙	⊙
Perform **electronic exams** eExams (on desktop/laptop/tablet/iPad, etc.)	⊙	⊙
Dedicated **free downloadable app** for eExams (iPad and Android tablets)	⊙	⊙
Fraud deterrent (QR code eExam access)	⊙	⊙
Generate **hand-picked** exams	⊙	⊙
Generate **random** exams	⊙	⊙
Configure exams (number of questions per subsection/ATA chapters)	⊙	⊙
Print **exam attendance list**	⊙	⊙
Randomise questions per examinee (eExams only)	⊙	⊙

▲ *All TTS products are multi-platform compliant* ▶

▲ *eExams can be performed on any suitable network desktop or laptop and on Android and iPad tablets with the secure dedicated apps.*

QBgenerator features	Basic training	Type training
Randomise answers (A, B C) (eExams only)	⊙	⊙
Option to display **one question per page** or **all questions on one page** (eExams only)	⊙	⊙
Schedule an **in-exam break** (optional – eExam only)	⊙	⊙
In-exam **progress display** (eExams only)	⊙	⊙
In-exam **examinee photo display** (fraud prevention)	⊙	⊙
Automatic and immediate exam marking and Result recording (eExams only)	⊙	⊙
Print detailed **exam reports**	⊙	⊙
Print **examinee reports**	⊙	⊙
Hibernate questions (configure % of questions and number of future generations) to guarantee minimum number of different questions on a resit	⊙	⊙
Print **knowledge deficiency report** (KDR) for failed exams	⊙	⊙
Print **certificate of recognition** (data automatically filled, MS Word) for passed exams	⊙	⊙
Configure **exam title page** design and content	⊙	⊙
Configure **certificate of recognition** design and content	⊙	⊙
Exam history **archiving and report generating**	⊙	⊙
One-click data **backup and restore** system	⊙	⊙
Syllabus and regulation change **future-proof**	⊙	⊙
User-friendly **control panel** for **exam configuration** settings	⊙	⊙
Customise exam outputs with organisation corporate logo	⊙	⊙

▲ *QBGenerator has a 'Mode Control Panel' to fine-tune exams to your requirements*

▲ *From the admin side, configuring the exams, managing examinees and printing reports, certificates and KDRs is very easy*

Interactive software

Computer-based training (CBT)

The Part-66 Study Notes from TTS can be supported by highly interactive classroom trainers and other computer-based training (CBT) to enhance the overall experience within the classroom and increase students' understanding of some of the more challenging subjects.

This CBT will run on any standard Windows PC and each application includes a perpetual site licence. This means that no renewal is needed and the CBT can be installed on an unlimited number of computers within your training school. Therefore, the CBT can be used by multiple instructors and also by the students to reinforce their learning afterwards.

Contact us for more information and to discuss the CBT products

The three
components
of your training
organisation:
• hardware
• software
• liveware

Total Training Support Ltd
Cranfield Innovation Centre
Cranfield University Technology Park
University Way,
Cranfield,
Bedfordshire, MK43 0BT
United Kingdom
Tel: +44 (0)773 4172223
Email: info@totaltrainingsupport.com

Contact us now for advice or a free consultation to assess your training needs

Whether you are an established training organisation looking to upgrade and modernise with new classroom products and examination questions and software, or a start-up company looking to provide a complete package ready for your approval submission, we have everything you need!