

# e-Examination & e-Licensing Services

# Together for better aviation



## About CAA International

CAA International is the technical cooperation arm of the UK Civil Aviation Authority (UK CAA). As part of the CAA's International Group, we are committed to supporting ICAO and EASA on international cooperation initiatives to help shape tomorrow's international aviation legislation, improving regulatory capacity and efficiency, and sustaining society's confidence in aviation.

Our primary focus is providing advisory, training, examination and licensing services to agencies, fellow National Aviation Authorities (NAAs) and industry. From 191 ICAO contracting States, we have provided our expertise in more than 140 countries.

## Our partnership with Aspeq



Aspeq is a global technology company specialising in high stakes assessment and licensing. It has worked with the aviation industry since 1992 and boasts a client list including the New Zealand CAA, CAA Singapore and CASA.

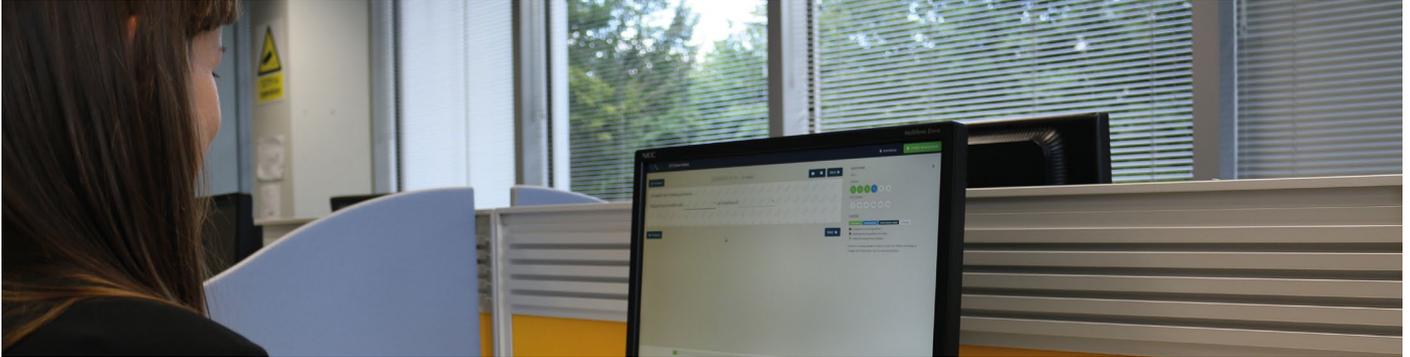
CAAi and Aspeq have developed e-Licensing Management and e-Examination solutions to help NAAs improve existing aviation assessment systems and overall aviation standards.

Central to CAAi and Aspeq's service is our ability to deliver e-Examinations locally in secure venues and supervised environments. This additional layer of security reinforces exceptional standards of integrity and ensures CAAi and Aspeq clients receive an electronic regulatory service that ranks amongst the best in the world.

**Through our partnership with ASPEQ Ltd, we can provide National Aviation Authorities with full electronic assessment services including e-Examinations and e-Licensing Management.**

Our systems combine seamlessly to make the entire regulatory process as paperless as possible, reducing the administrative burden without compromising the safety and integrity of 'high-stakes' licensing practices.

# UK CAA Licence Examinations



**We offer a range of UK CAA examinations across an extensive worldwide network of examination centres. The examinations generate credits towards a UK CAA/EASA licence through alignment with training and practical experience standards set by UK CAA/EASA.**

## **EASA Part-FCL (Flight Crew Licensing)**

We offer 14 electronic examinations which comprehensively assess candidates' theoretical knowledge across all EASA Part-FCL learning objectives. We are delivering UK CAA Part-FCL in Florida, USA and Kuala Lumpur, Malaysia.

## **EASA Part-66 (Aircraft Maintenance Engineer)**

We offer UK CAA examinations to Aircraft Maintenance Engineers (AME) who want to take the EASA Part-66 examinations outside of an EASA Part 147 approved training course.

This service is ideal for qualified engineers who already have extensive AME experience, and are seeking conversion or recognition of their qualifications and experience to enable them to apply for an EASA Part-66 Licence.

We are delivering UK CAA Part-66 exam in Kuala Lumpur, Malaysia; Florida, USA; Dubai, UAE; Port of Spain, Trinidad and Tobago; Mumbai and Gurgaon, India; and Malabe, Sri Lanka.

# Electronic Examination Systems (e-Exams)



## Our e-Examinations solutions help improve aviation standards whilst simplifying regulatory assessment processes and administration for National Aviation Authorities.

CAAi offers administration, development, maintenance, results management and reporting for UK CAA/EASA Part-FCL and Part-66 AML examinations. Bespoke FCL and AML can be built to specific national aviation standards.

## Electronic Examination systems (e-Exams)

Our system allows us to build, update and maintain a question bank that complies with the UK CAA, EASA or local NAA standards, and can generate multiple-choice questions exclusive to individual candidates.

Candidates can take the exam locally thanks to our global network of exam centres, and our bespoke offering enables NAAs to issue their own professional licences and ratings rapidly.

## Benefits to National Aviation Authorities

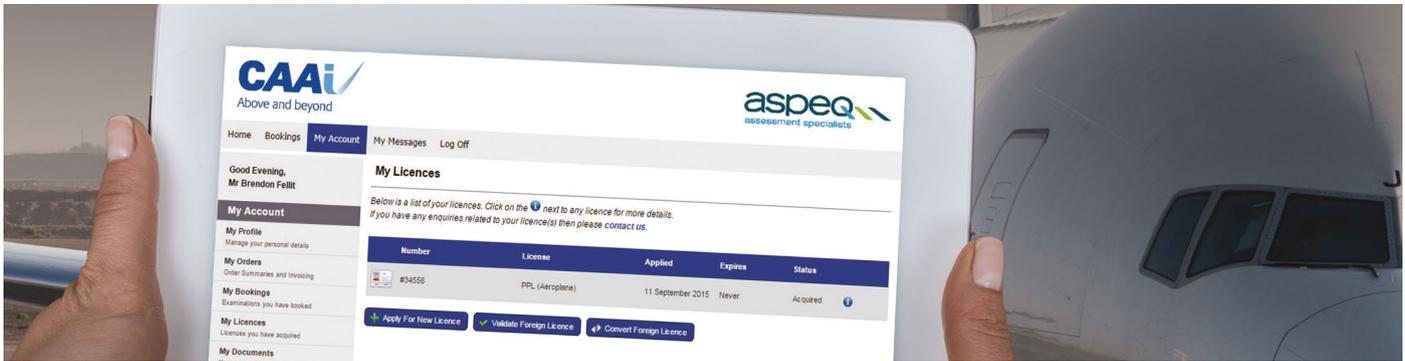
- Reporting functions reduce administration, save time resulting in cost efficiency
- Increased exam security through computer locking system and improved aviation standards through unique exam generated on individual basis
- Up-to-date question banks that comply with UK CAA, EASA or local NAA requirements
- Enhanced oversight through instant reporting system allowing to identify candidates' weaknesses promptly

## Benefits for candidates

- Candidates and training organisations can book, amend and manage exam bookings online
- Candidates can receive results on the same day
- A paperless, simple and fast examination process

**For more information please visit:**  
[www.caainternational.com/e-exams](http://www.caainternational.com/e-exams)

# Electronic Licensing Systems (e-Licensing)



**Our e-Licensing management system is designed to support State regulators in the effective issuance of all personnel licences, ratings and renewals across the entire spectrum of aviation requirements, in line with the international and national standards.**

Intelligent outsourcing of the entire regulatory assessment process enables NAAs to be more efficient. Using our solution in conjunction with our e-Exams System enhances efficiency even further.

## Benefits to National Aviation Authorities

- NAAs can manage the application process online
- They can respond to queries, assist with applications and process payments through the portal
- No need to collate data as an automated reporting system allows NAAs to access data online
- The system ensures that candidate applications are complete before submission to the NAA

## Benefits for candidates

- Candidates can check licence eligibility and access step-by-step guidance throughout the application process
- Training organisations can manage bulk applications through the organisation portal without the need to involve NAA staff until licence is issued
- When combined with CAAi's e-Exams System, candidates can manage their progress and apply for an exam. A unique "am I ready?" checklist ensures all prerequisites have been met before applying for a licence. This reduces the administrative requirement to check if applications are filled in correctly before processing

**For more information please visit:**

[www.caainternational.com/e-licensing](http://www.caainternational.com/e-licensing)

# Case Study: e-Exams for DCA Malaysia

**When the DCA Malaysia decided to move to an e-Exam model, they called on CAAi.**

## The challenge

Working with an examination process that was entirely paper-based presented the DCA Malaysia with unwieldy administrative processes and lengthy examination marking delays. All candidates answered the same examination questions, making the range of questions artificially narrow. Reporting, when it was attempted, was prolonged and tedious.

This legacy made implementation of an e-Exam System a challenge, even for an organisation as experienced as CAAi. A comprehensive needs analysis was carried out to determine the exact approach we should take.

## Our solution

We used our needs analysis to develop a project timeline with clear goals, deadlines and specifications, all of which were upheld throughout the programme. A preliminary system was designed and built, and an initial question bank was developed to meet UK CAA standards. The question bank was fed directly to a digital examinations model, ensuring each assessment was unique to individual candidates.

CAAi set up examination centres and created greater industry awareness of DCA Malaysia's progress, to encourage increased overall traction. In our final stage of work, we developed user training manuals and provided post-implementation support to guarantee the e-Exam solution met DCA Malaysia's goals.

## The results

Thanks to CAAi's e-Exam System, the DCA Malaysia is now equipped with a modern, scalable regulatory assessment process. It has secured great efficiency gains. Lengthy business processes have been streamlined, and bookings and payments are now completed online, without any need for staff intervention.

Users benefit from an online system that is fast, intuitive and simple to use, and the new question bank – administered and maintained by CAAi – continues to meet UK CAA standards.

**Thanks to CAAi's e-Exam System, DCA Malaysia's reputation has been significantly enhanced.**

*"This was a landmark move for the DCA Malaysia switching to the more convenient CAAi e-Exams"*

Capt. Datuk Yahaya Rahman, DCA Malaysia

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Part of the UK CAA International Group