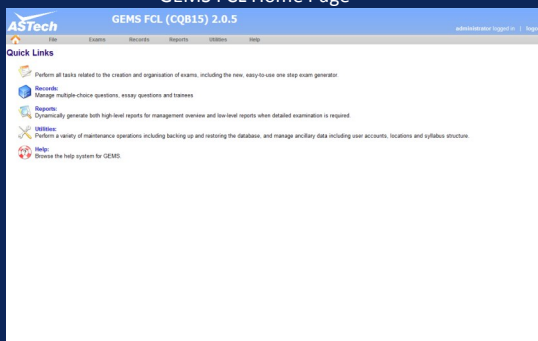


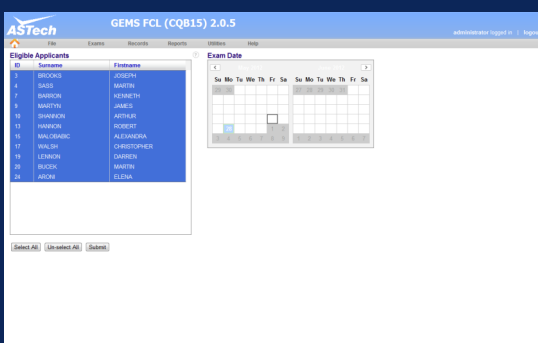
Key Features

- AUTOMATES THE MANAGING OF LICENCE EXAMINATIONS—FROM LICENCE APPLICATION TO ISSUE RESULT LETTERS
- ONLINE STORAGE OF SUPPORTING ANNEX INFORMATION FOR QUESTIONS
- EASY MANAGEMENT OF STUDENT RESULTS AND EXAMINATION PAPERS
- GENERATES STATISTICAL ANALYSES OF RESULTS
- AUTOMATED CORRECTION OF EXAM PAPERS USING OMR

GEMS FCL Home Page



GEMS FCL Calendar



GEMS FCL Publish Exams



GEMS FCL

GEMS FCL is a web application which automates the management of professional pilot licencing examinations for Flight Crew Licences, such as the Instrument Rating (IR), Commercial Pilot Licence (CPL), and Air Transport Pilot Licence (ATPL). A single installation of GEMS FCL can manage examinations for all of these licence types, for both aeroplane and helicopter examinations.

GEMS FCL can be configured to use any version of the EASA question banks. The configured question bank may be browsed by Licence Type, Craft type (aeroplane or helicopter), Licence Type, or topic, or by a combination of these criteria. Annex information associated with the question bank may be stored for easy access from within GEMS FCL.

GEMS FCL generates multiple choice exam papers with randomly chosen questions in accordance with the EASA syllabi for pilot licencing. Automatic correction of exams can be provided with use of the ASTech GEMS OMR product, and exam grading is carried out by GEMS FCL, using the question weighting specified by EASA.

With GEMS FCL it is possible to manage all steps of a student's progress, from application to successful completion of all the required examinations for a pilot's licence. Student records are retained.

Functionality

All functions in GEMS FCL are accessed through an intuitive web interface. Some of the features of GEMS PPL are:

- Web application hosted on customer's corporate intranet
- Compatible with GEMS OMR for automatic correction of exams
- Automatic grading of exams in accordance with EASA specifications regarding question weighting, etc.
- Ability to produce question papers and answer sheets for students, and correct answer sheets and examiner copies of the question paper for examiners
- Extensive analysis and reporting features, including:
 - ◆ Exam Item Analysis
 - ◆ Subject Analysis
 - ◆ Flight School Analysis

Typical Operations

The following are some typical operations in GEMS FCL:

Adding Applicants

Applicants may be added to the GEMS PPL Database at any time. GEMS PPL allows you to store the following details about exam applicants:

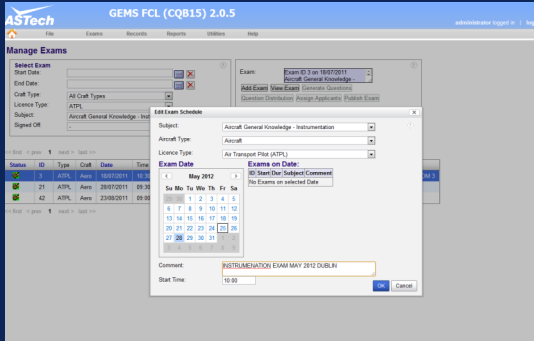
- Their personal details (date of birth, gender, postal address)
- Their licencing number
- Their flight school

Generating Exams

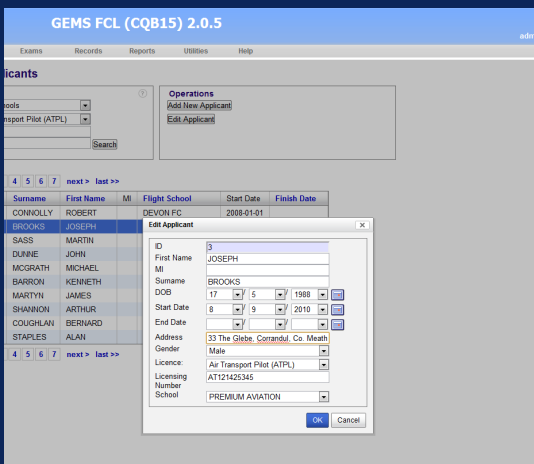
A number of different examination papers are created when an exam is published. These are:

- Student Question Paper
- Student Answer Sheet (An answer sheet in a form which may be used with the GEMS OMR product for automatic correction of papers)
- Correct Answer Sheet for the examiner's use
- Examiner question paper, which contains not only the questions, but also indicates the correct answer and the appropriate weighting to apply to each question

Gems FCL Manage Exams



GEMS FCL Adding Applicants



Generating Results Letters

GEMS FCL can automatically produce letters to applicants advising them of their results in each sitting of an exam. The percentage result and status (pass/fail) is shown for each subject. The exact format of the result letters can be customised by ASTech.

Generating Reports

GEMS PPL can generate a range of statistical reports on candidate and examination performance, including:

- Single Applicant Report
- Single Exam Analysis
- Exam Item Analysis
- Subject Analysis
- Flight School Analysis

Benefits of GEMS FCL

GEMS FCL offers an end-to-end management system for Flight Crew Licence examinations. Once students have been added to the system, they can be added to exams, their papers can be automatically corrected (using the additional GEMS OMR module) and their results can be graded. GEMS FCL automates the issuing of information letters to students, informing them of their results.

Questions are automatically generated and marked according to EASA regulations.

ASTech in the Aviation Industry

Atlantic Simulation & Training Technologies (ASTech) is an internationally trading software company based in Galway, Ireland. The company specializes in products and services for the development and delivery of training and examination systems for industry.

Customers within the aviation industry include Lufthansa Technical Training, SR Technics, Embraer, TAP Portugal, Lufthansa Resource Technical Training, Cargolux, Shannon Aerospace, including.

Other products include GEMS Basic, GEMS Type, GEMS Fundamentals, GEMS OMR, GEMS Online Exam, GEMS Pilot Type and GEMS PPL.

Functionality Overview

GEMS FCL

