Climb Level 4

The personalised, online solution to meeting ICAO English language proficiency requirements

A proposal for:

National Aviation Academy
of Azerbaijan

OVERVIEW

- Acknowledged as leaders in their respective fields of Aviation English training and Speech Recognition technology, Mayflower College and Carnegie Speech have combined their expertise to develop the online assessment and training solution known as Climb Level 4.

- CL4 is designed to enable pilots / controllers to meet the ICAO language proficiency requirements. Through using the latest techniques in Speech Recognition technology it covers all 6 of the language skills required to achieve ICAO level 4 and above (pronunciation, vocabulary, structure (grammar), comprehension, fluency and interactions).

- CL4 is most suitable for pilots / controllers whose level of English is presently ICAO level 3 or 4 and who wish to improve to level ICAO 4 or 5.

- All of the exercises and reference material in Climb Level 4 are aviation-related.

- For all exercises students can choose to receive clues, check their answers or see the correct answers.

- Access to the CL4 programme is limited to 100 hours, spread over either 3, 6 or 9 months.

THE DEVELOPERS

Mayflower College:

•was founded in 1988 and provides English language training for international learners.
•welcomes to the UK approximately 1500 learners per year from 50+ countries.
•has been involved in Aviation English since 1992, providing general and aviation-specific courses to air traffic controllers and pilots (see www.aviation-english.com).
•is the founder of the Test of English for Aviation (T.E.A.) (see www.TEA-test.com).
•was represented on the ICAO PRICESG Linguistic Sub Group.
•was a presenter at the ICAO workshops in Moscow in June 2006 and May 2007.
•was a speaker and moderator at the ICAO Regional Workshop in Paris in September 2006.
•was a speaker at ICAO Aviation Language Symposium in Montreal in May 2007.

Carnegie Speech:

Carnegie Speech is the premier developer of software for assessing and teaching spoken language skills.

Integrating world-class technology and language training expertise into a robust yet intuitive software products, Carnegie Speech's spoken-language training software enables personalized, effective and scalable spoken-English training that maximizes learning effectiveness while minimizing training time.

With global clientele in the Education, Aviation, Government, BPO, Health Care and Publishing sectors, Carnegie Speech provides spoken-language training in over 20-countries.

Industry Leaders

TEST

Before the training programme begins the student is required to take the initial assessment. Another version of this test is also taken at the end of the programme in order to measure overall progress.

The assessment lasts for 45 minutes and contains 140 questions covering listening, grammar and vocabulary. The result is presented as a % as well as an overall ICAO grade.

Grammar and Vocabulary

Question 1

I have been a pilot _____ 1999.

- since
- from
- during
- until

Question 2

We may have some turbulence _____ the flight.

- during
- at
- while
- on

Question 3

We landed _____ Heathrow at 1610.

- at
- from
- in
- on

Question 4

I _____ like to be a supervisor in the future.

- would
- want to
- am
- could

Question 5

RESOURCES

The following resources are available to students:

- Aviation wordbook – 2000 of the most important words needed for ICAO language proficiency. Each word has a sentence putting it in context. Students can search for words by topic, by grammar point, and alphabetically. Students can listen to all the words and sentences in both British and American accents.

  RUNWAY ***The runway at Plymouth airport is only 2000 metres long.***

- My personal aviation wordbook – students can save words / sentences into their personal wordbook. They can edit the sentences, for example translating them into their own language, and 5 different exercise-types can be created automatically to help the student remember the words.

- Dictionary – students can check the meaning of words in the dictionary and hear the pronunciation using the Speaking Pilot feature.

- My personal dictionary – all words that students check are saved into their personal dictionary. They can edit the sentences, for example translating them into their own language, and exercises are created automatically to help the student remember the words.

- Aviation Grammar Reference Book – all of the 49 grammar points taught in the curriculum are explained in the Aviation Grammar Book using only aviation language.

- Speaking Professor – This tool converts the written word into sound. It is even possible to select a male or female voice, British or American accent. This tool is an excellent way for learner's to read and listen simultaneously.

- Pronunciation Training – a dynamic training program that uses the latest in speech recognition technology to help students improve their pronunciation. The pronunciation training begins with an assessment. Students can choose to work through the pronunciation training curriculum systematically or use the "Intelligent Tutor" to prioritise the areas on which the student should concentrate. So for example, a student may not need very much practice in saying the "w" "v" sounds, but a lot of practice in saying the "j" "y" sounds.

Climb Level 4

[Log out] Time remaining: 16:11:49 Expiry Date: 14/09/2011 Days remaining: 0.56 Say-it Write-it

ODEMIR COUTO FILHO

'Speaking Professor' converts text to speech

Climb Level 4 creates an easy to use personalised training programme to prepare you to meet ICAO language proficiency standards and is available at any time wherever you are.

Modules

- 1 - Time, duration, schedules & fuel
- 2 - Health
- 3 - People
- 4 - Weather
- 5 - Technology
- 6 - Aerodromes
- 7 - Cargo, materials & fire
- 8 - Communication
- 9 - Navigation, movement & geography

The 2000 most important words needed to meet ICAO standards

My Training Resources

My Pronunciation Training

- British English
- American English

Aviation Word Book

My Dictionary

My Aviation Grammar

My Speaking Professor

- Female Speaking Professor
- Male Speaking Professor

My Tools

- My Messages
- Frequently Asked Questions (FAQ's)
- My Learning Paths
- ICAO language descriptors
- My Configuration
- Configure Audio
- My Results
- My News
- Help tutorials

CURRICULUM

The curriculum is organised into 9 Modules comprising language that Eurocontrol identified as critical in pilot-controller communication (ICAO document 9835 “Manual on the implementation of the ICAO language proficiency requirements, Appendix B-10):

1. Time, duration, schedules and fuel
2. Health
3. People
4. Weather
5. Technology
6. Aerodromes
7. Cargo, materials and fire
8. Communication
9. Navigation, movement and geography

Each of these modules is divided into 3 units (approx. 3-4 hours each). Each unit contains 4 parts:

a) Grammar exercises
b) Vocabulary exercises
c) Listening exercises
d) Fluency / Interactions exercises

The modules have been designed to reinforce each of the ICAO skills taught. For example, the listening comprehension exercises contain words taught in the vocabulary sections; and the emergencies that the student must resolve in the fluency and interactions sections are similar to those in the listening comprehension.

Climb Level 4

[Log out]

say-it write-it

2 Health

Unit A	Total
Grammar	%
Listening	%
Vocabulary	%
Fluency & Interactions	%

Unit B	Total
Grammar	%
Listening	%
Vocabulary	%
Fluency & Interactions	%

Unit C	Total
Grammar	%
Listening	%
Vocabulary	%
Fluency & Interactions	%

Item	Activity Name	Score
1	Human skeleton a	0%
2	Human skeleton b	0%
3	Human skeleton c	0%
4	Human skeleton 1a	0%
5	Human skeleton 1b	0%
6	Human skeleton 1c	0%
7	Parts of the body - organs	0%
8	Parts of the body - organs 1	0%
9	Human organs a	0%
10	Human organs b	0%
11	Human organs c	0%
12	Human organs d	0%
13	Human organs e	0%
14	Human organs 1a	0%
15	Human organs 1b	0%
16	Human organs 1c	0%
17	Human organs 1d	0%
18	Human organs 1e	0%
19	Parts of the body - bones or organs?	0%
20	Body movement and posture a	0%

GRAMMAR

The grammar content of CL4 is based on a needs analysis of the grammatical points required to reach ICAO level 4 and above. The ICAO descriptors for grammar level 4 say:

"*Basic grammatical structures and sentence patterns are used creatively and are usually well controlled.*"

At level 5

"*Basic grammatical structures and sentence patterns are consistently well controlled. Complex structures are attempted but with errors which sometimes interfere with meaning*."

Climb level 4 gives students extensive practice in both the basic and more complex grammatical structures of the English language. The authors have selected the 49 most important structures and tenses needed to reach ICAO language proficiency.

The grammar exercises are accompanied by a grammar reference book. The exercises are designed to improve students understanding of the form and meaning of a range of structures and tenses; they contain extensive practice in the syntactic features of all the structures taught.

The grammar curriculum is taught using text based exercises and speech recognition based exercises.

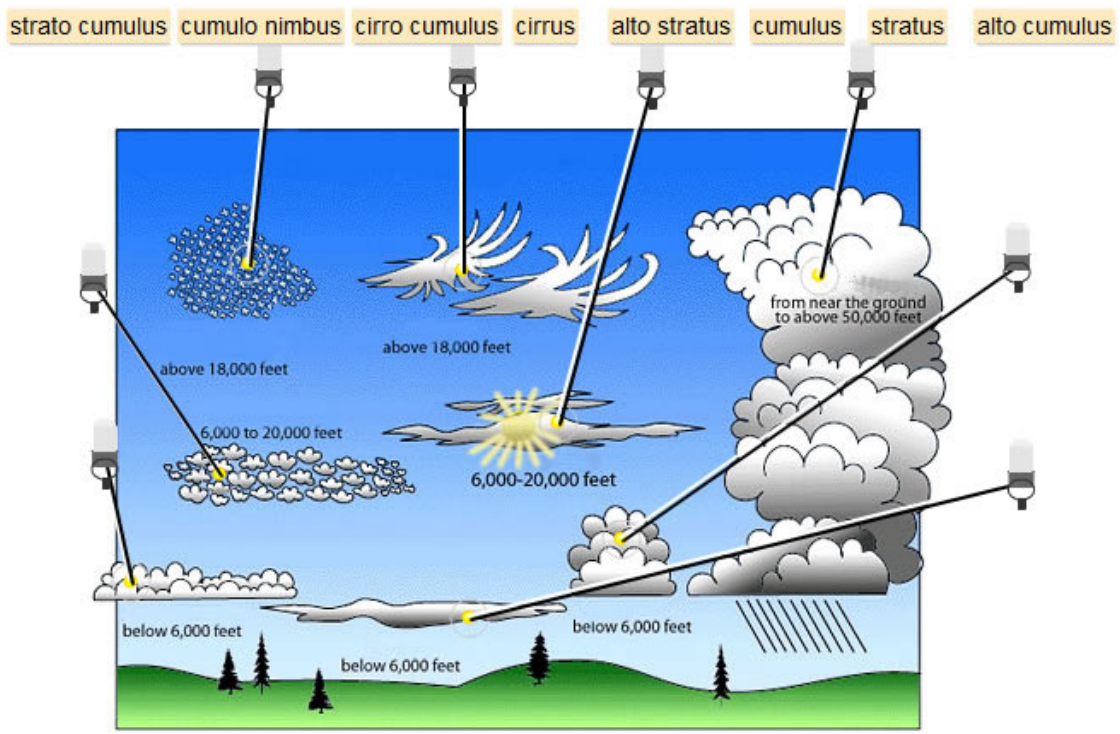
VOCABULARY

The vocabulary curriculum has been designed to help students with word recognition and production, the use of words in context and the correct production of words.

The curriculum is designed so that the lexical items taught are revised several times over to aid language retention. The exercises have been designed to appeal to students with a variety of learning styles.

Language is presented aurally, in text and pictorial form. Students are able to save words they want to revise in the Aviation Word Book. They can translate them into their first language, and annotate the example sentences and definitions.

Screen shot of example vocabulary exercise - the student is required to SPEAK the correct answer



COMPREHENSION

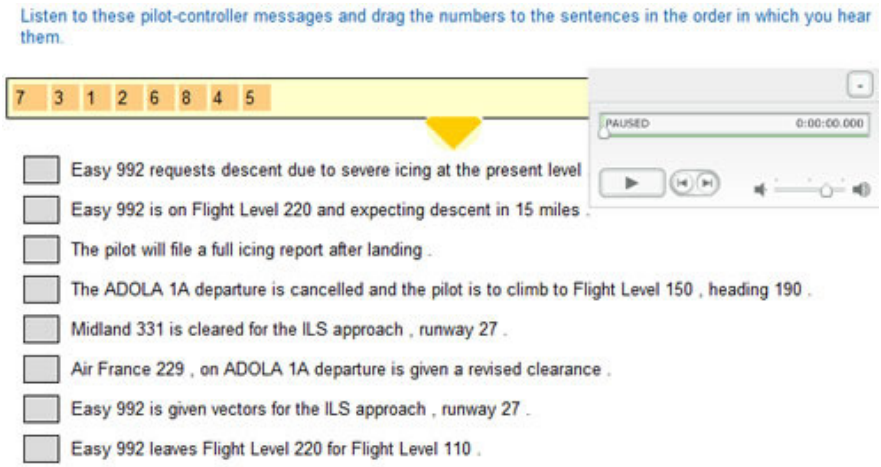
ICAO level 4 requires students to comprehend both routine and non-routine situations. Climb Level 4 provides extensive practice in listening to pilot-controller communications. These have been written by aviation personnel who also have a teaching background and reflect the reality of controlling several aircraft in the same airspace. The listening comprehension texts reflect realistic problems and emergencies.

The curriculum also includes aviation news stories and “Flight School” programs which look at best practice in improving aviation safety.

The comprehension curriculum includes:

- a wide variety of international accents
- concept checking exercises
- the target vocabulary and grammar taught in the curriculum

Screen shot of example comprehension exercise



FLUENCY / INTERACTIONS

ICAO level 4 and above requires students to “produce stretches of language at an appropriate tempo”, and to give “immediate, appropriate and informative” responses to messages. Personnel are also required to deal with misunderstandings by “checking, confirming and clarifying”.

Climb Level 4 has a variety of exercise types to help students improve their fluency and interactions. One major cause of disfluency is pausing to access grammar or vocabulary and so many of the fluency exercises within each module are based on the grammar and vocabulary that is taught in that module. The exercises move from controlled production to freer production. For example, students:

- Read sentences fluently (controlled production)
- Listen to sentences and then repeat them (interactive readback)
- Describe images (free production)

In each of the exercises, the student is given feedback about their pausing and rate of speech

The fluency and interactions curricula also contain a wide variety of international accents.

RESULTS & TRACKING DATA

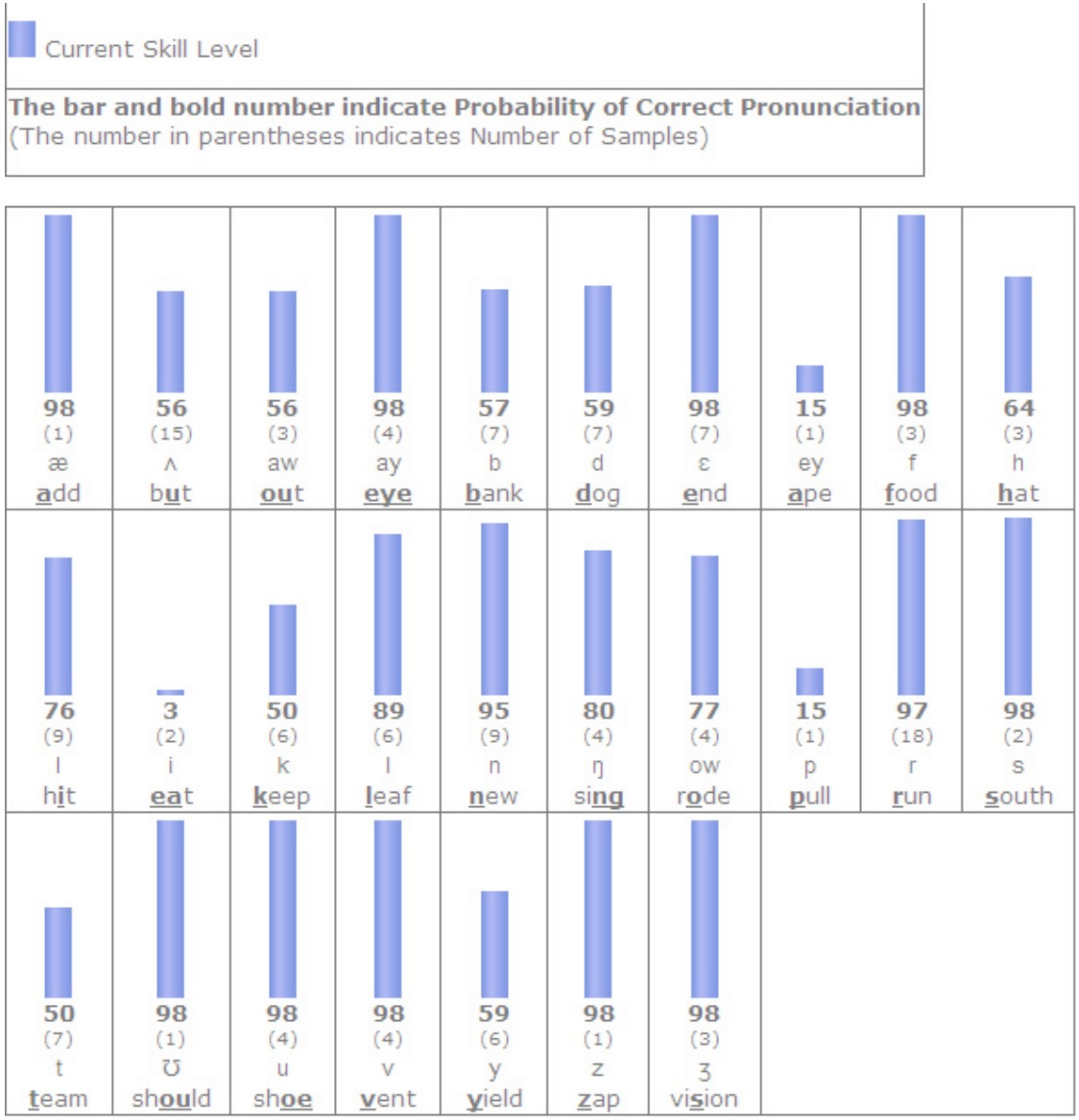
Students are able to see:

- Date and time of connections to the programme
- Duration of each session
- Total time spent using the programme
- Results for each exercises
- Results for each unit
- Results for each module
- Results for initial and exit assessment

This information can also be made available to a corporate customer's management through the use of an "administrator's" password (data both by individual students and / or by group of students).

All this data can be printed and / or exported in "csv" format (to Excel, for example).

Screen shot of example pronunciation report



Climb Level 4

Sessions Results

Data can be printed or exported in csv format (eg to Excel)

name of student

Laura Dickey, you have connected 5 times, called 4 exercises and connected for 02:35:20

dtate and time using the programme

Date	Time	Call	Duration hh:mm:ss
21/07/2008	12:51	session	00:05:28
24/07/2008	16:49	session	02:26:02
24/07/2008	18:19	session	00:01:30
24/07/2008	18:20	session	00:02:05
30/07/2008	14:20	session	=>00:00:15
		Total time:	02:35:20

time spent using the programme

Climb Level 4

Sessions Results

Laura Dickey, you have connected 5 time(s), called 4 exercise(s) and connected for 02:36:35

% = score X = incorrect ? = hints Ø = not answered

Date	Time	Call	Title	Type	Duration mm:ss	%	X	?	Ø
21/07/2008	12:55	result	Health - problems	custvocabdef	01:15	100	0	0	0
21/07/2008	12:57	result	Hospital vocabulary 2	custvocabdef	00:05	0	0	0	100
24/07/2008	16:49	result	GA Recommending 2	custsentconv	00:01	0	0	0	100
24/07/2008	16:50	result	GA Quantifiers - enough, too 1	custsentconv	144:49	40	0	0	60

time spent on each exercise

CERTIFICATE

Certificate of Achievement

Climb Level 4

Sergio Ramirez

Skill	Score (for the exercises completed)	Time Spent (hh:mm:sec)	% of curriculum completed
Grammar	96%	15:22:03	35%
Listening	89%	26:28:12	69%
Vocabulary	91%	25:02:55	76%
Fluency / Interactions	76%	12:24:00	25%

Skill	Best Assessment Score (%)	Time Spent (hh:mm:sec)	% of Intelligent Tutor curriculum completed
Pronunciation	66%	17:24:00	36%

Assessment	Score (%)	Score (ICAO Level)
Initial assessment	66%	ICAO 3-4
Final assessment	76%	ICAO 4+

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Paul STEVENS
Director, Mayflower College

Angela C Kennedy
Angela KENNEDY
CEO, Carnegie Speech

15 August 2011

At the end of the course each student will receive an electronic certificate which summarises the results and the time spent using Climb Level 4.

TECHNICAL REQUIREMENTS

Generally speaking, if your computer is relatively new then you should have no problems using Climb Level 4 .

Web browsers

• Microsoft Internet Explorer, versions 6 or higher
• Opera, versions 8 or higher
• Mozilla Firefox 2 or higher

Plug-ins

• Macromedia Flash Player 6 or higher (a free download)

Internet Connection (check your speed at www.speedtest.org)

• Minimum: 300kb / second
• Ideal: 1mb / second

Sound

• 16 bit Sound Card
• Headset with microphone

Screen

• Resolution: minimum 1024 x 768
• Colours: minimum 16 bit-Density

PRICES

Programs / Prices

CL4 Shuttle: This program lasts for **5 hours** (spread over a **1-week** period) and includes one initial assessment and then access to the training program.

CL4 Short-Haul: This program lasts for **100 hours** spread over a **3-month** period - this means an average commitment of about 8 hours per week. CL4 Short-Haul includes the personal training program and two assessments: one at the beginning and another to check progress at the end.

CL4 Long-Haul: This program lasts for **100 hours** spread over a **6-month** period - this means an average commitment of about 4 hours per week. CL4 Long-Haul includes the personal training program and two assessments: one at the beginning and another to check progress at the end.

CL4 Stopover: This program lasts for **100 hours** spread over a **9-month** period - this means an average commitment of about 4 hours per week. CL4 Long-Haul includes the personal training program and two assessments: one at the beginning and another to check progress at the end.

	Normal Prices	Special prices for National Aviation Academy of Azerbaijan
CL4 Shuttle	USD 55	USD 48
CL4 Short-Haul	USD 435	USD 356
CL4 Long-Haul	USD 600	USD 491
CL4 Stopover	USD 710	USD 581