



# ICAEA Test Design Guidelines

## Session 8

### Criterion 4:

**Test instruments need to comprise distinct sections with a range of appropriate test task types.**

INTERNATIONAL CIVIL AVIATION ENGLISH ASSOCIATION

*supporting the use of English for aviation safety*

**1. Test instruments need to comprise distinct sections with a range of appropriate test task types. What does this mean?**

**2. What would a test instrument look like that doesn't comprise distinct sections with a range of appropriate test task types?**

**3. What is the problem if a test instrument doesn't comprise distinct sections with a range of appropriate test task types?**



### 3. What is the problem if a test instrument doesn't comprise distinct sections with a range of appropriate test task types?

How does this criterion relate to:

- a) fairness?
- b) validity?

# Activity 4.1

Would a listening test that comprises this format be suitable as an LPR test?

Listening test		
	Input	Task type
Part 1	5 min radiotelephony recording (routine situations)	10 multiple choice items (sentence complete)
Part 2	5 min radiotelephony recording (non-routine situations)	10 multiple choice items (sentence complete)
Part 3	5 min radiotelephony recording (non-routine situations)	10 multiple choice items (sentence complete)

# Activity 4.1

Is this type of task suitable for assessing comprehension?

**Part 1:** Listen to a short recording and choose best option to complete each statement.

1.	The pilots requested departure from a) The full length of Runway 23L b) Taxiway B intersection, Runway 23L c) Taxiway M intersection, Runway 23L d) Taxiway M intersection, Runway 23R	6.	Because of the turbulence Omega 873 requested a) left heading b) right heading c) climb d) descent
2.	After reaching 2000 feet, the pilots a) requested FL120 b) requested FL220 c) heading 120 d) heading 220	7.	When the pilots reported passing FL 110, ATC instructed Omega 873 to a) speed up their climb b) stop their climb c) climb to FL 220 d) turn right heading 220
3.	ATC advised Omega 873 there was traffic a) climbing from the left b) descending from the left c) climbing from the right d) descending from the right	8.	Omega 873 advised ATC they a) had problems with their radio b) could not contact the next ATC sector c) could not hear ATC d) had weather radar problems
4.	The departure frequency for was a) 119.370 b) 120.375 c) 122.450 d) 125.375	9.	ATC advised Omega 873 to a) reset some equipment b) turn on some equipment c) fix some equipment d) use another type of equipment
5.	Omega 873 reported a) mild turbulence at 7000 feet b) light turbulence at 5500 feet c) severe turbulence at 7000 feet d) moderate turbulence at 5500 feet	10.	After reaching FL 220 Omega 873 requested climb to a) FL 280 b) FL 290 c) FL 330 d) FL 350

# Activity 4.1

Would a listening test that comprises this format be suitable as an LPR test?

**Part 2:** Listen to a short recording and choose best option to complete each statement.

1.	The pilots received an indication that a) part of their landing gear was not locked down. b) the right main gear was not locked down. c) the left main gear was not locked down. d) the nose gear was not locked down.
2.	The aircraft was carrying a) 79 people. b) 179 people. c) 279 people. d) 379 people.
3.	The pilots requested a low pass 500 feet a) above the runway. b) from the tower. c) over the field. d) above tower.
4.	ATC advised the pilots that a) all the gear seem to be ok. b) all the gear were locked down c) the right gear was not locked down. d) at least one part of the gear was not locked down.
5.	The pilots advised after landing they would a) vacate the runway then need a tow. b) need assistance to lock down the gear then a tow. c) be ok so could taxi, but may need a tow on standby. d) need assistance to lock down the landing gear then vacate the runway.



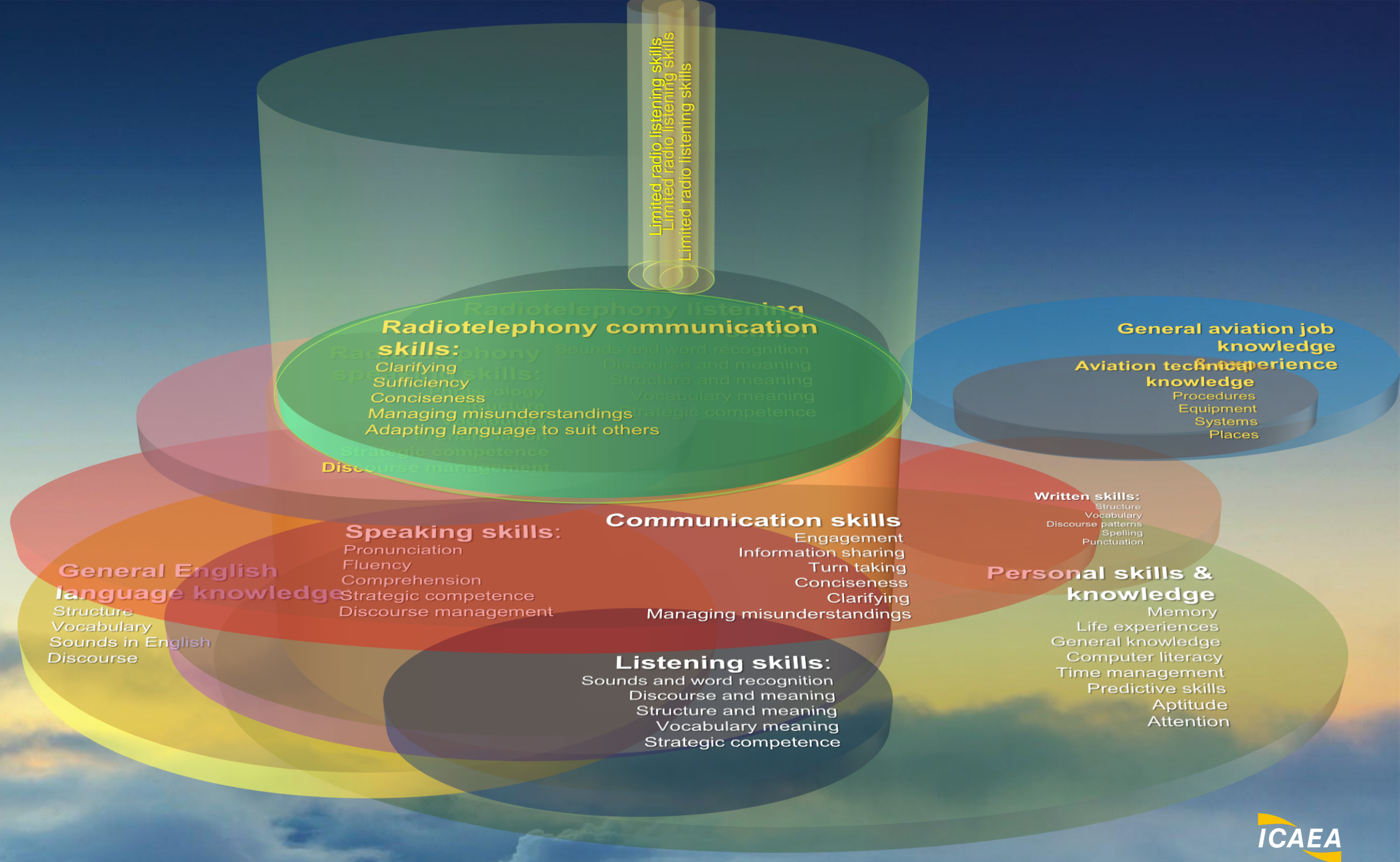


# Activity 4.1

Would a listening test that comprises this format be suitable as an LPR test?

## Discussion

1. Does the recording represent the domain effectively?
2. Would a test that comprises this format in all parts of the listening test be suitable as an LPR test?



# Activity 4.2

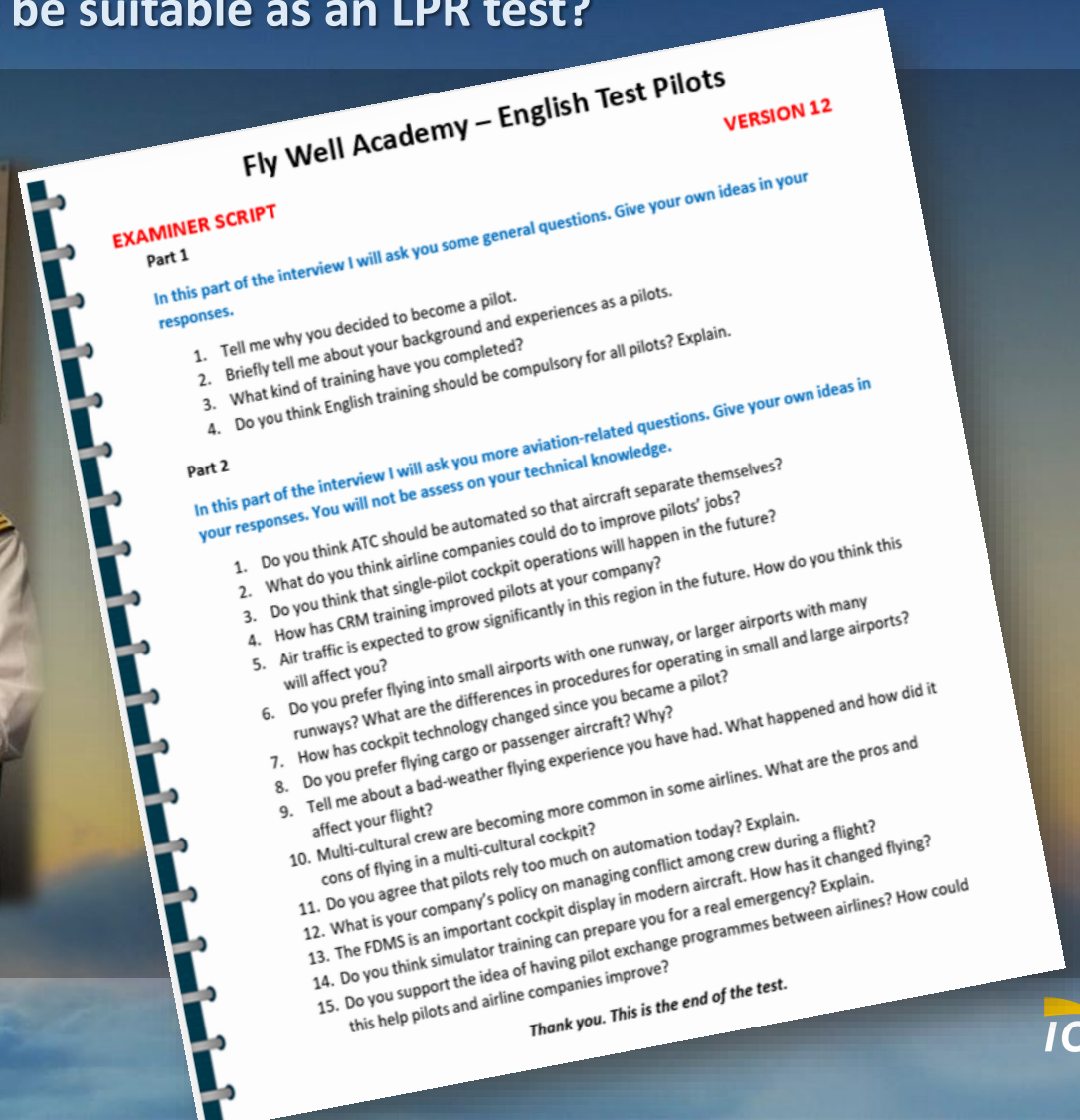
Would a speaking test that comprises this format be suitable as an LPR test?

Speaking test		
	Input	Task type
Part 1	5 general questions asked by an interlocutor	Listen to each question and respond.
Part 2	15 work-related questions asked by an interlocutor	Listen to each question and respond.



# Activity 4.2

Would a speaking test that comprises this format be suitable as an LPR test?





# Activity 4.2

**Would a speaking test that comprises this format be suitable as an LPR test?**

## Discussion

1. What type of speech does the test taker produce when they do this task?
2. What type of language does this speaking test assess?
3. Does the task produce a sufficient sample of the test takers' ability to communicate across the language domain?
4. Look back at the ICAO LPR Test– skills and knowledge assessed, on page 42. What skills and knowledge does this task assess?
5. Would this be effective as a complete speaking test?

Some General English Speaking skills

### General English language knowledge

Structure  
Vocabulary  
Sounds in English  
Discourse

**Speaking skills:**  
Pronunciation  
Fluency  
Comprehension  
Strategic competence  
Discourse management

**Communication skills**  
Engagement  
Information sharing  
Turn taking  
Conciseness  
Clarifying  
Managing misunderstandings

**Listening skills:**  
Sounds and word recognition  
Discourse and meaning  
Structure and meaning  
Vocabulary meaning  
Strategic competence

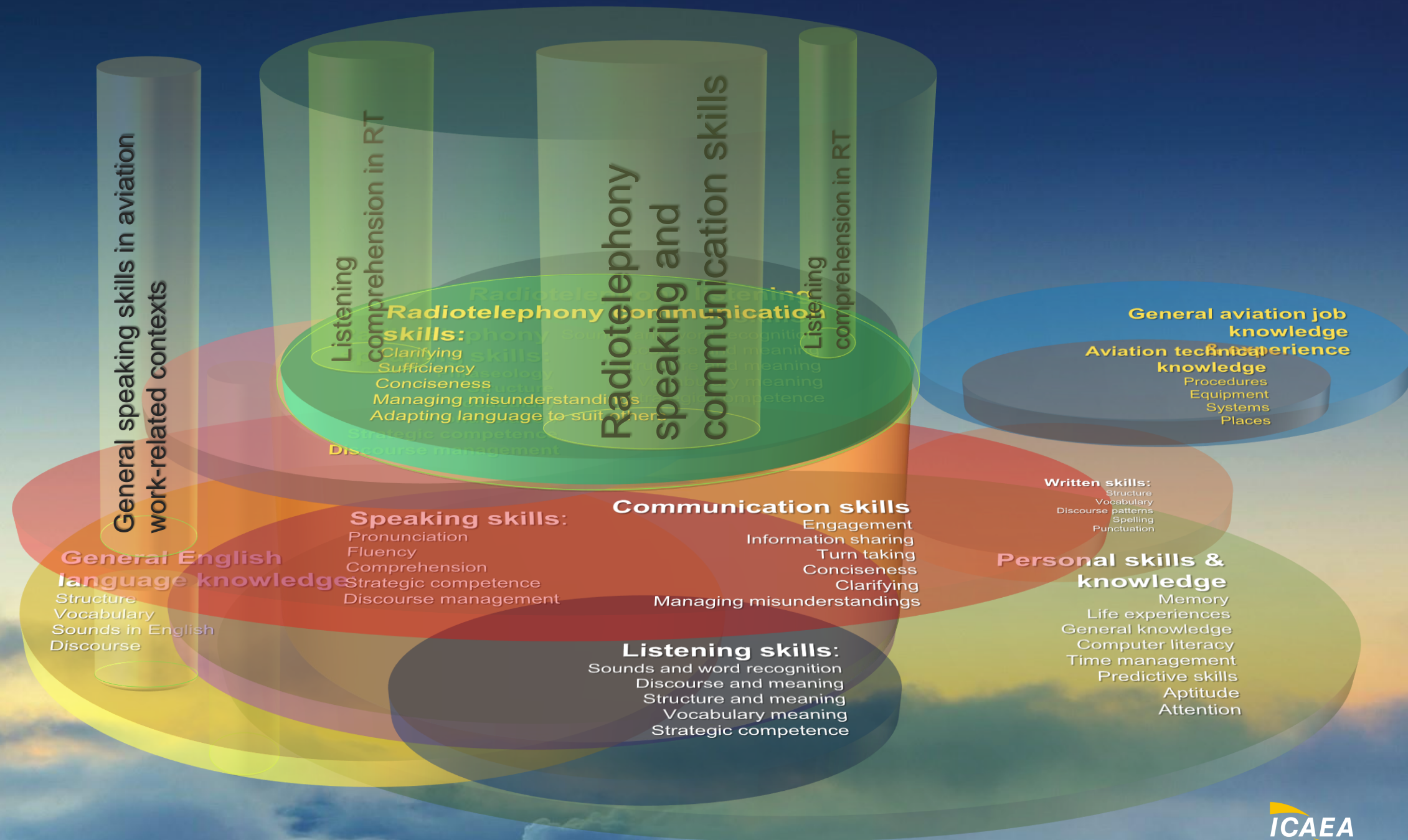
**Radiotelephony listening**  
**Radiotelephony communication skills:**  
Clarifying  
Sufficiency  
Conciseness  
Managing misunderstandings  
Adapting language to suit others  
Strategic competence  
Discourse management

**General aviation job knowledge**  
**Aviation technical knowledge**  
Procedures  
Equipment  
Systems  
Places

**Written skills:**  
Structure  
Vocabulary  
Discourse patterns  
Spelling  
Punctuation

**Personal skills & knowledge**  
Memory  
Life experiences  
General knowledge  
Computer literacy  
Time management  
Predictive skills  
Aptitude  
Attention





# Criterion 4: Checklist

- ☐ Does each part of both the speaking and listening test comprise a number of different sections/parts that assess a range of language and communication skills?
- ☐ Does each part of the test use different types of content (e.g. radiotelephony communication in routine situations, non-routine situations, plain English in work-related aviation contexts, etc)?
- ☐ Are appropriate task types used throughout the test (e.g. not just multiple choice questions in the listening test)?
- ☐ Does each part of the speaking test use different task types to assess different skills in different contexts (e.g. role-plays in radiotelephony communications, plain English in work-related aviation contexts, etc)?