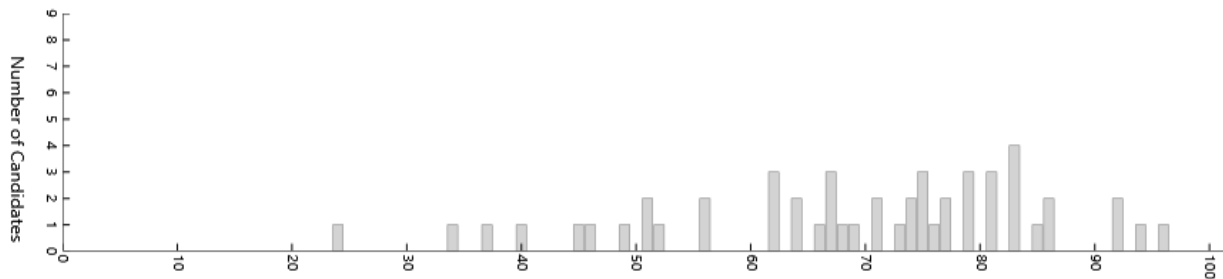




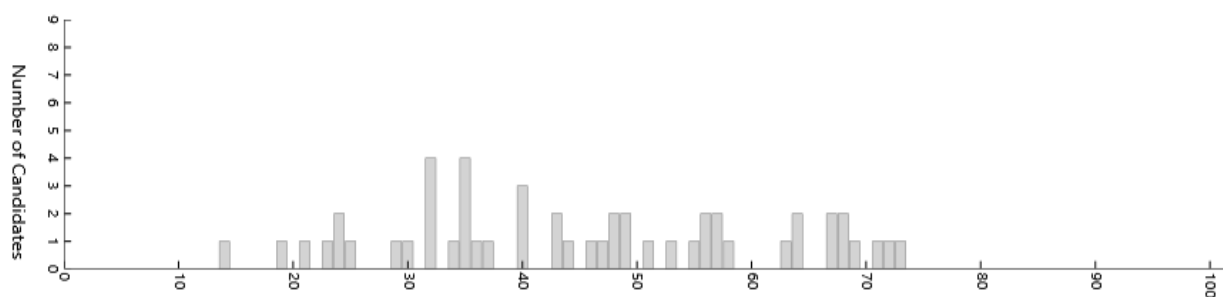
## Summary report of the 2016 ATAR course examination: Aviation

Year	Number who sat all examination components	Number of absentees from all examination components
2016	50	1

### Examination score distribution–Practical



### Examination score distribution–Written



### Summary

The Aviation ATAR course was examined externally in two parts: a practical examination of 20 minutes and a written examination of two and a half hours.

#### Practical examination

The practical examination comprised of a series of flying sequences conducted on a computer-based flight simulator. Scores ranged from 95.71% to 23.66% with a mean of 69.00%.

Section means were:

Take-off and climb	Mean 19.03(/25)	Max 25.00	Min 6.82
In-flight manoeuvres (turns, stall)	Mean 25.05(/35)	Max 35.00	Min 6.56
Use and interpretation of navigation aids	Mean 9.16(/15)	Max 12.86	Min 2.14
Descent and landing	Mean 15.76(/25)	Max 25.00	Min 3.85

#### Written examination

The mean for the written paper was 45.94% and scores ranged from 72.80% to 14.31%.

Section means were:

Section One: Multiple-choice	Mean 8.18(/20)	Max 14.00	Min 2.00
Section Two: Short answer	Mean 37.11(/80)	Max 58.80	Min 12.31

## General comments

While the practical assessment of this course showed that many candidates have a good understanding of procedures associated with flight as per the ‘Standard Operating Procedures’ (SOP), the written examination showed that many candidates did not effectively communicate their responses to the depth required.

## Practical examination

### Advice for candidates

- Study all areas of the SOP.

### Advice for teachers

- Provide students with frequent opportunities to practise the content and to understand the SOP.

## Written examination

### Advice for candidates

- Written assessments have changed nominally in content and style over the years and you need to review previous examination papers as part of your preparation.

### Advice for teachers

- Provide students with opportunities to practise previous WACE Aviation Stage 3 examinations (available on the Authority website).

## Comments on specific sections and questions

### Practical examination

The skills displayed by the majority of candidates, on the computer-based flight simulator were high. However, there were a few candidates that did not appear to know the content of, or understand, the SOP.

### Take-off and climb

Attempted by 51 candidates    Mean 8.37(/11)    Max 11    Min 3

Candidate achievement across this section was good, demonstrating a high level of competency and knowledge of procedures.

### In-flight manoeuvres (turns, stall)

Attempted by 51 candidates    Mean 11.45(/16)    Max 16    Min 3

The candidates were well prepared for this section. The difficult manoeuvres like the stall and the 60° angle of bank turn were, on average, well performed.

### Use and interpretation of navigation aids

Attempted by 51 candidates    Mean 4.27(/7)    Max 6    Min 1

Automatic direction finder (ADF) homing and interpretation was performed well but many candidates had difficulty interpreting the instrument landing system (ILS) indication.

### Descent and landing

Attempted by 51 candidates    Mean 8.20(/13)    Max 13    Min 2

Performance in this section was varied. Approaches and landings were well performed.

Areas of improvement for many candidates include:

- maintaining slow speed level flight with or without flaps extended
- braking as soon as practical on the runway
- holding attitude while speed decreases before entry into the glide.

## Written examination

### Section One: Multiple-choice

Attempted by 51 candidates

Mean 8.18(/20)

Max 14.00

Min 2.00

This section was done poorly with a mean of 40.88%. The most difficult questions being 4, 7, 9, 11, 14, 17 and 19 with means equal to or below 0.31 and the easiest being questions 5 and 6 with means of 0.78 and 0.75.

### Section Two: Short answer

Attempted by 51 candidates

Mean 37.11(/80)

Max 58.80

Min 12.31

While this section is well scaffolded to allow candidates to show their understanding of the Aviation ATAR course, it seems that many candidates do not have the expected knowledge to answer the questions presented. Many standard questions in the examination did challenge too many students and this is a major concern.