



DOCUMENT
GSM-EL-PS1.054

DOCUMENT TITLE
PRE-SOLO SELF STUDY 1

CHAPTER 3 – ATIS

Version 3.5
January 2018

This is a controlled document. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form, or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior permission, in writing, from the Chief Executive Officer of Flight Training Adelaide.

CONTENTS	PAGE
ATIS	3
The runway in use (The 'Duty' Runway)	3
Frequencies:	3
The wind direction and speed.....	3
Visibility	3
The amount of cloud at each level.....	3
CAVOK	4
Temperature	4
The QNH.....	4
Any unusual information or warnings.....	5
ATIS Listening practice 1 (ATIS 07)	7
Parafield ATIS VOCABULARY	12
ATIS Listening practice 2 (ATIS 08) Answers.....	14

ATIS

The ATIS or Automatic Terminal Information Service describes the conditions at an airport. The Parafield ATIS will contain the following information.

THE RUNWAY IN USE (THE 'DUTY' RUNWAY)

Which runway to use for arrivals and departures? (Also whether to use runway left or runway right)

The runway direction is expressed in degrees, and it is the direction the runway is running TOWARDS.

Only the first two numbers of a three number direction are used. ($270^\circ = 27$)

FREQUENCIES:

The correct airborne radio frequencies to use (118.7 or 124.6)

THE WIND DIRECTION AND SPEED

The wind direction is expressed in degrees. If the wind was $360^\circ / 20$ knots, then there would be a 20 knot wind blowing FROM the north. A wind of 270° would be a westerly, as in the diagram below.

The wind speed is expressed on the ATIS in Knots. One knot equals one nautical mile per hour or 6080 feet per hour.



VISIBILITY

Visibility is expressed either in Km or metres. Visibility less than 5 Km is expressed in metres. Greater than this it is expressed in Kms. Visibility can be reduced due to rain, showers, mist, fog etc.

THE AMOUNT OF CLOUD AT EACH LEVEL

There may be several different levels of cloud at any one time. The lowest layer is described first, then the next layer. Cloud is described using the following words

SKC (SKY CLEAR)	NO CLOUD
FEW	1-2 oktas of cloud
SCT (Scattered)	3-4 oktas of cloud
BKN (Broken)	5-7 oktas of cloud
OVC (Overcast)	8 oktas of cloud

One Okta equals one eighth. One Okta of cloud means that approximately 1/8th of the sky is covered with cloud.

CAVOK

CAVOK is included in the report when the following conditions are observed:

Visibility is greater than 10 kilometres.

Nil significant cloud that is no cloud below 5000 feet

No cumulonimbus or towering cumulus.

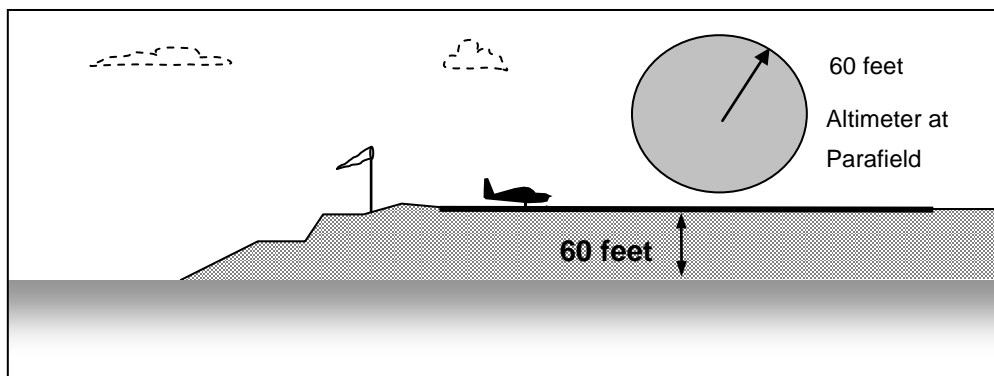
Nil significant weather

When the term CAVOK is given the elements visibility, weather and cloud will not be given.

TEMPERATURE**THE QNH**

The QNH is the atmospheric pressure at the airport at the time the ATIS was recorded in hectopascals.

If we set the QNH on the altimeter at Parafield it should read 60 feet, which is the height of Parafield airport amsl (above mean sea level).



ANY UNUSUAL INFORMATION OR WARNINGS

Examples:

- Crosswind on the runway
- Turbulence reported in the circuit
- Crosswind circuits being practiced on another runway
- Large flocks of birds seen in the vicinity of runways or taxiways
- Dust devils in the area
- Reduced visibility
- Warnings of severe weather

Note:

The ATIS will be upgraded through the day as the conditions change.
The ATIS frequency is 120.9 at Parafield Aerodrome.

If you tune the ATIS frequency (120.9 at Parafield) and there is no ATIS broadcast, the controllers are possibly in the process of making a new ATIS, because the weather conditions have changed.

Give your normal radio call and add the words 'with negative ATIS'.

Example

"Parafield Tower Tango Golf Mike, Grob, Outer Harbor, 1500, inbound with negative ATIS"

The controller will then tell you the new weather conditions and if the runway in use has changed, he/she will tell you which runway to use.

LANGUAGE OF THE PARAFIELD ATIS

The following are examples of the more unusual weather or operations which may be described on the ATIS:

Cumulo-nimbus in area
 Cloud, stratus on the ranges
 Cloud, few 1500 with lower patches
 Maximum crosswind up to 12 knots
 Wind light north westerly
 Wind, light easterly
 Wind light and variable
 Airport warning current till 1200 Zulu, with thunderstorms and gusts up to 45 knots
 Light showers and rain in area
 Conditions hazy
 Moderate turbulence forecast below 6000 feet.
 Rain in area
 Light showers and rain in area
 Showers in area
 Forecast moderate turbulence below 5000
 Visibility reduced to 4000 metres in passing showers
 Visibility reduced to 4000 metres in rain
 Visibility reduced to the west in mist
 Visibility reduced to 4000 metres to the west in mist
 Visibility reducing to 2000 metres in fog
 Displaced threshold runway 21 left, refer to NOTAM
 Parachute jumping in progress at Lower light
 Start clearance required for all operations
 A crane operating up to 150 feet
 There are crosswind circuits in operation runway 08 left
 Caution, wake turbulence
 Caution there's a crane operating up to 150 feet, north east of the field.
 Parafield is non VMC
 Restricted VFR operations. Start approval required
 Dust devils in area
 Slight (Light) to moderate turbulence reported in the circuit area.
 Large numbers of birds in the vicinity of runways and taxiways
 Expect instrument approach

There is a recording giving examples of this type of information. Make sure you can understand the information.

ATIS LISTENING PRACTICE 1 (ATIS 07)

I suggest you read the following 15 ATIS first to understand the language. Then listen and write down the ATIS in your listening workbook.

Check your answers and listen again to any information you didn't get right.

1.

Parafield Terminal Information Foxtrot

Runway 21

Arrivals and departures east, single engine circuits 21 left, tower frequency 124.6

Arrivals and departures west, multi-engine circuits 21 right, tower frequency 118.7

Wind 220 degrees, 12 knots

Visibility reducing to 8 km in passing showers

Temperature 18

QNH 1011

Parafield Terminal Information Foxtrot

2.

Parafield Terminal Information Delta

Runway 21

Arrivals and departures east, single engine circuits runway 21 left, tower frequency 124.6

Arrivals and departures west, multi-engine circuits runway 21 right, frequency 118.7

Wind 120 - 210 degrees, 5-15 knots

Crosswind up to 12 knots

Visibility greater than 10 km

Cloud few 4000

Temperature 23

QNH 1022

Parafield Terminal Information Delta

3.

Parafield Terminal Information Golf

Runway 03

Arrivals and departures east and single engine circuits runway 03 right frequency 124.6

Arrivals and departures west and multi-engine circuits runway 03 left, frequency 118.7

Wind A light north westerly

Visibility greater than 10 km

Cumulo nimbus in area

Light showers and rain in area

QNH 1008

Parafield Terminal Information Golf

4.

Parafield Terminal Information Bravo

Runway 26

Arrivals and departures south and single engine circuits use 26 left, frequency 124.6

Arrivals and departures north and multi-engine circuits use 26 right, frequency 118.7

Wind, 300 degrees, minimum 15 maximum 28 knots

Crosswind up to 16 knots

Visibility reduced to 4000 metres in passing showers

Cloud Broken, 2500

QNH 1002

Parafield Terminal Information Bravo

5.

Parafield Terminal Information Echo

Runway 21

Arrivals and departures east, single engine circuits runway 21 left, frequency 124.6

Arrivals and departures west, multi-engine circuits runway 21 right, frequency 118.7

Wind, 230 degrees, 8 knots

CAVOK

Temperature 25

QNH 1022

Parafield Terminal Information Echo

6.

Parafield Terminal Information Bravo

Runway 21

Arrivals and departures east and single engine circuits use runway 21 left, frequency 124.6

Arrivals and departures west and multi-engine circuits use runway 21 right, frequency 118.7

Wind, 210 degrees, 10 knots

CAVOK

Temperature 30

QNH 1019

Parafield Terminal Information Bravo

7.

Parafield Terminal Information Charlie

Runway 21

Arrivals and departures east and single engine circuits use runway 21 left, frequency 124.6

Arrivals and departures west and multi-engine circuits use runway 21 right, frequency 118.7

Wind, 260 degrees, 8 knots

Crosswind 8 knots

CAVOK

Temperature 31

QNH 1018

Parafield Terminal Information Charlie

8.

Parafield Terminal Information Echo

Runway 03

Arrivals and departures east and single engine circuits runway 03 right, frequency 124.6

Arrivals and departures west and multi-engine circuits runway 03 left, frequency 118.7

Wind, 330 degrees, 20-30 knots

Maximum crosswind 25 knots

CAVOK

Temperature 33

QNH 1019

Conditions hazy

Parafield Terminal Information Echo

9.

Parafield Terminal Information Alpha

All operations use runway 03 left, Tower frequency 118.7

Restricted VFR operations

Start approval required

Wind, 330 degrees, 5 knots

Visibility reducing to 2000 metres in fog

Temperature 12

QNH 1020

Parafield Terminal Information Alpha

10.

Parafield Terminal Information Bravo

Runway 03

Arrivals and departures east and single engine circuits use runway 03 right, tower frequency 124.6

Arrivals and departures west and multi-engine circuits use runway 03 left, tower frequency 118.7

Restricted VFR operations

Start approval required

Wind, 360 degrees, 8 knots

Visibility reduced to 4000 metres in fog

Cloud broken 400

Temperature 12

QNH 1021

Parafield Terminal Information Bravo

11.

Parafield Terminal Information Echo

Runway 21

Arrivals and departures east, single engine circuits 21 left, Tower frequency 124.6

Arrivals and departures west, multi-engine circuits 21 right, Tower frequency 118.7

Wind, 250 degrees, 8 knots

Crosswind maximum 8 knots

Visibility greater than 10 km

Cloud, few at 900, scattered 1500

Temperature 14

QNH 1020

Parafield Terminal Information Echo

12.

Parafield Terminal Information Foxtrot

Runway 21

Arrivals and departures east and single engine circuits runway 21 left, frequency 124.6

Arrivals and departures west and multi-engine circuits use runway 21 right, frequency 118.7

Wind, 240 degrees, 12

Crosswind maximum 10 knots

Visibility greater than 10 kilometres

Cloud, Scattered 3000

Temperature 16

QNH 1019

Parafield Terminal Information Foxtrot

13.

Parafield Terminal Information Charlie

Runway 21

Arrivals and departures east and single engine circuits use runway 21 left, Tower frequency 124.6

Arrivals and departures west and multi-engine circuits use runway 21 right, Tower frequency 118.7

Wind, 240 degrees, 5 knots

CAVOK

Temperature 17

QNH 1028

Parafield Terminal Information Charlie

14.

Parafield Terminal Information Echo

Runway 03

Arrivals and departures east and single engine circuits 03 right, frequency 124.6

Arrivals and departures west and multi-engine circuits 03 left, frequency 118.7

Wind, Variable 5 knots

CAVOK

Temperature 17

QNH 1028

Parafield Terminal Information Echo

15.

Parafield Terminal Information Golf

Runway 21

Arrivals and departures east and single engine circuits 21 left, frequency 124.6

Arrivals and departures west and multi-engine circuits 21 right, frequency 118.7

Wind, 280 degrees, 6 knots

CAVOK

Temperature 19

QNH 1025

Parafield Terminal Information Golf

PARAFIELD ATIS VOCABULARY

Look at the following words and phrases and match the definitions to these words.

CAVOK	1
Patches	
Reduced	
Light and variable	
Duty runway	
Showers	
Turbulence	
Crosswind	
Start Clearance	
Parafield is non VMC	
Undershoot	
Restricted VFR operations	

1	Visibility is more than 10 km and no cloud below 5000 feet
2	The runway nominated on the ATIS
3	The amount of wind blowing across the runway
4	Airport closed for visual flying, due bad weather
5	A light wind from no fixed direction
6	The area of a runway you fly over on landing
7	Small areas of cloud
8	Rough air often qualified with the words light, moderate or severe
9	Decreased / Made less.
10	Flight allowed by the controllers in marginal VFR conditions.
11	You need permission to start your engine if your intention is to do circuits. It may be too busy.
12	Rain then sunshine then rain then sunshine

PARAFIELD ATIS VOCABULARY: ANSWERS

CAVOK	1
Patches	7
Reduced	9
Light and variable	5
Duty runway	2
Showers	12
Turbulence	8
Crosswind	3
Start Clearance	11
Parafield is non VMC	4
Undershoot	6
Restricted VFR operations	10

1	Visibility is more than 10 km and no cloud below 5000 feet
2	The runway nominated on the ATIS
3	The amount of wind blowing across the runway
4	Airport closed for visual flying, due bad weather
5	A light wind from no fixed direction
6	The area of a runway you fly over on landing
7	Small areas of cloud
8	Rough air often qualified with the words light, moderate or severe
9	Decreased / Made less.
10	Flight allowed by the controllers in marginal VFR conditions.
11	You need permission to start your engine if your intention is to do circuits. It may be too busy.
12	Rain then sunshine then rain then sunshine

ATIS LISTENING PRACTICE 2 (ATIS 08) ANSWERS

Listen to these 16 ATIS and write them down in your listening workbook. Check your answers when you have finished and listen again to any mistakes or omissions.

1.

Parafield Terminal Information Alpha

Runway 08

Arrivals and departures south, single engine circuits 08 right, frequency 124.6

Arrivals and departures north, multi-engine circuits 08 left, frequency 118.7

Wind 070, 15 knots

CAVOK

Temperature 20

QNH 1018

Parafield Terminal Information Alpha

2.

Parafield Terminal Information Bravo

Runway 21

Arrivals and departures east and single engine circuits use runway 21 left, tower frequency 124.6

Arrivals and departure west and multi-engine circuits use runway 21 right, tower frequency 118.7

Wind 230 degrees, 15 knots to 25 knots

Crosswind up to 15 knots

Visibility reducing to 8 Kms in showers

Cloud few 1500, Scattered 2500

Temperature 12

QNH 1012

Parafield Terminal Information Bravo

3

Parafield Terminal Information Delta

Runway 26

Arrivals and departures south and single engine circuits use runway 26 left, tower frequency 124.6

Arrivals and departures north and multi-engine circuits use runway 26 right, tower frequency 118.7

Wind 240 degrees 20 knots Gusting 32 knots

Crosswind up to 12 knots

Visibility greater than 10 km

Showers in area

Cloud, broken 3000

Temperature 17

QNH 1014

Parafield Terminal Information Delta

4.

Parafield Terminal Information Bravo

Runway 26

Arrivals and departures south and single engine circuits use runway 26 left, tower frequency 124.6

Arrivals and departures north and multi-engine circuits use runway 26 right, tower frequency 118.7

Wind, 300 degrees, 13 knots

Crosswind up to 12 knots

Visibility greater than 10 km

Showers in area

Cloud Scattered 1200, Scattered 2000

Temperature 18

QNH 1009

Parafield Terminal Information Bravo

5.

Parafield Terminal Information Hotel

Runway 26

Arrivals and departures south and single engine circuits use runway 26 left, tower frequency 124.6

Arrivals and departures north and multi-engine circuits use runway 26 right, tower frequency 118.7

Wind, 280 degrees, 18 knots

Crosswind up to 10 knots

Cloud scattered 3500

Temperature 18

QNH 1010

Parafield Terminal Information Hotel

6.

Parafield Terminal Information Echo

Runway 03

Arrivals and departures east and single engine circuits use runway 03 right, tower frequency 124.6

Arrivals and departures west and multi-engine circuits use runway 03 left tower frequency 118.7

Wind, 340 degrees, 13 knots

Gusting 23 knots

Crosswind up to 16 knots

Visibility greater than 10 km

Cloud Few 4000

Temperature 20

QNH 1011

Parafield Terminal Information Echo

7.

Parafield Terminal Information Echo

Runway 21

Arrivals and departures east and single engine circuits use runway 21 left, tower frequency 124.6

Arrivals and departures west and multi-engine circuits use runway 21 right, tower frequency 118.7

Wind, variable 5 knots

Visibility greater than 10 km

Dust devils in area.

Temperature 20

QNH 1021

Parafield Terminal Information Echo

8.

Parafield Terminal Information Bravo

Runway 08

Arrivals and departures north and multi engine circuits use runway 08 left, frequency 118.7

Arrivals and departures south and single engine circuits use runway 08 right, frequency 124.6

Wind, 060 degrees, 5 knots

CAVOK

Temperature 26

QNH 1002

On first contact with Parafield Ground or Tower, notify receipt of Information Bravo

9.

Parafield Terminal Information Charlie

Runway 03

Arrivals and departures east and single engine circuits use runway 03 right, tower frequency 124.6

Arrivals and departures west and multi-engine circuits use runway 03 left, tower frequency 118.7

Wind, 330 degrees, 18 knots

Crosswind up to 18 knots

CAVOK

Temperature 37

QNH 1012

Parafield Terminal Information Charlie

10.

Parafield Terminal Information Foxtrot

Runway 21

Arrivals and departures east and single engine circuits use runway 21 left, tower frequency 124.6

Arrivals and departures west and multi-engine circuits use runway 21 right, tower frequency 118.7

Runway 26 left is active for crosswind circuits

Wind, 220 degrees, 20 knots

Visibility greater than 10 km

Cloud Few 3500

Temperature 25

QNH 1018

Parafield Terminal Information Foxtrot

11.

Parafield Terminal Information Bravo

Runway 03

Arrivals and departures east and single engine circuits use runway 03 right, tower frequency 124.6

Arrivals and departures west and multi-engine circuits use runway 03 left tower frequency 118.7

Wind, 040 degrees, 4 knots

Visibility greater than 10 km

Cloud, Overcast 3000

Temperature 16

QNH 1028

On first contact with Parafield Ground or Tower, notify receipt of Information Bravo

12.

Parafield Terminal Information Delta

Runway 03

Arrivals and departures east and single engine circuits use runway 03 right, tower frequency 124.6

Arrivals and departures west and multi-engine circuits use runway 03 left, tower frequency 118.7

Forecast moderate turbulence below 5000 feet

Wind, 330 degrees, 10 maximum 22 knots

Crosswind maximum 15 knots

CAVOK

Temperature 19

QNH 1008

Parafield Terminal Information Delta

13.

Parafield Terminal Information Alpha

Runway 03

Restricted VFR operations available. All airborne operations frequency 118.7

Wind, 010 degrees, 4 knots

Visibility reduced to 6 km in mist

Cloud. Few at 800, Scattered 3000

Temperature 12

QNH 1031

On first contact with Parafield Ground or Tower, notify receipt of Information Alpha

14.

Parafield Terminal Information Foxtrot

Runway 21

Arrivals and departures east and single engine circuits 21 left, tower frequency 124.6

Arrivals and departures west and multi-engine circuits 21 right, tower frequency 118.7

Wind, 220 degrees, 12 knots

Visibility reducing to 8000m in passing showers

Temperature 18

QNH 1011

Parafield Terminal Information Foxtrot

15.

Parafield Terminal Information Charlie

Runway 03

Arrivals and departures east and single engine circuits use runway 03 right, tower frequency 124.6

Arrivals and departures west and multi-engine circuits use runway 03 left, tower frequency 118.7

Wind: 300 degrees, 10 knots

Crosswind up to 10 knots

Visibility greater than 10 km

Cloud Few at 3500

Temperature 19

QNH 1018

Parafield Terminal Information Charlie

16.

Parafield Terminal Information Delta

Runway 03

Arrivals and departures east, single engine circuits 03 right, tower frequency 124.6

Arrivals and departures west multi-engine circuits 03 left tower frequency 118.7

Wind, 340 degrees, 22

Gusting 36 knots

Crosswind maximum 25 knots

CAVOK

Temperature 24

QNH 1008

Moderate turbulence forecast in the control zone.

Parafield Terminal Information Delta