



# HOW TO READ ATIS BROADCAST

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ADDITIONAL MATERIALS

# INTRODUCTION

ATIS

## Automatic Terminal Information Service

- Purpose of ATIS
- Message format
- Listen to real message



# MESSAGE EXAMPLE FROM LKPR

ATIS

ATIS message (bulletin) example:

GOOD EVENING RUZYNE ATIS INFORMATION KILO 17 30 ILS APPROACH RUNWAY IN USE 24  
TRANSITION LEVEL 50 TAXYWAY CHARLIE CLOSED METAR PRAHA ISSUED AT 17 30 WIND 240  
DEGREES 9 KNOTS VISIBILITY 10 KILOMETERS OR MORE FEW 3700 FEET TEMPERATURE 5  
DEWPOINT 2 QNH 1025 HECTOPASCALS NOSIG YOU HAVE RECEIVED ATIS INFORMATION KILO

# PURPOSE OF ATIS BROADCAST

ATIS is a continuous **24 hours broadcast** of recorded noncontrolled aeronautical information (METAR report)

ATIS broadcasts contain essential information, such as **weather information**, which runways are active, **available approaches**, and any other information required by the pilots, such as important **NOTAMs**

Main purpose of ATIS:

- Remove load to ground services
- Give pilots necessary information during flight planning and before entering to terminal areas

# BULLETIN'S INFO

GOOD EVENING RUZYNE ATIS INFORMATION KILO 17 30

- RUZYNE ATIS INFORMATION - station where from ATIS is issued
- KILO – sequence key
- 17 30 (Z) – message issued at 17:30 (UTC time)

# NOTAM INFO

ATIS-NOTAM

ILS APPROACH RUNWAY IN USE 24 TRANSITION LEVEL 50 TAXYWAY CHARLIE CLOSED

- ILS APPROACH RUNWAY IN USE 24 - notice to airman
- TRANSITION LEVEL 50 - current transition level
- TAXYWAY CHARLIE CLOSED - one more notice to airman

# WEATHER INFO

## ATIS-WEATER

METAR PRAHA ISSUED AT 17 30

METAR PRAHA ISSUED AT 17 30 – METAR issue time (beginning of weather section)

# WIND INFO

WIND 240 DEGREES 9 KNOTS

- WIND 240– wind direction
- 9 KNOTS – wind velocity

example: WIND VARIABLE FROM 240 TO 280 11 KNOTS GUSTS 25 KNOTS



# VISIBILITY

## VISIBILITY 10 KILOMETERS OR MORE

- VISIBILITY 10 KM – horizontal visibility
- In case of low visibility: RUNWAY24LEFT0450

Horizontal visibility is usually given in kilometers

If Horizontal visibility is less than 1500 meters, visibility distance is given with reference to runway lights

# PHENOMENA

ATIS-WEATER

FEW 3700 FEET

- FEW – cloudiness/ phenomena type
- 3700 FEET– ceiling

example: FOG BROKEN 2200 feet

# SKY CONDITION (CLOUD COVERAGE)

ATIS-WEATER

Cloud coverage intensity is reported by the number of oktas (8 oktas means full cloud coverage):

- SKC - sky clear (or CLR)
- NSC - no significant clouds
- FEW – 1..2 oktas
- SCT – scattered 3..4 oktas
- BKN – broken 5...7 oktas
- OVC - overcast 8 oktas

CAVOK - **C**eiling **A**nd **V**isibility **OK** - indicating no cloud below 5,000 ft (1,500 m) and no cumulonimbus or towering cumulus at any level, a horizontal visibility of 10 km (6 mi) or more and no significant weather change is expected

# PHENOMENA DESCRIPTION

## VFR COMMUNICATION

Descriptor	Precipitations	Reducing visibility	Other
MI Shallow	DZ Drizzle	BR Mist	PO Well developed dust or sand whirls
BC Patches	RA Rain	FG Fog	SQ Squall
DR Drifting	SN Snow	FU Smoke	FC Funnel cloud/tornado
BL Blowing	SG Snow grains	VA Volcanic ash	SS Sandstorm
SH Shower	IC Diamond dust	SU Widespread dust	DS Dust storm
TS Thunderstorm	PE Ice pellets	SA Sand	
FZ frozen	GR Hail	HZ Haze	
FLASHES	GS Small hail and or snow pellets		

Intensity	Symbol
Light (v>2000 m)	"-"
Moderate	none
Heavy (V<1000 m)	"+"
in the vicinity	"VC"

# TEMPERATURE

TEMPERATURE 5 DEWPOINT 2

- TEMPERATURE 5 - air temperature in Celsius
- DEWPOINT 2 – dew point temperature in Celsius
- (M) – negative temp indicator

example: TEMPERATURE MINUS 16 DEWPOINT MINUS 18

# BAROMETRIC PRESSURE

ATIS-WEATER

QNH 1025 HECTOPASCALS

- QNH – barometric pressure adjusted to sea level
- 1025 HECTOPASCALS – pressure in hectopascals

# TREND

## ATIS-WEATER

### NOSIG

- NOSIG –No significant changes are expected to the reported conditions within the next 2 hours
- TEMPO - temporarily deviations to meteorological conditions are expected
- BECMG FROM1030 TILL1130 – significant changes are expected in given period of time
- RAB35RAE55 – rain began at 35 min of hour, ended at 55 min of hour

# END OF BULLETIN

ATIS-WEATER

YOU HAVE RECEIVED ATIS INFORMATION KILO

- YOU HAVE RECEIVED ATIS INFORMATION – end of message
- KILO - repeat of sequence key



Please visit Q/A section to prepare to the theory examination

Thank you!

PPL THEORY

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