HOW TO READ ATIS BROADCAST

ADDITIONAL MATERIALS
Automatic Terminal Information Service

- Purpose of ATIS
- Message format
- Listen to real message
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
GOOD EVENING RUZYNE ATIS INFORMATION KILO 17 30

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

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

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

FEW 3700 FEET

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

example: FOG BROKEN 2200 feet
SKY CONDITION (CLOUD COVERAGE)

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 - Ceiling And Visibility 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

<table>
<thead>
<tr>
<th>Descriptor</th>
<th>Precipitations</th>
<th>Reducing visibility</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>MI Shallow</td>
<td>DZ Drizzle</td>
<td>BR Mist</td>
<td>PO Well developed dust or sand whirls</td>
</tr>
<tr>
<td>BC Patches</td>
<td>RA Rain</td>
<td>FG Fog</td>
<td>SQ Squall</td>
</tr>
<tr>
<td>DR Drifting</td>
<td>SN Snow</td>
<td>FU Smoke</td>
<td>FC Funnel cloud/tornado</td>
</tr>
<tr>
<td>BL Blowing</td>
<td>SG Snow grains</td>
<td>VA Volcanic ash</td>
<td>SS Sandstorm</td>
</tr>
<tr>
<td>SH Shower</td>
<td>IC Diamond dust</td>
<td>SU Widespread dust</td>
<td>DS Dust storm</td>
</tr>
<tr>
<td>TS Thunderstorm</td>
<td>PE Ice pellets</td>
<td>SA Sand</td>
<td></td>
</tr>
<tr>
<td>FZ frozen</td>
<td>GR Hail</td>
<td>HZ Haze</td>
<td></td>
</tr>
<tr>
<td>FLASHERS</td>
<td>GS Small hail and or snow pellets</td>
<td></td>
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<table>
<thead>
<tr>
<th>VFR COMMUNICATION</th>
</tr>
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<tbody>
<tr>
<td>Intensity</td>
</tr>
<tr>
<td>Light (v&gt;2000 m)</td>
</tr>
<tr>
<td>Moderate</td>
</tr>
<tr>
<td>Heavy (V&lt;1000 m)</td>
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<tr>
<td>in the vicinity</td>
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</table>
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

QNH 1025 HECTOPASCALS

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