## 7–1–28. Key to Aerodrome Forecast (TAF) and Aviation Routine Weather Report (METAR)

*FIG 7–1–21*

**Key to Aerodrome Forecast (TAF) and Aviation Routine Weather Report (METAR) (Front)**

**Key to Aerodrome Forecast (TAF) and Aviation Routine Weather Report (METAR) (Front)**

| | |
|---|---|
| **TAF** | KPIT 091730Z 0918/1024 15005KT 5SM HZ FEW020 WS010/31022KT<br>FM091930 30015G25KT 3SM SHRA OVC015<br>TEMPO 0920/0922 1/2SM +TSRA OVC008CB<br>FM100100 27008KT 5SM SHRA BKN020 OVC040<br>PROB30 1004/1007 1SM -RA BR<br>FM101015 18005KT 6SM -SHRA OVC020<br>BECMG 1013/1015 P6SM NSW SKC |
| **NOTE**: Users are cautioned to confirm ***DATE*** and ***TIME*** of the TAF. For example FM**10**0000 is 0000Z on the **10th**. Do not confuse with ***1000Z!*** | |
| **METAR** KPIT 091955Z COR 22015G25KT 3/4SM R28L/2600FT TSRA OVC010CB 18/16 A2992 RMK SLP045 T01820159 | |

| Forecast | Explanation | Report |
|---|---|---|
| **TAF** | Message type: TAF-routine or TAF AMD-amended forecast, METAR-hourly, SPECI-special or TESTM-non-commissioned ASOS report | **METAR** |
| **KPIT** | ICAO location indicator | **KPIT** |
| **091730Z** | Issuance time: ALL times in UTC "Z", 2-digit date, 4-digit time | **091955Z** |
| **0918/1024** | Valid period, either 24 hours or 30 hours. The first two digits of EACH four digit number indicate the date of the valid period, the final two digits indicate the time (valid from 18Z on the 9th to 24Z on the 10th). | |
| | In U.S. METAR: CORrected ob; or AUTOmated ob for automated report with no human intervention; omitted when observer logs on. | **COR** |
| **15005KT** | Wind: 3 digit true-north direction, nearest 10 degrees (or VaRiaBle); next 2-3 digits for speed and unit, KT (KMH or MPS); as needed, Gust and maximum speed; 00000KT for calm; for METAR, if direction varies 60 degrees or more, Variability appended, e.g., 180V260 | **22015G25KT** |
| **5SM** | Prevailing visibility; in U.S., Statute Miles & fractions; above 6 miles in TAF Plus6SM. (Or, 4-digit minimum visibility in meters and as required, lowest value with direction) | **¾SM** |
| | Runway Visual Range: R; 2-digit runway designator Left, Center, or Right as needed; "/", Minus or Plus in U.S., 4-digit value, FeeT in U.S., (usually meters elsewhere); 4-digit value Variability 4-digit value (and tendency Down, Up or No change) | **R28L/2600FT** |
| **HZ** | Significant present, forecast and recent weather: see table (on back) | **TSRA** |
| **FEW020** | Cloud amount, height and type: Sky Clear 0/8, FEW >0/8-2/8, ScaTtered 3/8-4/8, BroKeN 5/8-7/8, OverCast 8/8; 3-digit height in hundreds of ft; Towering Cumulus or CumulonimBus in **METAR**; in **TAF**, only CB. Vertical Visibility for obscured sky and height "VV004". More than 1 layer may be reported or forecast. In automated **METAR** reports only, CleaR for "clear below 12,000 feet" | **OVC 010CB** |
| | Temperature: degrees Celsius; first 2 digits, temperature "/" last 2 digits, dew-point temperature; Minus for below zero, e.g., M06 | **18/16** |
| | Altimeter setting: indicator and 4 digits; in U.S., A-inches and hundredths; (Q-hectoPascals, e.g., Q1013) | **A2992** |
| **WS010/31022KT** | In U.S. **TAF**, non-convective low-level (≤2,000 ft) Wind Shear; 3-digit height (hundreds of ft); "/"; 3-digit wind direction and 2-3 digit wind speed above the indicated height, and unit, KT | |