Example of a PIREP and Element Decoder

KOKC UA/OV KOKC090064/TM 1522/FL080/TP C172/SK SCT090-TOPUNKN/WX FV05SM
HZ/TA M04/WV 24540KT/TB LGT/RM IN CLR.

a. Routine PIREP, 64 NM east (090 radial) of the Oklahoma City VOR at
1522 UTC, flight level 8,000 ft. MSL. The pilot of a Cessna 172
reported a scattered cloud layer with bases at 9,000 ft. MSL and top
height unknown. Flight visibility is 5 SM in haze, outside air
temperature is –04°C, wind is 245° at 40 kt., light turbulence, and the
airplane is in clear skies.

UUA/UA	Type of report: URGENT (UUA) - Any PIREP that contains any of the following weather phenomena: tornadoes, funnel clouds, or waterspouts; severe or extreme turbulence, including clear air turbulence (CAT); severe icing; hail; volcanic ash; low-level wind shear (LLWS) (pilot reports air speed fluctuations of 10 knots or more within 2,000 feet of the surface); any other weather phenomena reported which are considered by the controller to be hazardous, or potentially hazardous, to flight operations. ROUTINE (UA) - Any PIREP that contains weather phenomena not listed above, including low-level wind shear reports with air speed fluctuations of less than 10 knots.
/OV	Location: Use VHF NAVAID(s) or an airport using the three- or four-letter location identifier. Position can be over a site, at some location relative to a site, or along a route. Ex: /OV KABC; /OV KABC090025; /OV KABC045020-DEF; /OV KABC-KDEF
/TM	Time: Four digits in UTC. Ex: /TM 0915
/FL	Altitude/Flight level: Three digits for hundreds of feet with no space between FL and altitude. If not known, use UNKN. Ex: /FL095; /FL310; /FLUNKN
/TP	Aircraft type: Four digits maximum; if not known, use UNKN. Ex: /TP L329; /TP B737; /TP UNKN
/SK	Sky cover: Describes cloud amount, height of cloud bases, and height of cloud tops. If unknown, use UNKN. Ex: /SK SCT040-TOP080; /SK BKNUNKN-TOP075; /SK BKN-OVC050-TOPUNKN; /SK OVCUNKN-TOP085
/WX	Flight visibility and weather: Flight visibility (FV) reported first and use standard METAR weather symbols. Intensity (– for light, no qualifier for moderate, and + for heavy) shall be coded for all precipitation types except ice crystals and hail. Ex: /WX FV05SM – RA; /WX FV01SM SN BR; /WX RA
/TA	Temperature (Celsius): If below zero, prefix with an "M." Temperature should also be reported if icing is reported. Ex: /TA 15; /TA M06
/WV	Wind: Direction from which the wind is blowing coded in tens of degrees using three digits. Directions of less than 100 degrees shall be preceded by a zero. The wind speed shall be entered as a two- or three-digit group immediately following the direction, coded in whole knots using the hundreds, tens, and units digits. Ex: /WV 27045KT; /WV 280110KT
/TB	Turbulence: Use standard contractions for intensity and type (CAT or CHOP when appropriate). Include altitude only if different from FL. (See Table 3-3 on page 249.) Ex: /TB EXTRM; /TB OCNL LGT-MDT BLO 090; /TB MOD-SEV CHOP 080-110
/IC	Icing: Describe using standard intensity and type contractions. Include altitude only if different from FL. (See Table 3-4 on page 251.) Ex: /IC LGT-MDT RIME; /IC SEV CLR 028-045
/RM	Remarks: Use free form to clarify the report putting hazardous elements first Ex: /RM LLWS –15 KT SFC-030 DURGC RY 22 JFK

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