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Submitting Pilot Weather Reports (PIREPs)

1. UA - Routine PIREP / UUA - Urgent PIREP

2. /OV - Location: Use airport or NAVAID identifiers only

- Location can be reported as a single fix, radial DME, route segment (Fix- Fix), or latitude/longitude (in degrees and minutes)

Examples: /OV LAX, /OV RDU150020, /OV BOS-OWD360005, /OV KMCI-KMKC, /OV 3901N 08446W

3. /TM – Time: When conditions occurred or were encountered, using 4 digits in UTC

Examples: /TM 1645, /TM 0915

4. /FL - Altitude/Flight Level: Use 3 digits for hundreds of feet

- If not known, use UNKN

Examples: /FL095, /FL310, /FLUNKN

5. /TP - Type aircraft: Required if reporting Turbulence or Icing

- No more than 4 characters
- If not known use UNKN

Examples: /TP P28A, /TP RV8, /TP B738, /TP UNKN

6. /SK – Sky Condition/Cloud layers:

- Report cloud coverage using contractions: FEW, SCT, BKN, OVC, SKC
- Report bases in hundreds of feet: BKN005, SCT015, OVC200
- If bases or tops are unknown, use UNKN
- Report cloud tops in hundreds of feet: TOP120

Examples: /SK BKN035, /SK SCT UNKN-TOP125, /SK OVC095-TOP125/ SKC

7. /WX - Weather: Flight visibility is always reported first

- Report visibility using 2 digits, append FV reported with SM: FV01SM, FV10SM
- Unrestricted visibility use FV99SM
- Use standard weather contractions e.g.: RA, SH, TS, HZ, FG, -, +

Examples: /WX FV01SM +SHRA, /WX FV10 SM -RA BR

8. /TA - Air temperature (Celsius): Required when reporting icing

- 2 digits, unless below zero, then prefix digits with M

Examples: /TA 15, /TA 04 /TA M06

9. /WV - Wind: Direction in 3 digits, speed in 2 or 3 digits, followed by KT

Examples: /WV 28008KT, /WV 270045KT, /WV 080110KT

10. /TB - Turbulence:

- Report duration using INTMT, OCNL or CONS when reported by pilot
- Report intensity using LGT, MOD, SEV, or EXTRM
- Report type using CAT or CHOP when reported by pilot
- Include altitude only if different from /FL
- Use ABV or BLO when limits are not defined
- Use NEG if turbulence is not encountered

Examples: /TB OCNL MOD, /TB LGT CHOP, /LGT 060, /TB MOD BLO 090, / TB NEG

11. /IC - Icing:

- Report intensity using TRACE, LGT, MOD or SEV
- Report type using RIME, CLR, or MX
- Include altitude only if different than /FL
- Use NEG if icing not encountered
- Pilot reports of icing should also include air temperature (/TA)

Examples: /IC LGT-MOD RIME, /IC SEV CLR 028-045, /IC NEG

12. /RM - Remarks: Use to report phenomena that does not fit in any other field

- Report the most hazardous element first
- Name of geographic location or local description from /OV field

Examples: /RM LLWS +/-15KT SFC-003 DURC RWY22, /RM FA RWY10

/RM MTN WAVE, /RM DURC, /RM DURD, /RM MULLAN PASS

/RM BA RWY 02L MEDIUM TO POOR 3IN DRY SN OVER COMPACTED SN

Examples of Completed PIREPS

UA /OV RFD /TM 1315 /FL160 /TP PA44 /SK OVC025-TOP095/OVC150 /TA M12 /TB INTMT LGT CHOP

UA /OV DHT360015-AMA /TM 2116 /FL050 /TP PA32 /SK BKN090 /WX FV05SM -RA /TA 04 /TB LGT /IC NEG

UUA /OV PDZ010018 /TM 1520 /FL125 /TP C172 /WV 270048KT /TB SEV 055-085 /RM CAJON PASS

PIREP FORM

3 or 4 letter Identifier

1. **UA**_____ **UUA**_____
Routine Urgent

2. **/OV**

Location

3. **/TM**

Time

4. **/FL**

Altitude/Flight Level

5. **/TP**

Aircraft Type

Items 1 through 5 are mandatory for all PIREPs

6. **/SK**

Sky Condition

7. **/WX**

Flight Visibility & Weather

8. **/TA**

Temperature (Celsius)

9. **/WV**

Wind

10. **/TB**

Turbulence

11. **/IC**

Icing

12. **/RM**

Remarks