



Federal Aviation
Administration

Fight Standards Perspectives on PIREP Issues and Flight Deck MET Information

Presented to: Friends and Partners in Aviation Weather (FPAW)

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Problems with the NOTAMs system

- **The problem of Bullshit Notams**
- **The Notice to Airmen (NOTAM) System is Messed Up**
 - So why can't NOTAMS be written to improve pilot decision making without having to dissect 80 lines of code?
 - NOTAMS are not written to protect the pilot. They are written to protect everyone except the pilot.
- **NOTAMs: A Lousy System | - AOPA Blog**

Fight Standards Perspectives on PIREP Issues and Flight Deck MET Information

Discussion Topics

- Aviation Weather Center PIREP Submission Form Revised.
 - Mountain Wave
 - Low Level Wind Shear
 - Braking Action (DRAFT)
- Flight Deck MET Information
 - FIS-B PRODUCTS UPDATE
 - 30 Day NOTAM Purge

New Mountain Wave and Low Level Wind Shear Entries

User Interface Changes Mockup



10. /TB	Turbulence: <u>Turbulence Reporting Criteria</u>			<u>Altitude(s)</u>
	Frequency Not Reported ^ Occasional Intermittent Continuous v	Intensity Not Reported ^ Negative Light Moderate Severe Extreme v	Type Not Reported ^ CAT Chop v <input checked="" type="checkbox"/> MTN WAVE <input checked="" type="checkbox"/> LLWS	Not Reported ^ In Clear In Cloud Near Cloud v

Mountain Wave Characteristics	
Airspeed Fluctuation +/-	<input type="text"/> KT
Altitude Fluctuation	<input type="text"/> FT (EX: +100 -300, +/-200, -400)
<input type="button" value="Submit"/> <input type="button" value="Cancel"/>	

Low Level Wind Shear Characteristics	
Airspeed Fluctuation	<input type="text"/> KT (EX: +15, -20, +/-10)
Altitude(s)	<input type="text"/> (EX: SFC-015, 010-020, 015)
<input type="button" value="Submit"/> <input type="button" value="Cancel"/>	

Takeoff & Landing Performance Assessment (TALPA)

Takeoff and Landing Performance Assessment (TALPA) Runway Braking Action PIREP Form

New /BA Section

/FL add SFC radio button

/OV include ICAO 4 letter Airport ID

Either RWY or TWY BRA Condition
Required to be specified

DRAFT

Runway (RWY)	<input type="text"/>
RWY Braking Action (BRA) Condition	<input type="text"/>
Runway Contaminant	<input type="text"/>
Taxiway Turn Off (TWY)	<input type="text"/>
TWY Braking Action (BRA) Condition	<input type="text"/>

Thin [1/8in (3mm) depth or less]
Depth

<https://www.faa.gov/about/initiatives/talpa/media/TALPA-Pilot-RCAM.pdf>



Takeoff & Landing Performance Assessment (TALPA) Continued:

Braking Action

- Good: BRAG – Braking Action Good
- Good-Medium: BRAG-M – Braking Action Good to Medium
- Medium: BRAM - Braking Action Medium
- Medium-Poor: BRAM-P – Braking Action Medium to Poor
- Poor: BRAP – Braking Action Poor
- NIL: BRAN – Braking Action NIL

Takeoff & Landing Performance Assessment (TALPA) Continued:

Runway Contaminant Depth

- Thin Checkbox for $<1/8$ inch (<3 mm)
- Fraction or whole number ($1/2$, $3/4$, 1, 3)
 - Units
 - Inches (in)
 - Millimeters (mm)
- Measured
 - M $1/2$ in, M6mm
 - Estimated: $1/2$ in, 6mm

DRAFT



Takeoff & Landing Performance Assessment (TALPA) Continued:

Example

/BA RWY 12L BRAM 2IN DRY SNOW TWY A3 BRAM-P

DRAFT



Flight Deck MET Information

- UAT FLIGHT INFORMATION SERVICE—
BROADCAST (FIS-B) PRODUCTS UPDATE
 - Lightning
 - Turbulence
 - Cloud Tops
 - Icing
 - Graphical AIRMETs (G-AIRMET)
 - Center Weather Advisories (CWA)



UAT FLIGHT INFORMATION SERVICE— BROADCAST (FIS-B) PRODUCTS Additions

PRODUCT	FORMAT
Lightning	Graphic
Turbulence	Graphic
Cloud Tops	Graphic
Icing	Graphic
Graphical AIRMETs (G-AIRMET)	Graphic
Center Weather Advisories (CWA)	Text & Graphic



FIS-B OVER UAT PRODUCT UPDATE AND TRANSMISSION INTERVALS

Product	FIS-B Over UAT Service Update Intervals¹	FIS-B Service Transmission Intervals²
Lightning Strikes	5 minutes	5 minutes
Turbulence	15 minutes	15 minutes
Icing Forecasts	15 minutes	15 minutes
Cloud Tops	15 minutes	15 minutes
Graphical AIRMETS	00Z, 03Z, 06Z, 09Z/12 hr forecast	3 hour
Center Weather Advisories	As available	As available



FIS-B 30-Day NOTAM Purge

- The 30-day limitation on NOTAMS via FIS-B; that is, after 30 days, the NOTAM, although still active, will be removed from the FIS-B feed. This does not include TFR NOTAMS.
- TRF NOTAMS will continue to be published until no longer valid.



FAA Information Websites

- http://www.faa.gov/other_visit/aviation_industry/airline_operators/airline_safety/info
- <https://www.faa.gov/contact/subscribe/>



Questions?

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