AOPA

PIREP Enhancement and Process Improvement Efforts

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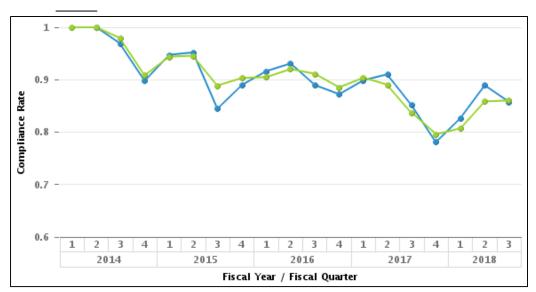
Efforts to Increase PIREP Submission



- Alaska PIREP Working Group of FAA and industry formed following 2015 Valdez, AK, fly-in and STOL competition
- NTSB PIREP Forum in 2016
- NTSB PIREP recommendations in 2017
- FAA adds PIREPs as an ATO Top 5 issue in 2017
- Recognition of systemic issues
 - Pilot, ATC, FSS culture
 - Submission automation
 - Reporting format
 - Lack of tracking and quality assurance

ATO Top 5 PIREP Effort





- Issuance of observed/reported weather areas
- PIREP solicitation and dissemination

NEI	Exemplary	Met Requirements	Needs Improvement	FY18 Q2 Compliance Rate	Two-Year Compliance Rate
Issuance of observed/reported weather areas	107	1,763	223	86%	85.3%
PIREP solicitation and dissemination	171	3,690	636	84%	85.2%

ATO Top 5 Corrective Action Plan



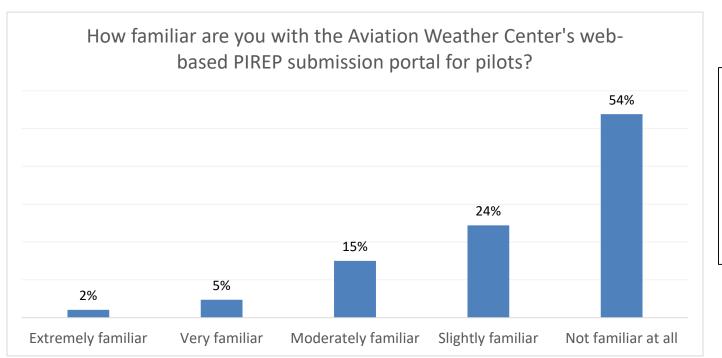
Strategies

- 1. Encourage pilots to file more PIREPs
- 2. Improve automation capabilities with regard to PIREP solicitation, entry, and dissemination
- 3. Improve knowledge of PIREP processes, tools, and system impacts through training and education
- 4. Align policy and procedures to provide consistent and sufficient guidance on PIREP solicitation and dissemination

			Fiscal Year Targets	Responsible	Completion Date
Hazard Maratified	Stratogy	Misigations to recover by which	i. Verify changes to Flight	AJR-8	December 31, 2018
identified Fixed does not seening pilot seening reports (PIREPs).	Encourage pilots to file more PIREPs	a. Review the process by which toderal and contract Flight Services specialists receive verbal plot weather reports and then immelify procedures to reduce the amount of firm the specialists take to obtain the recessary information from plots, (RTSB Recommendation A-17-016)	Service PREP recept grocess are having intended effect. Follow up with GA commanly. Provide GC metrics on removal of unnecessary readlack requirement. Provide there data for PREP's issued to delarmine if they are increasing.		
			Provide memo to AVS, recommending that they communicate changes to pilot community	AJI-31	December 31, 2018
	Improve automation capabilities with regard to PIREP solicitation, entry, and desemination	Per NTSB Recommendation A-17-21, provide air traffic controllers with automated plot weather report data- collection tools that incorporate design elements to prevent eput errors,	Present recommendation from Assess phase of the CVR process to the Directors Forum to facilitate determination on whether to proceed to Concept Development for Terminal and En Route environments	AJV-72	October 31, 2018
		increase quantity, and improve the timoliness of PIREPs disseminated to the NAS. Consider: NTSB Reconsmendation A-17-22 NTSB Reconsmendation	 As applicable, provide status update on Concept Development or rationale for not continuing work 	AJV-73	June 30, 2019
		A-17-26 • Incorporation of industry technology such as EFB. TAPS, and ACARS			
		Data link communications capabilities Inclusion of inputter			
		information for Quality	Obtain source information on		
		awareness concerning real- time changes to PIREP	area boundaries for 20 ARTOCs across the NAS	AJI-151, AJT-2	January 31, 2019
		solicitation requirements in the En Route environment by expanding and improving the PIREPs solicitation page (e.g. ZTL & ZME)	ii. Code each area to display pertinent PIREP solicitation status	AJI-151, AJT-2	September 30, 2019
		c. Improve FLM and controller awareness concerning real- time changes to PIREP solicitation requirements in the Terminal environment by implementing the PIREPs solicitation page (similar to ZTL & ZME)	 Meet with NNS to determine fleasibility and appropriate next sleps 	AJI-151, AJT-2, AJR-811	December 31, 2018
	Improve knowledge of PIREP processes, tools, and system impacts. through training and education	a: Educate PIREP users on the Hecycle of a PIREP, common misconceptions, and tools that are already available for entry/dissemination	Ereure at least a 93 percent NAS-wide completion rate for Recurrent Training on PIREP solicitation/desemination	Ali-2 AJT-2	July 31, 2019
		b. Update Refresher Training requirements in FAA Order JO 3120 A, Chapter 4, Paragraph 50, to include PIREP solicitation/dissemination with simulation prequirements	i. If applicable, publish final 3120.4 changes, requiring PREPs in annual Refresher Training, which include PIREP solicitation/dissemination	All-2	August 31, 2019
	Align policy and procedures to provide consistent and sufficient guidance on PIREP solicitation and desermation	Revise orders 7110.65, 7110.10, and 7210.3 to ensure that the chapters addressing Plot PIREPS include consistent guidance about PIREP coding, solicitation, and dissemination, as well as	 Publish final DCP to FAA Orders JO 7110.66, 7110.10, and 7210.3. 	Alve	March 31, 2019

AWC PIREP Submission Website





	DTRED En	try Form	SURVEY	TNEO					
	PIREP Entry Form SURVEY INFO This is an updated PIREP Entry page. Please refer to the Info page for more information.								
Items 1 through 5 are mandatory for all PIREPs									
1.	UA (Routine Report)								
	Enter Lat/Lon	- OR -	Enter NAVAID						
	Location:								
2. /OV									
	Weather reporting station:								
	Time:								
3.	Local (optional)	4 41-14-1100							
/TM	UTC (required)	4 digits UTC e.g. 0915, 2330							
	Current UTC Time								
	Altitude/Flight Level:								
4. /FL	climb level Unknown descent	3 digits in hundreds of feet MSL. e.g. 095 = 9500 ft MSL; 210 = FL210 or 21,0 ft MSL		,000					
	Unknown descent	Select climb, level	or descent if applicable.						
5.	Aircraft Type:	4	If unknown, use UNKN						
/ТР		(e.g. C210, P3, UI							

AWC PIREP submission form

IAD UUA /OV KIAD/TM 1238/FL040/TP CRJ2/TB MOD-SEV/RM VERY BUMPY ON DESCENT. PRETTY MUCH EVERY ONE ON THE PLANE THREW UP. PILOTS WERE ON THE VERGE OF THROWING UP. AWC-WEB

Report Age 1h 8m

Aircraft CRJ2 at 4000ft

Observation Moderate to Severe Turbulence at 4000

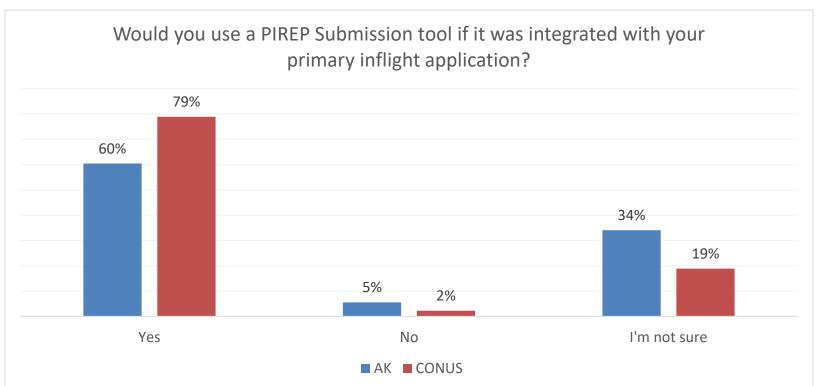
Remark VERY BUMPY ON DESCENT. PRETTY MUCH EVERY ONE ON THE PLANE THREW UP. PILOTS WERE ON THE VERGE OF THROWI

Close



PIREP Submission via Application

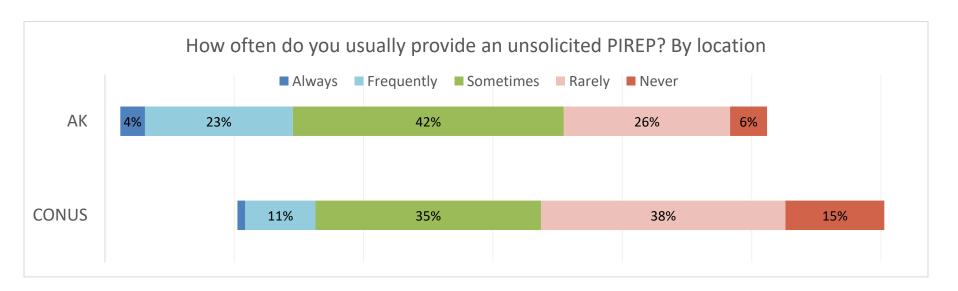






Providing a PIREP





PIREP Fields are Important



- PIREP provided at FAI04545 but recorded as over FAI
- Entering PIREP information in wrong field impacts automation and plain language interpretation – Reduces utility of PIREP





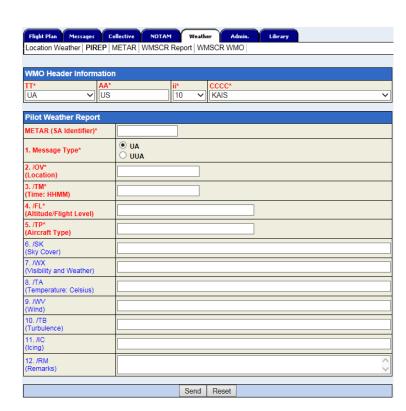
ATC PIREP Entry Automation Improvements



Aeronautical Information System Replacement (AISR) enhancements implemented in 2017

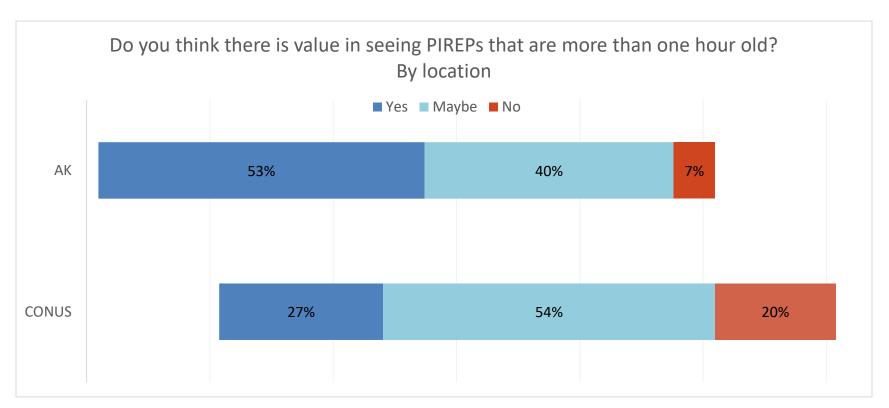
- Improve consistent entry of PIREPs
- UTC date/time: The date will be auto-populated
- Limit or validate that the user entered four digits for the time
- Wind: Automatically add "KT" to the user entry
- Visibility: Automatically add "SM" to the user entry

Enterprise Information Display System (E-IDS) enhancements on schedule for 2022 deployment



Value of PIREPs Older than 1 Hour





Further Effort Needed on PIREPs

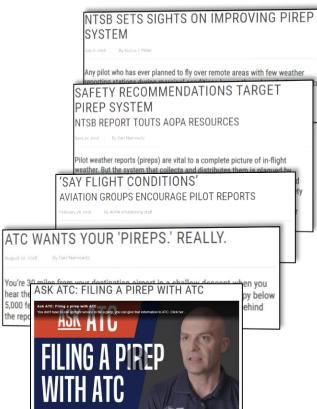
Controllers and Flight Service

- Emphasis on null reports
- Best practices for solicitation
- Confirmation PIREP is accepted into the system
 - Benefits forecasters, pilots not on frequency
- Efficiency of transaction

Pilots

- Emphasis on null reports, counter PIREP myths
- Integration of PIREP submission with EFB
- Training on PIREP format
- FIRCs, BFR's, safety seminars, other outreach





Pilot/Controller Communication Improvements

AOPA

- "Chop" is considered a type of turbulence
- Inconsistency in pilot/controller guidance
- Not all moderate chop being submitted as PIREP
- Pilot/Controller Glossary updated to harmonize terminology – and expectations – between pilots and ATC
- Mountain wave also defined
- PIREP quick reference guide added to all Chart Supplements



AOPA

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AOPA 2016 Pilot Report Survey

AOPA 2017 Weather Survey

AOPA 2018 Weather Survey

Thank you!