Helicopter Safety Enhancement (H-SE) 28: Helicopter Final Walk Around/Security of External Cargo				
Safety Enhancement Action:	Outreach: Industry and the FAA to (1) develop guidelines/recommended practices for helicopter preflight inspection, final walk around, and postflight inspection and (2) to promote the guidelines/recommended practices to the training community and general pilot community.			
Expected Implementers:	 FAA AFS-800 FAA Safety Team (FAAST) USHST Safety Analysis Team (SAT) USHST Special Emphasis Area (SEA) Training Team Helicopter Association International (HAI) Safety Committee (SC) Helicopter OEMs (GAMA to coordinate) 			
Statement of Work:	The pilot in command is responsible for determining the airworthiness of the aircraft he/she is operating (14 C.F.R. § 91.7). An adequate preflight inspection and final walk around is key to determining the condition of an aircraft prior to flight. Post-flight inspection also can help to identify issues prior to the next flight. One of the fatal accidents reviewed by the USHST in the LOC-I dataset involved inadequate aircraft inspections. The USHST believes that better guidance on both how and why to conduct these inspections, as well as increased attention to their importance, may mitigate such events in the future. To help prevent fatal helicopter accidents resulting from inadequate aircraft inspections before and after flight, the civil helicopter community should develop guidance on and increase awareness of the importance of preflight inspection, the "final walk around" (a final safety check prior to flight), and postflight inspection.			

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	 Due to their similarity, the USHST decided to merge another intervention strategy (IS) that ranked above the Mendoza Line in creation of this H-SE. IS 112, Training: Conduct training on proper security of external cargo items. 				
	 Project: Brief HAI SC on data regarding inadequate aircraft inspection. Develop guidelines/recommended practices for helicopter inspections, including preflight, final walk around, and post-flight. Promote the guidelines/recommended practices for helicopter inspections to the training community and the general pilot community. The following fatal accident prompted this safety enhancement: WPR10FA440 				
Relation to Current Aviation Community Initiatives: Performance Goal Indicators:	 FAA M-Pamphlet: Advanced Preflight, available at https://www.faasafety.gov/standdown/content/faa_m_pamphlet.pdf HAI Pre-Flight Risk Assessment Tool (User's Guide available at https://www.rotor.org/fox/mission/hai_mra.pdf) FAA Safety Briefing March/April 2012, "Advanced Preflight," pg. 18 Development of guidelines/best practices for aircraft inspections. Promotion of guidelines/best practices. 				
Key Milestones:		<u>Tot</u>	al Months	Start Date	End Date
	Output	1:	6	Nov. 1, 2017	May 1, 2018
	Output	2:	12	May 1, 2018	May 1, 2019
	Output	3:	12	May 1, 2019	May 1, 2020
	Comple	etion:	30 months		
Potential	Achieving cons	ensus on	guidelines/be	est practices from	experts.
Obstacles:	Resources to co		_	-	1
Detailed	Promotion of guidelines/best practices should consider key aviation				
Implementation	community and training events, including Heli-Expo.				
Plan Notes:					
CICTT Code:	LOC-I				
Output 1:					
Description:		Review o	data regardin	g inadequate aircr	aft inspection.

Lead Organization:	USHST SAT			
Supporting Organizations:	HAI SC			
Actions:	 USHST SAT to compile briefing on fatal accidents raising aircraft inspection concerns. USHST SAT to review briefing with the HAI SC. 			
Time Line:	6 months			
Target Completion Date:	May 1, 2018			
Output 2:				
Description:	Develop guidelines/recommended practices for helicopter inspections, including preflight, final walk around, and post-flight.			
Lead Organization:	HAI SC			
Supporting Organizations:	 FAA AFS-800 FAAST Helicopter OEMs (GAMA to coordinate) 			
Actions:	 HAI SC, in conjunction with support from the FAA and OEMs, to develop guidelines/recommended practices for: a. Pre-flight inspection b. Final walk around c. Post-flight inspection HAI SC, in conjunction with the FAA and industry support, to provide recommendations regarding promotion of guidelines/recommended practices. 			
Output Notes:	HAI SC should consider existing materials on aircraft inspections. HAI SC may also consult aircraft type clubs for input on best practices. Guidelines/recommended practices should include both practical information regarding the conduct of said inspections, as well as color and context regarding the importance of said inspections. Guidelines/recommended practices should be broadly applicable, considering different operators and operations. OEMs and type clubs may provide aircraft-specific information and or resources.			
Time Line:	12 months			
Target Completion Date:	May 1, 2019			

Output 3:					
Description:	Promote the guidelines/recommended practices for				
	helicopter inspections to the training community and the				
	general pilot community.				
Lead Organization:	HAI SC				
Supporting Organizations:	• FAA AFS-800				
	• FAAST				
	USHST SEA Training Team				
Actions:	HAI SC and USHST SEA Training Team to conduct				
	outreach to training providers regarding inspection				
	guidelines/recommended practices.				
	2. HAI SC and USHST SEA Training Team to present				
	guidelines/recommended practices at key industry				
	events.				
	3. HAI SC to brief the Airman Certification Systems				
	(ACS) Working Group on guidelines/recommended				
	practices to inform inspection requirements in				
	standards.				
	4. FAAST to conduct outreach on emphasizing				
	appropriate inspections, including thorough use of				
	the guidelines/recommended practices, to designated				
	pilot examiners for initial applicants as well as				
	applicants for advanced certifications and ratings.				
	5. FAAST to conduct outreach on emphasizing				
	appropriate inspections to the pilot community.				
Output Notes:	At the time that this H-SE was drafted, the ACS Working				
	Group had not yet been chartered to include helicopter.				
Time Line:	12 months				
Target Completion Date:					
	May 1, 2020				