

**Helicopter Safety Enhancement (H-SE) 13A:
Utilities Patrol and Construction (UPAC) Recommended Practice Guide**

Safety Enhancement Action:	Outreach: Industry to promote the recommended practice guides for utility patrol operations within industry and its customers.
Expected Implementers:	<ul style="list-style-type: none"> • FAA AFS-800 • FAA Safety Team (FAAST) • Helicopter Association International (HAI) Utilities, Patrol, and Construction (UPAC) Committee • USHST Outreach Team
Statement of Work:	<p>The intent of this H-SE is the wider dissemination of the recommended practices within the Utilities, Patrol, and Construction (UPAC) helicopter community. As more UPAC organizations and operators are exposed to these practices, we have confidence that it will increase the likelihood that they will build these practices into their operations, leading to an increased level of safety across the industry sector.</p> <p>Project:</p> <ol style="list-style-type: none"> 1. Review UPAC Safety Guide for Helicopter Operators for basic content and revise as necessary. <i>Available at http://www.rotor.com/portals/1/committee/upac_guide.pdf</i> (last revision June 9, 2015). 2. Outreach to UPAC operators to promote and educate on the latest revisions of UPAC Safety Guide for Helicopter Operators. <p>The following fatal accident prompted this safety enhancement: ERA13LA057</p>
Relation to Current Aviation Community Initiatives:	<p>The following USHST Intervention Strategies (ISs) were below the Mendoza Line but may be of value in review and revision of the UPAC Safety Guide.</p> <ul style="list-style-type: none"> • IS 19, Outreach: FAA and industry to promote and provide guidance on mentoring programs (for lower time pilots, experience levels, local areas, new tasking, etc.). The mentoring should be at regular intervals and an ongoing process. • IS 110, Training and Outreach: Improve education on the risks of operating in the low-level environment. Education must address differences between flight in the low-level environment for necessity of performing work (<i>e.g.</i>, aerial application spraying) as compared to unnecessary low-level transit flight when flight at a higher altitude is an option.

	<ul style="list-style-type: none"> IS 151, Research: FAA and Industry partner to examine use of vision system technologies to display and alert for airborne hazards (such as wires). May involve development of sensors or database. 																
Performance Goal Indicators:	UPAC Safety Guide for Helicopter Operations is review, revised (if needed), and promoted to the UPAC helicopter community.																
Key Milestones:	<table border="0"> <thead> <tr> <th></th> <th><u>Total Months</u></th> <th><u>Start Date</u></th> <th><u>End Date</u></th> </tr> </thead> <tbody> <tr> <td>Output 1:</td> <td>12</td> <td>June 1, 2018</td> <td>June 1, 2019</td> </tr> <tr> <td>Output 2:</td> <td>12</td> <td>June 1, 2019</td> <td>June 1, 2020</td> </tr> <tr> <td>Completion:</td> <td>24 months</td> <td></td> <td></td> </tr> </tbody> </table>		<u>Total Months</u>	<u>Start Date</u>	<u>End Date</u>	Output 1:	12	June 1, 2018	June 1, 2019	Output 2:	12	June 1, 2019	June 1, 2020	Completion:	24 months		
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Completion:	24 months																
Potential Obstacles:	<ul style="list-style-type: none"> Delays in revision to UPAC Safety Guide. Ineffective outreach if communication strategy is not specifically tailored to reaching the UPAC helicopter community. 																
Detailed Implementation Plan Notes:																	
CICTT Code:	LALT																

Output 1:	
Description:	Review UPAC Safety Guide for Helicopter Operators for basic content and revise as necessary (last revision June 9, 2015).
Lead Organization:	HAI Utilities, Patrol, and Construction Committee
Supporting Organizations:	USHST Outreach Team
Actions:	<ol style="list-style-type: none"> USHST Outreach Team brief HAI's UPAC Committee on USHST fatal accident analysis as it applies to the UPAC industry. Ensure intervention strategies below the Mendoza Line (19, 110, 151) noted previously in the "Relation to Current Aviation Community Initiative" portion of this H-SE are discussed. HAI's UPAC Committee review and revise the UPAC Safety Guide for Helicopter Operators.
Output Notes:	
Time Line:	12 months
Target Completion Date:	June 1, 2019

Output 2:	
Description:	Outreach to UPAC operators to promote and educate on the latest revisions of UPAC Safety Guide for Helicopter Operators.
Lead Organization:	HAI Utilities, Patrol, and Construction Committee
Supporting Organizations:	<ul style="list-style-type: none"> • FAA AFS-800, General Aviation & Commercial Division • FFAST (with operators operating Part 133/135 UPAC) • FAA Safety Team (FFAST) • USHST Outreach Team
Actions:	<ol style="list-style-type: none"> 1. HAI UPAC Committee, FFAST, the FAA, and USHST Outreach Team promote and educate on revised UPAC Safety Guide. 2. USHST Outreach Team monitor progress of outreach by tracking the number of UPAC operators briefed.
Output Notes:	
Time Line:	12 months
Target Completion Date:	June 1, 2020