The USHST is a regional partner to the International Helicopter Safety Foundation.

**USHST GOAL:** Reduce the 5 year average fatal US helicopter accident rate to 0.55 fatal accidents per 100K hrs by 2025

**USHST Vision:** A Civil Helicopter Community with Zero Fatal Accidents

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### Monthly Safety Report August 2021

#### Metric

<table>
<thead>
<tr>
<th>Metric</th>
<th>2017 - 2021</th>
<th>2016 - 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Avg Fatal Acc Rate</td>
<td>0.72</td>
<td>0.69</td>
</tr>
<tr>
<td>Avg Accident Rate</td>
<td>3.83</td>
<td>3.78</td>
</tr>
</tbody>
</table>

#### Year To Date

<table>
<thead>
<tr>
<th>Year To Date</th>
<th>Current Year (CY21)</th>
<th>Previous Year (CY20 YTD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fatal Accidents</td>
<td>10</td>
<td>9</td>
</tr>
<tr>
<td>Accidents</td>
<td>63</td>
<td>59</td>
</tr>
<tr>
<td>Fatalities</td>
<td>23</td>
<td>26</td>
</tr>
</tbody>
</table>

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**Previous count of days w/o fatal accidents:**

- 12 days

**Highest consecutive days w/o fatal accident:**

- 107 days (2020)
- 93 days (2019)

**Average days between fatal accident (5yr):**

- 15 days

Each year the U.S. helicopter industry safely flies approx. 3 million flight hours and **every** second of every flight must be handled with professionalism.
Did “YOU” Know?
In the US there are 12,000 + helicopters, 32,000 + helicopter pilots and over 292,000 aircraft mechanics!

The USHST has identified the following industries for OUTREACH:
Personal/Private, Helicopter Air Ambulance (HAA), Commercial and Aerial Application

Your participation in joining our vision of zero fatal accidents is important to us. To determine how your interests best align with active USHST efforts, please click the link below to complete the form and submit

JOIN/FOLLOW USHST

U.S. Helicopter Safety Team

Loss of Control - Inflight (LOC-I), Unintended Flight into IMC (UIMC), Low Altitude Operations (LALT).

USHST continues to work on the implementation of 16 Helicopter Safety Enhancements (H-SE) developed through data-driven analysis of 104 fatal accidents. The H-SE’s use Outreach, Policy, Technology/Equipment, and Training to reduce fatal accidents in these categories.

H-SE 91: Enhanced Helicopter Vision Systems

Research, develop, and promote the use of enhanced helicopter vision systems (EHVS) technologies (e.g. Night Vision Goggles, Enhanced Vision Systems, Synthetic Vision Systems, Combined Vision Systems, etc.) to assist in recognizing and preventing unplanned flight into degraded visibility conditions due to weather and to increase safety during planned flight at night.

1. FAA to research/evaluate helicopter vision-enhancing technologies and operational concepts for advanced vision systems. This will require communication with existing industry vision system manufacturers to get a well-informed perspective of available technology.
2. FAA to develop policy changes to allow for the use of vision enhancing technologies (Update FAA Order 8260.42B Advisory Circulars 90-80B, 90-106A, and FSIMS 8900.1). Review 14 C.F.R. § 91.175/176 and decide whether a regulatory revision through rulemaking would be necessary for the H-SE to be implemented.
3. Industry and FAA to develop and conduct outreach program to promote use of vision-enhancing technologies.

USHST PRIORITY Safety Resources:

US Helicopter Safety Team Press Release (June 1, 2021):
International Rotorcraft Community Launches Collaborative Safety Program