Fatal Accident Rate, Fatality Rate, and Accident Rate Update

Calendar Year 2017

Compiled: January 2018
USHST Goal

• 20% reduction in the U.S. helicopter fatal accident rate by CY2020
  – Four year goal
    • Start Date: January, 2016
    • End Date: December, 2019

  – Baseline for measurement
    • 5 year average for the U.S. fatal accident rate
    • Average of CYs 09-10, 12-14 = 0.76
    • CY11 excluded due to problems with FAA’s GA Survey that year

  – To achieve goal of a 20% reduction by CY2020:
    • Fatal accident rate reduced from 0.76 to 0.61 or less by the end of CY 2019
Source of flight hours for rate calculations

• FAA’s General Aviation and Part 135 Activity Survey:
  – Used for all years 2016 and prior (2009-10, 2012-16)

• FAA’s FY 2017-2037 Aerospace Forecast:
  – Used for 2017
2017 Metrics Corrections

• One fatal accident removed from metrics
  – 10/7/2017, UH-1H, N58468, Brian Head, UT
  – NTSB preliminary investigation initiated; concluded event would not be pursued as aviation event

• Updates to 2017 metrics will continue into 2018
  – Change to rates based on adjustment to accident counts are possible
    • Late reports of accidents are not uncommon
    • Incidents are sometimes upgraded to accidents
    • Accidents are sometimes downgraded to incidents
  – Change to rates based on adjustment to flight hours are possible
    • Next FAA Aerospace Forecast expected in March; will update 2017 flight hours
    • Next FAA GA Survey results will be released in late 2018; will finalize 2017 flight hours
U.S. Helicopter Fatal Accident Rate

Goal by end of CY 2019:
20% reduction from 5 year baseline

Flight hours source:
-5 Yr Baseline and 2016 from FAA's GA & Part 135 Activity Survey.
U.S. Helicopter Fatality Rate

Flight hours source:
U.S. Helicopter Fatal Accident & Fatality Rate

Flight hours source:
- 2013-16 from FAA’s GA & Part 135 Activity Survey.
- 2017 from FAA’s Aerospace Forecast FY2017-2037.
U.S. Helicopter Accident Rate

Flight hours source:
- 2013-16 from FAA’s GA & Part 135 Activity Survey.
- 2017 from FAA’s Aerospace Forecast FY2017-2037.