

<b>Safety Recommendation Number:</b>	IRLD2018001
<b>AAIU Event Reference:</b>	IRL00917016
<b>AAIU Report Number:</b>	2018-004
<b>Date of Publication of Safety Recommendation:</b>	16/03/2018
<b>Safety Recommendation Status:</b>	In process of implementation

**Safety Recommendation:**

The Sikorsky Aircraft Corporation should make the necessary updates/modifications to the S-92A helicopter to ensure that the latitude and longitude information recorded on the Flight Data Recorder reflects the most accurate position information available during all flight regimes and mission profiles.

**Response:**

In a letter dated 17 July 2018, the Sikorsky Aircraft Corporation advised the Investigation that:

Following the issue of the AAIU's Interim Report dated 16 Mar 2018, Sikorsky's engineering safety leadership team convened to specifically address the AAIU's recommendation. Our S-92 program Platform System Integration lead presented information detailing the findings of the investigation.

Sikorsky recognizes that while this is not a safety critical deficiency, incorporating the recommendations of the AAIU would provide a benefit to recipients of the FDR data. It is Sikorsky's intent to incorporate the recommendations of the AAIU in the next update to the S-92A AMS software. Sikorsky is currently wrapping up a three-year certification effort of S-92A AMS software which began in 2015. The window for changes to that software closed in 2016, after which all the testing and certification efforts have been accomplished. Sikorsky is currently awaiting foreign validation of the completed update.

The next update to S-92A AMS Software has been funded for planning and requirements analysis. The recommendations of the AAIU have been considered by the analysis team and are on the list for incorporation in the next update. However, because Sikorsky is in the early stages of defining this AMS update, the schedule for completion has not been determined. Once the analysis team completes their recommendations, the list of changes will be sent to the supplier and a proposal requested. Once the suppliers cost and schedule proposal is received, negotiations will begin. Because Sikorsky has executed a project of this type many times in the past, we can confirm that this next AMS update will likely take about three years to complete. That would position the update completion at the end of 2021, with field deployment available to customers starting the next year, 2022."

**AAIU Comment:**

The AAIU notes the response of the Sikorsky Aircraft Corporation. The status of the recommendation will remain P (In process of implementation) until the Sikorsky Aircraft Corporation formally advises the AAIU that the appropriate software update has been distributed.