

**NATIONAL TRANSPORTATION SAFETY BOARD**  
Vehicle Recorder Division  
Washington, D.C. 20594

April 26, 2019

## **Personal Electronic Device**

### **Specialist's Factual Report By Ben Hsu**

#### **1. EVENT**

Location: Fellsmere, Florida  
Date: March 5, 2019  
Aircraft/ID: Piper PA-28-161  
Registration: N556PU  
Operator: FlightSafety International, Inc.  
NTSB Number: ERA19FA116

#### **2. DETAILS OF DEVICE INVESTIGATION**

The National Transportation Safety Board's (NTSB) Vehicle Recorder Division received photographs of lock-screen notifications from an unknown Apple iPhone device.

##### **2.1. Device Description**

The Apple iPhone is a touchscreen computing device capable of phone calls, messaging, internet, email, photo/video recording, and many other functions depending on the specific application(s) loaded. Data is stored on non-volatile<sup>1</sup> memory and may include web browser logs, emails, photos, videos, and location information. The amount and types of data stored varies based on the device's software version and configuration.

##### **2.2. Data Description**

The photographs received depicted device notification messages as seen from the lock screen. The notifications were in both English and Mandarin Chinese. The notification messages were reviewed by NTSB staff fluent in both languages. Some notification messages were consistent with attempts to locate the aircraft's pilot after the accident. There were no other accident-pertinent messages.

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<sup>1</sup> Non-volatile memory is semiconductor memory that does not require external power for data retention.