

# NATIONAL TRANSPORTATION SAFETY BOARD

Vehicle Recorder Division  
Washington, D.C. 20594

October 28, 2014

## Electronic Devices

Specialist's Factual Report  
by Bill Tuccio, Ph.D.

### 1. EVENT

Location: Warren, Idaho  
Date: August 5, 2014  
Aircraft: Zenith CH750  
Registration: N32FZ  
Operator: Private  
NTSB Number: WPR14FA330

On August 5, 2014, about 1335 Pacific daylight time, an experimental David Fitzgerald, Zenith CH750, N32FZ, crashed in mountainous terrain in the wilderness area of Warren, Idaho. The owner/pilot was operating the airplane under the provisions of 14 *Code of Federal Regulations* Part 91. The sport pilot and passenger were fatally injured; the airplane was destroyed by impact forces. The cross-country personal flight departed Big Creek, Idaho, about 1440, with a planned destination of Dixie, Idaho. Visual meteorological conditions prevailed, and no flight plan had been filed.

### 2. DETAILS OF DEVICE INVESTIGATION

The National Transportation Safety Board (NTSB) Vehicle Recorder Division received the following devices:

Device 1: Apple iPhone  
Device 1 Serial Number: Unknown  
Device 2: Apple iPad  
Device 2 Serial Number: DMPLK0ECFK12  
Device 3: HTC Smart Phone  
Device 3 Serial Number: Unknown

#### 2.1. Device Description

The devices were personal electronic devices. Capabilities included specialized applications, cellular phone calling, cellular internet service, text messaging, and electronic flight bag functions.

### 2.1.1. Apple iPhone Data Recovery

Upon arrival at the Vehicle Recorder Laboratory, an exterior examination revealed the unit had sustained significant impact damage, as shown in figure 1. The phone was repaired and started normally; however, it was password protected. The investigator-in-charge (IIC) provided a variety of potential passwords, none of which unlocked the phone. In agreement with the IIC, further recovery was not attempted.

Figure 1. iPhone as received.



### 2.1.2. Apple iPhone Data Description

No data was recovered.

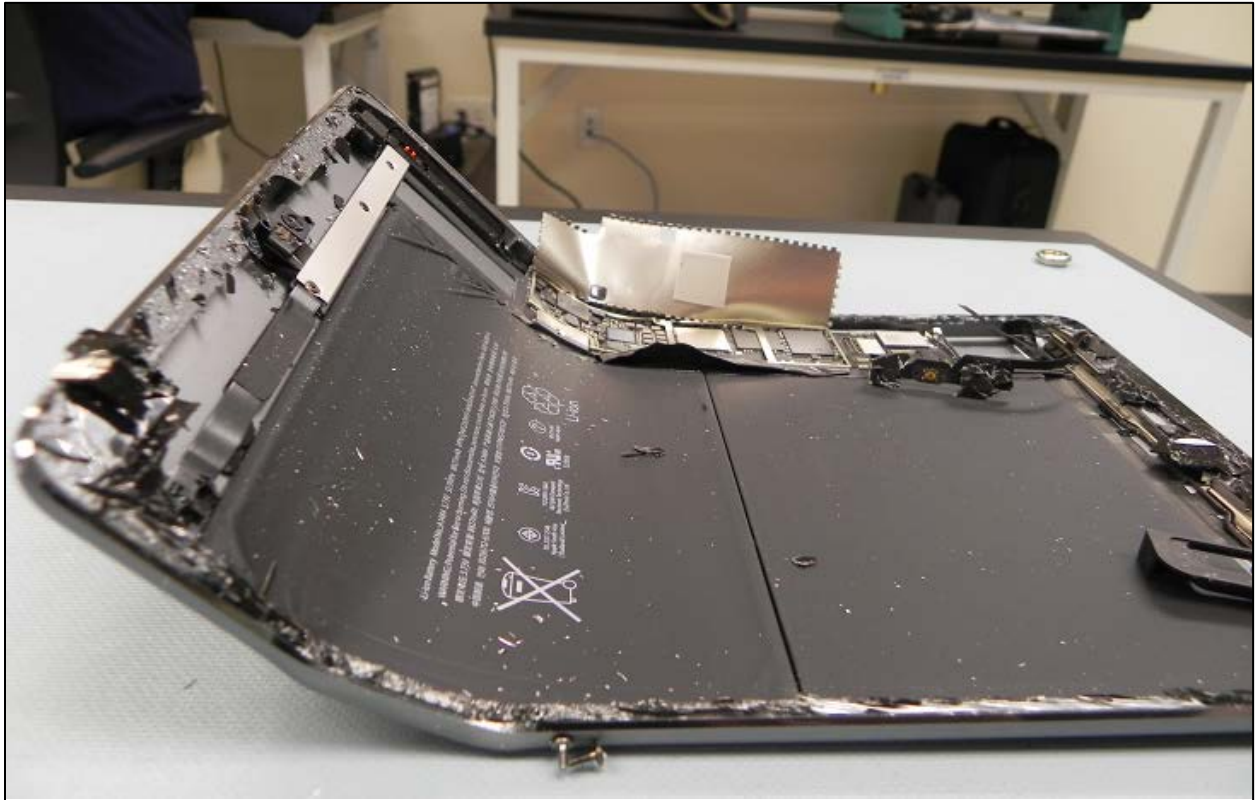
### 2.1.3. Apple iPad Data Recovery

Upon arrival at the Vehicle Recorder Laboratory, an exterior examination revealed the unit had sustained significant impact damage, as shown in figure 2. Internal inspection revealed significant bending of the main processor board, as shown in figure 3. In agreement with the IIC, further recovery was not attempted.

Figure 2. iPad as received.



**Figure 3. Apple iPad internal inspection.**



#### **2.1.4. Apple iPad Data Description**

No data was recovered.

#### **2.1.5. HTC Smart Phone Data Recovery**

Upon arrival at the Vehicle Recorder Laboratory, an exterior examination revealed the unit had sustained minor impact damage, as shown in figure 4. The internal 16GB microSD card was removed and examined. The phone would not start and in agreement with the IIC, further recovery was not attempted.

**Figure 4. HTC smart phone as received.**



### **2.1.6. HTC Smart Phone Data Description**

Content on the microSD card was not pertinent to the accident.