

NATIONAL TRANSPORTATION SAFETY BOARD

Vehicle Recorder Division
Washington, D.C. 20594

November 18, 2013

Electronic Devices Factual Report

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

1. EVENT

Location: Bolingbrook, Illinois
Date: September 25, 2013
Aircraft: Cirrus SR20
Registration: N406DC
Operator: Private
NTSB Number: CEN13FA558

On September 25, 2013, about 1715 central daylight time, a Cirrus SR20 airplane, N406DC, impacted terrain after executing a go-around near Bolingbrook's Clow International Airport, (1C5), Bolingbrook, Illinois. The pilot and one passenger were fatally injured. The airplane was destroyed. The airplane was registered to GDK International LLC and operated by a private individual under the provisions of 14 *Code of Federal Regulations* Part 91 as a personal flight. Visual meteorological conditions prevailed for the flight, which operated without a flight plan. The flight originated from Georgetown Scott County Airport (27K), Georgetown, Kentucky about 1500 and was destined for 1C5.

2. DETAILS OF DEVICE INVESTIGATION

The Safety Board's Vehicle Recorder Division received the following devices:

Device 1: Avidyne Multi-Function Display (MFD)
Device 1 Serial Number: UNKNOWN
Device 2: Apple iPhone
Device 2 Serial Number: UNKNOWN

2.1. Avidyne MFD Device Description

The MFD unit is able to display the pilot checklist, terrain/map information, approach chart information and other aircraft/operational information depending on the specific configuration and options that are installed.

2.1.1. Avidyne MFD Data Recovery

Upon arrival at the Vehicle Recorder Laboratory, an exterior examination revealed the unit had sustained significant heat and structural damage, as shown in figure 1. It was determined the damage made recovery efforts impossible.

Figure 1. Avidyne unit as received.



2.2. Apple iPhone Device Description

The Apple iPhone is a touch-screen smart-phone capable of voice calling, text messaging, email, photo/video recording, audio (music) playback, and numerous other specialized functions depending on configuration.

2.2.1. Apple iPhone Data Recovery

Upon arrival at the Vehicle Recorder Laboratory, an exterior examination revealed the unit had sustained significant heat and structural damage, as shown in figure 2. It was determined the damage made recovery efforts impossible.

Figure 2. Apple iPhone as received.

