

National Transportation Safety Board

Office of Research and Engineering

Washington, DC 20594



WPR23FA188

PERSONAL ELECTRONIC DEVICE

Specialist's Factual Report

November 4, 2024

A. ACCIDENT SUMMARY

Location: Albany, Wyoming
Date: May 14, 2023
Time: 1135 mountain daylight time (MDT)
1735 coordinate universal time (UTC)
Aircraft: Cessna T182T, N665B

B. PERSONAL ELECTRONIC DEVICE SPECIALIST

Specialist: W. Deven Chen
Electrical Engineer - Recorder Specialist
National Transportation Safety Board (NTSB)

C. DETAILS OF THE INVESTIGATION

A recorder group was not convened. The NTSB Vehicle Recorder Division received the following personal electronic device (PED):

Recorder Manufacturer/Model:	Apple iPhone 11 Pro
IMEI Number:	353245101023269

1.0 Recorder Description

PEDs are a category of devices comprised primarily of portable computing devices and mobile phones. Portable computing devices are typically capable of internet access, email, messaging services, and can run user-installed applications to perform specific tasks. Depending on the model, mobile phones can perform many of the same tasks as portable computing devices, plus have voice call and text messaging capabilities. PED user and system data is typically stored on non-volatile memory¹ and can be accessed through manufacturer-provided interfaces.

1.1 Recorder Data Recovery

The iPhone 11 Pro had sustained severe damage upon arrival at the Vehicle Recorder Division, as shown in figure 1. The mother board was removed from the device and showed signs of being bent from the impact damage. The mother board was placed onto a surrogate device. The device powered on normally and was locked with a 6-digit passcode, as shown in figure 2. There was no passcode provided to the lab. Thus, there was no data recovered from this device.

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



Figure 1. Front and side views of the iPhone 11 Pro as Received.

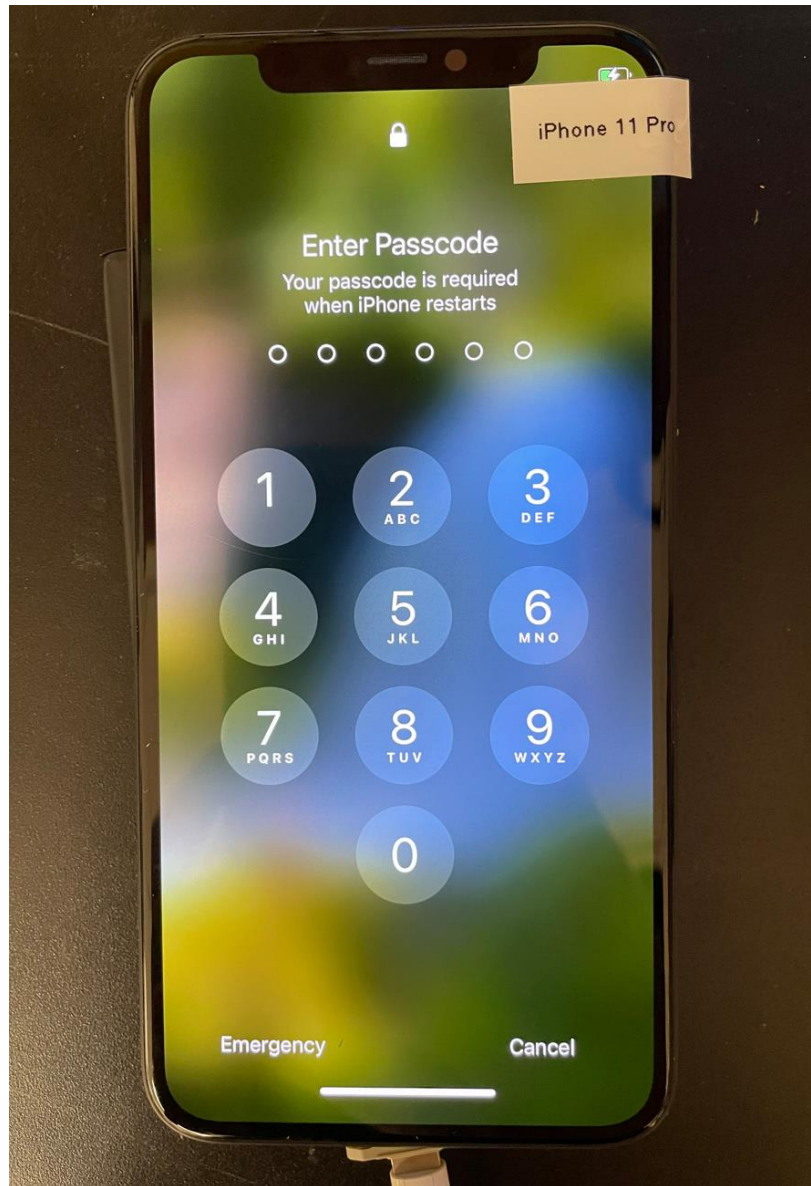


Figure 2. Device powered on normally and was locked with a passcode.