NATIONAL TRANSPORTATION SAFETY BOARD
Vehicle Recorder Division
Washington, DC 20594

August 25, 2014

Cockpit Voice Recorder

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

1. EVENT

Location:	Las Vegas, Nevada
Date:	July 5, 2013
Aircraft:	Rockwell Sabreliner, XB-RSC
Operator:	Eseasa Contrucciones, S. A. de C. V.
NTSB Number:	WPR13LA310

2. GROUP

A group was not convened.

3. SUMMARY

On July 5, 2013, about 1845 Pacific daylight time, a Rockwell International Corporation NA-265-65, Mexican registered XB-RSC, sustained substantial damage following a reported loss of control while taxiing at the McCarran International Airport (LAS) Las Vegas, Nevada. The airplane was registered to and operated by Eseasa Contrucciones, S. A. de C. V., under the provisions of Title 14 *Code of Federal Regulations* Part 91. The captain, first officer, and four passengers were not injured. Visual meteorological conditions prevailed and instrument flight rules (IFR) flight plan was filed for the personal flight which originated from Brownsville, Texas at about 1755, central daylight time. A solid-state cockpit voice recorder (CVR) was sent to the National Transportation Safety Board's Audio Laboratory for readout.

4. DETAILS OF INVESTIGATION

The NTSB Vehicle Recorder Division's Audio Laboratory received the following CVR:

Recorder Manufacturer/Model: **L-3/Fairchild FA2100-1020**
Recorder Serial Number: **000301736**

4.1. Recorder Description

The aircraft was equipped with a CVR that records a minimum of the last 2 hours of aircraft operation; this is accomplished by recording over the oldest audio data. When the CVR is deactivated or removed from the airplane, it retains only the most recent 2 hours of CVR operation. This model CVR, the L-3/Fairchild FA2100-1020, is a solid-state CVR that records 2 hours of digital cockpit audio. Specifically, it contains a 2-channel recording of the last 2 hours of operation and separately contains a 4-channel recording of the last 30 minutes of operation. The 2-hour portion of the recording is comprised of one channel of audio information from the cockpit area microphone (CAM) and one channel that combines three audio sources: the captain's audio panel information, the first officer's audio panel information, and the observer pilot's audio panel information and public address system. The 30-minute portion of the recording contains 4 channels of audio data; one channel for each flight crew, one channel for the CAM audio information, and a fourth channel for the public address and third crewmember.

4.2. Recorder Damage

Upon arrival at the audio laboratory, it was evident that the CVR had not sustained any heat or structural damage and the audio information was extracted from the recorder normally, without difficulty.

4.3. CVR Channels

The recording consisted of four channels of audio information; however, none of the audio was pertinent to the incident/accident investigation. The audio was consistent with the CVR being inoperative prior to the accident. The recording ended when aircraft XB-RSC was on the ground in Santa Lucia, Mexico.