**Exhibit H: Description of Operation**
**Evermore Systems**
**Smart Swing Golf Club**

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# Smart Swing Theory of Operation

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## Product and Operational Description

The Smart Swing product consists of two pieces, the IMU and the link box.

The IMU is a printed circuit board that is placed inside a brass tube, which is then placed inside a golf club shaft. The top of the shaft has two buttons, one to turn Power on and off, and the other to flag data of a good golf swing by sounding an audible beep. The IMU's hardware is designed to track the head of the club through out the golfer's swing and transmit it back to the link box. The radio transmits the data on a 2.432 Ghz narrow band and is powered by batteries. The length of the packets being transferred is 255 bytes, with a range of thirty feet. The data rate across this distance is set at 1Mps, with a signaling bandwidth of 250Khz which uses the FSK modulation technique.

## Technical Description

The IMU hardware, which is embedded in the golf club, has a microcontroller, three gyroscopes, two accelerometers, and 2.4 Ghz radio. The radio design is a 2.4 Ghz low power RF transceiver, with the antenna being a quarter wave stub antenna mounted outside the club shaft, under the rubber grip. During operation the radio will consume 19 mA to allow a maxium bandwidth of 1 Mbps.