AES-T1900

- **Trojan description**
    - At the core of lightweight applications, such as medical implant devices, are the batteries that power them and the success of the device rests heavily on them. This Trojan drains the battery once it gets activated. The Trojan gets activated after 128'hFFFF_FFFF_FFFF_FFFF_FFFF_FFFF_FFFF_FFFF encryptions. The Trojan payload is a shift register which continuously rotates after Trojan activation. The Trojan increases the power consumption and hence decreases the expected lifetime of the battery.

- **Trojan taxonomy**
    - Insertion phase: Design
    - Abstraction level: Register Transfer level
    - Activation mechanism: Internally conditionally triggered
    - Effects: Denial of Service
    - Location: Processor
    - Physical characteristics: Functional

Please send your concerns/questions to

    Dr. Hassan Salmani at SalmaniHSN@gmail.com

    Administrator at admin@trust-hub.org