

**OCF “Gaborone-1” – Event Logging – Security WG CR 3035**

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### **3 Terms, definitions, and abbreviated terms**

#### **3.1 Terms and definitions**

##### **3.1.x Auditable Event**

system activity that may be indicative of a violation of security policy

##### **3.1.x Auditable Event Entry**

record of the details of an Auditable Event

#### **3.2 Abbreviated terms**

##### **3.2.x AEE**

Auditable Event Entry

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#### **5.7 Event Logging**

##### **5.7.1 Event Logging General**

An OCF Platform can generate various kinds of Auditable Events. These Auditable Events can be used for log analysis or for real-time understanding of a system condition. Usually multiple Auditable Events are stored to backtrack problems that have occurred in the system. The storage capacity of IoT devices is typically very limited, so a specific type of data structure such as a ring buffer is often used.

An OCF Device logs Auditable Event Entries (AEE) for all Auditable Events that satisfy the “categoryfilter” and “priorityfilter” Properties of the “/oic/sec/ael” Resource. The AEEs are stored in local storage (see Figure 1). Due to the limited size of the local storage, OCF Security Domain Owner is expected to adjust the filtering options.



**Figure 1 Store Events in local storage**

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## 8 Device Onboarding State Definitions

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### 8.2 Device Onboarding-Reset State Definition

- The "owned" Property of the "/oic/sec/doxm" Resource shall transition to FALSE.
- The "devowneruuid" Property of the "/oic/sec/doxm" Resource shall be nil UUID.
- The "devowner" Property of the "/oic/sec/doxm" Resource shall be nil UUID, if this Property is implemented.
- The "deviceuuid" Property of the "/oic/sec/doxm" Resource shall be set to the manufacturer default value.
- The "deviceid" Property of the "/oic/sec/doxm" Resource shall be reset to the manufacturer's default value, if this Property is implemented.
- The "sct" Property of the "/oic/sec/doxm" Resource shall be reset to the manufacturer's default value.
- The "oxmsel" Property of the "/oic/sec/doxm" Resource shall be reset to the manufacturer's default value.
- The "isop" Property of the "/oic/sec/pstat" Resource shall be FALSE.
- The "dos" Property of the "/oic/sec/pstat" Resource shall be updated: dos.s shall equal "RESET" state and dos.p shall equal "FALSE".

- The "om" (operational modes) Property of the "/oic/sec/pstat" Resource shall be set to the manufacturer default value.
- The "sm" (supported operational modes) Property of the "/oic/sec/pstat" Resource shall be set to the manufacturer default value.
- The "owneruuid" Property of "/oic/sec/pstat", "/oic/sec/doxm", "/oic/sec/acl2", and "/oic/sec/cred" Resources shall be nil UUID.
- The "usedspace" Property of the "/oic/sec/ael" Resource shall be set to 0.
- The "categoryfilter" Property of the "/oic/sec/ael" Resource shall be set to the manufacturer's default value.
- The "priorityfilter" Property of the "/oic/sec/ael" Resource shall be set to the manufacturer's default value.
- The "events" Property of the "/oic/sec/ael" Resource shall be set to an empty array.
- The "supportedprofiles" Property of the "/oic/sec/sp" Resource shall be set to the manufacturer default value.
- The "currentprofile" Property of the "/oic/sec/sp" Resource shall be set to the manufacturer default value.

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