OSDP FAQ

Check with SIA first, that's the authoritative source. Check https://github.com/smithee-us/lib-osdp/doc/explaining-osdp/osdp-faq.pdf for latest version of this.

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1. What's the current spec?

The current spec as used by the working group is the version in the SIA Sharepoint site for OSDP.

The spec consists of these files:
        SIA_OSDP2.1.7
        SIA OSDP Application Profile - Basic
        SIA OSDP Application Profile - Biometric
        SIA OSDP Application Profile - Peripheral
        SIA OSDP Application Profile - Transparent
        SIA OSDP Application Profile - XPM
        OSDP Application Specific Messages - rev2

2. Does OSDP support Digital I/O?

yes. There are messages for that. See osdp_OUT, osdp_OSTATR, osdp_ISTAT, osdp_ISTATR

3. Does OSDP support LED colors?

3.1 Color Choices

There are a few defined. there is current discussion on this. check with the committee for a copy of the working notes from the sharepoint site.

3.2 Switching off LED's

If you want to mask an LED you can set the color to Black, which is a defined color in the spec meaning unlit/off.

4. Does OSDP support buzzers?

yes.

5. How does Biometrics work?

One answer is:

1. cardholder presents card to card reader PD
2. PD sends osdp_RAW to CP (cardholder data)
3. CP selects template from prepared database
4. CP sends osdp_BIOMATCH to bio reader PD with template. Template is in one of several formats, default is Portable Greymap (PGM, see https://www.nist.gov/programs-projects/wsq-certification-procedure).
5. Bio reader PD sends match info back in osdp_BIOMATCHR.
6. CP makes access decision.

Biometrics template encoding types are defined in (rev 2.1.7) section 1.34 table "Biometric Formats (type 0x01-0x0a) Meaning"

6. How do you interpret osdp_ISTATR

The values in osdp_ISTATR indicate an input has changed. It is assumed these changes happen relatively infrequently e.g. seconds apart. Polling is assumed to occur at a high enough rate to collect input status changes accurately.

0. Where is this document?

In github. https://github.com/smithee-us/libosdp/doc/explaining-osdp/osdp-faq.pdf