OSDP Trace Samples

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Introduction

Trace samples created using libosdp (for now, should we add samples from vendors?) The sample files were created with libosdp running in "Monitor" mode in a 3-station RS-485 configuration. This was run at 9600 BPS with a poll timeout of 1 second.

Here's a proposed list of additional trace samples.

- sample of tamper event
- sample of secure channel initiation
- sample of ficam challenge/response sequence
- sample of ficam chuid/fascn/guid read

Samples

Poll/Ack

This shows the CP sending an osdp_POLL to a PD at address 0, and the PD responding with an osdp_ACK. (Source: file sample_poll-ack.log in libosdp/doc/trace-samples.)

Identification Request/Response

This shows the CP sending an osdp_ID to a PD at address 0, and the PD responding with an osdp_PDID. (Source: file sample_PD-Ident.log in libosdp/doc/trace-samples.)

Raw Card Data

This shows the CP sending an osdp_POLL to a PD at address 0, and the PD responding with card data as an osdp_RAW message. By convention in libosdp this is interpreted as 26 bit SIA Wiegand, parity bits and all, in network byte order with the facility code first.

Message Byte/Bit	Contents
0/0	front parity bit
0/1-7	bits 0-6 of facility code
1/0	bit 7 of facility code
1/1-7	bits 0-6 of cardholder number
2/0-7	bits 7-14 of cardholder number
3/0	bit 15 of cardholder number
3/1	back parity bit
3/2-7	must be zero

The raw value 080000C0 is front-parity=0 facility code 0x01 cardholder number 0x0001 backparity 1.

(Source: file sample_raw-card.log in libosdp/doc/trace-samples.)