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前回（訂正前）Coordinator のコード

前回のミーティングで参照した URL [已解決: Re: Simple Data transfer - NXP Community](#)

```
ZPS_eAplZdoPoll();

/*ここから追加部分*/
uint8 u8TransactionSequenceNumber;
uint8 apduMyData;
ZPS_tsNwkNib * thisNib;
thisNib = ZPS_psNwkNibGetHandle(ZPS_pvAplZdoGetNwkHandle());
PDUM_thAPduInstance hAPduInst;
hAPduInst = PDUM_hAPduAllocateAPduInstance(apduMyData);

uint16 u16Offset = 0;
uint16 i;

// Fill hAPDU payload
u16Offset = 0;
uint8 buffer[] = "idontknow";
for (i = 0; i < 5; i++) {
    u16Offset += PDUM_u16APduInstanceWriteNBO(hAPduInst, u16Offset, "b", *(buffer + i));
    DBG_vPrintf(TRUE, "%c", *(buffer + i));
}
PDUM_eAPduInstanceSetPayloadSize(hAPduInst, u16Offset);
DBG_vPrintf(TRUE, "Size : %d\nSending : \n", PDUM_u16APduInstanceGetPayloadSize(hAPduInst));

if (hAPduInst == PDUM_INVALID_HANDLE)
{
    DBG_vPrintf(TRUE, "PDUM_INVALID_HANDLE\n");
} else {
    ZPS_teStatus eStatus;
    ZPS_teAplAfSecurityMode eSecurityMode = (ZPS_E_APL_AF_SECURE_NWK);

    eStatus = ZPS_eAplAfBroadcastDataReq(        hAPduInst,
                                                0x1337,
                                                0x01,
                                                0x01,
                                                ZPS_E_BROADCAST_ZC_ZR,           // De:
                                                eSecurityMode,
                                                0,
                                                &u8TransactionSequenceNumber
    );
```

・セキュリティモードを ZPS_E_APL_AF_UNSECURE（セキュリティ無効）に変更。

→結果 terminal の表示は前回と変化なし。

・Alignment error が発生していたので、以下のように printf 関数を追加。

```
/* **** */
PUBLIC void vWakeCallBack(void)
{
    /* schedule device to go to sleep, then poll for data */
    DBG_vPrintf(TRACE_APP, "APP: Polling for data\n");
    ZPS_eAplZdoPoll();

    /*ここから追加部分*/
    uint8 u8TransactionSequenceNumber;
    uint8 apduMyData;
    DBG_vPrintf(TRACE_APP, "OK1");
    ZPS_tsNwkNib * thisNib;
    thisNib = ZPS_psNwkNibGetHandle(ZPS_pvAplZdoGetNwkHandle());
    DBG_vPrintf(TRACE_APP, "OK2");
    PDUM_thAPduInstance hAPduInst;
    hAPduInst = PDUM_hAPduAllocateAPduInstance(apduMyData);
    DBG_vPrintf(TRACE_APP, "OK3");

    uint16 u16Offset = 0;
    uint16 i;

    // Fill hAPDU payload
    u16Offset = 0;
    uint8 buffer[] = "idontknow";
    DBG_vPrintf(TRACE_APP, "OK4");
    for (i = 0; i < 5; i++) {
        u16Offset += PDUM_u16APduInstanceWriteNBO(hAPduInst, u16Offset, "b", *(buffer + i));
        DBG_vPrintf(TRUE, "%c", *(buffer + i));
    }
    DBG_vPrintf(TRACE_APP, "OK5");
    PDUM_eAPduInstanceSetPayloadSize(hAPduInst, u16Offset);
    DBG_vPrintf(TRUE, "Size : %d\nSending : \n", PDUM_u16APduInstanceGetPayloadSize(hAPduInst));
    DBG_vPrintf(TRACE_APP, "OK6");

    if (hAPduInst == PDUM_INVALID_HANDLE)
    {
        DBG_vPrintf(TRUE, "PDUM_INVALID_HANDLE\n");
    } else {
        ZPS_teStatus eStatus;
        ZPS_teAplAfSecurityMode eSecurityMode = (ZPS_E_APL_AF_UNSECURE);
```

→結果は

APP : Polling for data

OK1

OK2

!! Alignment error

よって, OK2 と OK3 の間のコードに問題あり.

```
PDUM_thAPduInstance hAPduInst;
```

```
hAPduInst = PDUM_hAPduAllocateAPduInstance(apduMyData);
```

[Re: How to send Data from SED to Coordinator on JN... - NXP Community](#) を参考にし,

uint8 apduMyData; → PDUM_thAPdu apduMyData; に変更した.

Terminal の結果は、前回と変化なし.