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CpE 403 Section 1001
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Youtube Link: <https://youtu.be/wfskgQo4sjA>

Task 1:

config.h:

```
#define CONFIG_MAC_SUPERFRAME_ORDER 15

/*! Setting for Phy ID */
#define CONFIG_PHY_ID (APIMAC_STD_US_915_PHY_1)

#if ((CONFIG_PHY_ID >= APIMAC_MRFSK_STD_PHY_ID_BEGIN) && (CONFIG_PHY_ID <= APIMAC_MRFSK_STD_PHY_ID_END))
/*! Setting for channel page */
#define CONFIG_CHANNEL_PAGE (APIMAC_CHANNEL_PAGE_9)
#elif ((CONFIG_PHY_ID >= APIMAC_MRFSK_GENERIC_PHY_ID_BEGIN) && (CONFIG_PHY_ID <= APIMAC_MRFSK_GENERIC_PHY_ID_END))
/*! Setting for channel page */
#define CONFIG_CHANNEL_PAGE (APIMAC_CHANNEL_PAGE_10)
#else
#error "PHY ID is wrong."
#endif
```

csf.c:

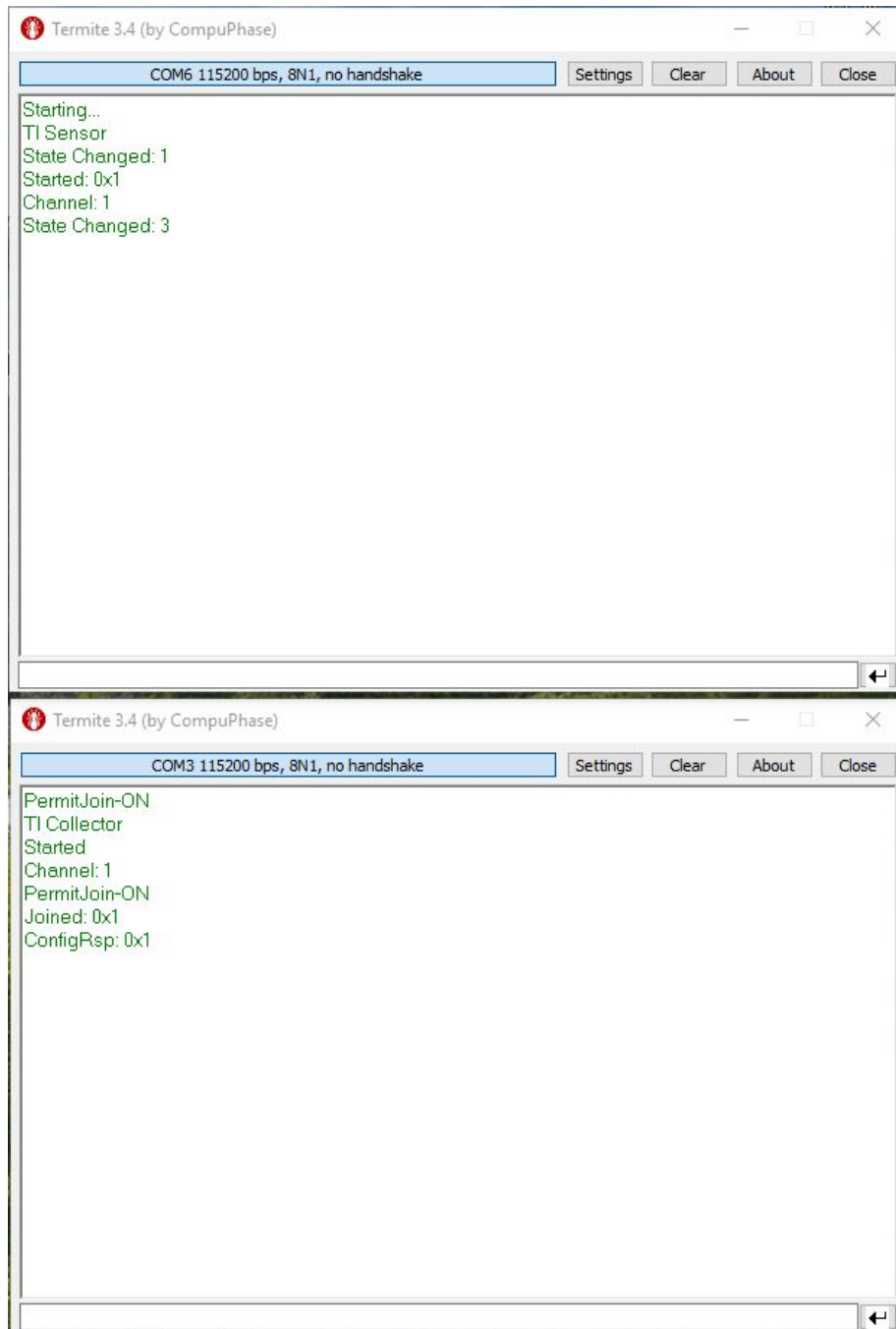
```
void Csf_deviceSensorDataUpdate(ApiMac_sAddr_t *pSrcAddr, int8_t rssi,
                               Smgs_s_sensorMsg_t *pMsg)
{
    Board_Led_toggle(board_led_type_LED2);

    LCD_WRITE_STRING_VALUE("Temperature=", pMsg->tempSensor.objectTemp, 10, 6);

    #if defined(MT_CSF)
        MTCSEF_sensorUpdateIndCB(pSrcAddr, rssi, pMsg);
    #endif
}
```

Task 3:

UART;



Task 4:

config.h (collector):

```
/*!
 *
 * Reporting Interval - in milliseconds to be set on connected devices using
 * configuration request messages
 */
#define CONFIG_REPORTING_INTERVAL 1000
```

Config.h (sensor):

```
#define CONFIG_PAN_CONFIG_SOLICIT_CLK_DURATION    6000
/*! Default Reporting Interval - in milliseconds. It will get updated upon
reception of a config request message */
#define CONFIG_REPORTING_INTERVAL    500
```

UART:

