

# Freescalé MQX RTOS Example Guide

## Taskat Example

This document explains the Taskat example, what to expect from example and a brief introduction to the API used

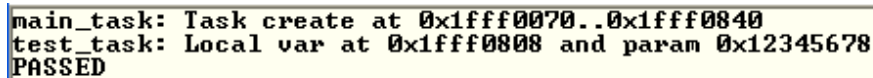
## The Example

This example code used to create a task AT a specified address (using the specified memory for the task stack and TD structure).

## Running example

Start a terminal application on your PC and set the serial connection for 115200 baud, 8 data bits, 1 stop bit, no parity and no flow control.

Start TFS example on the target platform. After running example the result will be as the following picture



```
main_task: Task create at 0xffff0070..0xffff0840
test_task: Local var at 0xffff0808 and param 0x12345678
PASSED
```

Explaining the example

The application example creates two AUTO\_START\_TASK: Main\_task and Test\_task with different priority.

Main\_task with 9 priorities creates a test\_task with 8 priorities at a specified address. After test\_task is created, Because of higher priority Test\_task will immediately run and set test\_task\_val become 1. Main\_task becomes ready task. After Test\_task is blocked, Main\_task will become running task.

## Flow Chart

