The Interaction Timeline with TrustZone API

- **NS Thread #1**
- **NS Exec**
- **Secure Interrupt**
- **RTOS Kernel**
- **SPM**
- **TrustZone API**
- **S Entry**
- **SP #2**
- **Non-secure Interrupt**
- **SP #1**
The Scheduler - Topics

• The call lock in NSPE is going to be removed
  • Support one non-secure thread secure call at the same time as the first step.
  • Multiple non-secure thread secure call would cause a panic.

• Multiple NS thread secure call needs Secure Context API support.
  • The CMSIS TZ API support as the first step.

• Several proposals for Secure IDLE processing; but implement the simple case as a start.
  • Yielding in secure side as the first step, this method avoids ns modification
Thank You
Danke
Merci
謝謝
ありがとうございます
Gracias
Kiitos
감사합니다
धन्यवाद
شكرًا
tודה