

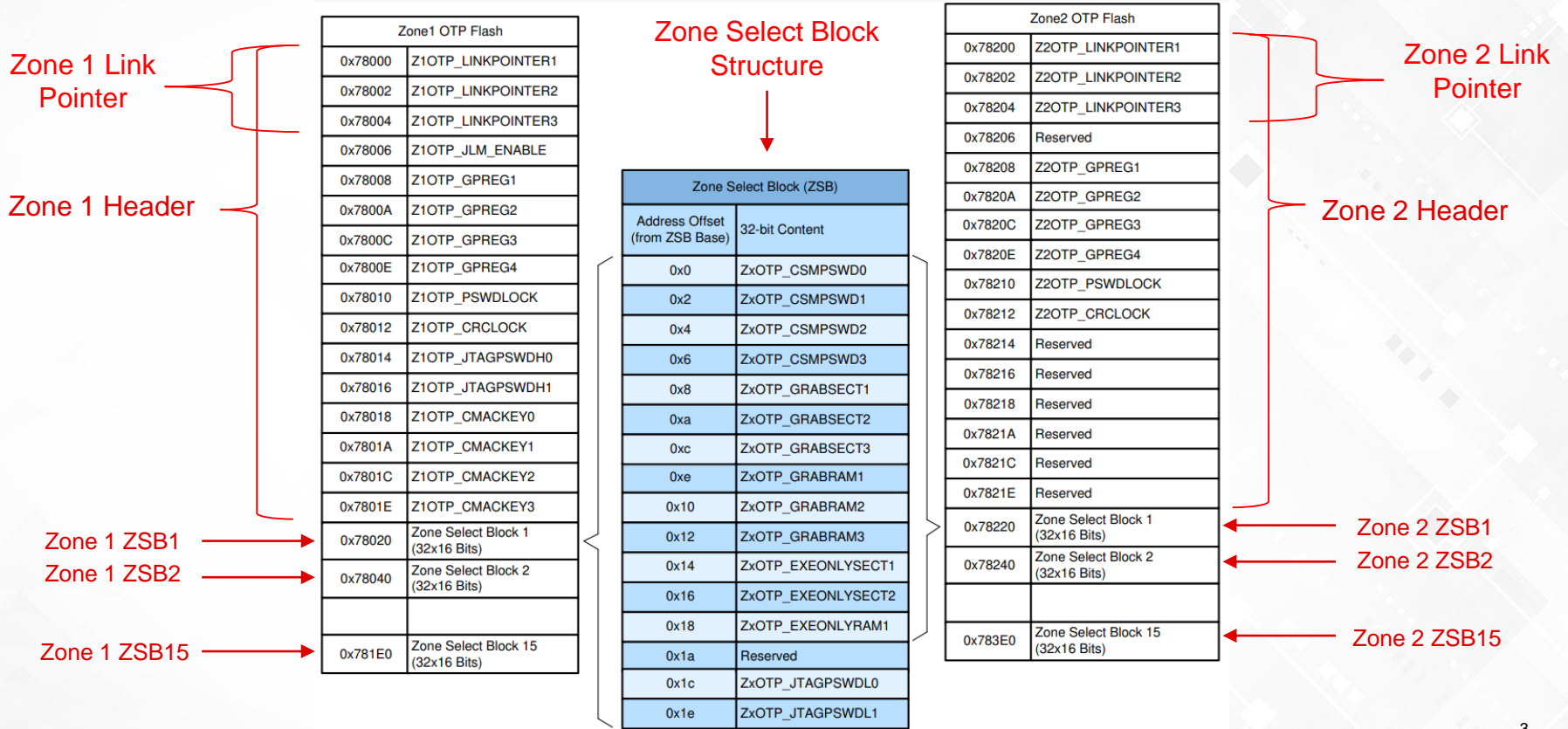
DSCM Module Overview

Dual Code-Security-Module

What is DCSM?

- It is a security module used to prevent access to secure memories, thereby preventing duplication of proprietary code.
- Various security settings are configurable by programming them in particular locations of User-OTP.
- There are two secure zones in the device(one zone per user).
- Two users can prevent access to each other's proprietary code in addition to protecting it from potential hackers.

DCSM Structure



Core Security Settings

- When a memory region is secured by one of the two zones, it becomes inaccessible via JTAG or any code running from memory not allocated to the same zone.
- Instruction fetches are always allowed.
- Zones can be unlocked using passwords to temporarily unlock all memory regions allocated to that zone.

CSMPSWD	
Z1OTP-CSMPSWD0 (0x5F010)(32 bits) 0x	<input type="text" value="FFFFFFFF"/>
Z1OTP-CSMPSWD1 (0x5F012)(32 bits) 0x	<input type="text" value="47FFFFFFFF"/>
Z1OTP-CSMPSWD2 (0x5F014)(32 bits) 0x	<input type="text" value="FFFFFFFF"/>
Z1OTP-CSMPSWD3 (0x5F016)(32 bits) 0x	<input type="text" value="FFFFFFFF"/>
<input type="button" value="Program Password"/>	<input type="button" value="Lock"/> <input type="button" value="Unlock"/>

Additional DCSM Resources

- **DCSM Application Reports**

- [C2000 DCSM Security Tool Application Report](#)
- [C2000 Unique Device Number Application Report](#)
- [Enhancing Device Security by Using JTAGLOCK Feature Application Report](#)
- [Secure BOOT On C2000 Device Application Report](#)