Figure 33: Key slot states

7.8.3.2 Operations

KMU has operations to store, use, and remove assets.

Operation	Description
Provision	Store assets in SICR
Push	Retrieve assets from SICR and push to write-only registers or memory for use
Read metadata	Read key slot metadata from SICR
Revoke	Remove an asset from SICR
Block	Block a keyslot from being pushed, provisioned, or revoked until next reset
Push block	Block a key slot by preventing a push until next reset

Table 31: KMU operations

KMU allows a single operation to run at a time. Once a TASK is triggered to start an operation, KMU ignores any subsequent TASK requests until the initial operation is complete.

7.8.3.2.1 Provisioning

Provisioning is the storage of an asset in SICR. During provisioning, KMU copies data and permission policy from RAM to SICR.

Provisioning a key slot is possible when the key slot is in the ERASED state.

To provision an asset, perform the following steps:

1. Populate the SRC data struct as an array in RAM.
2. Write the SRC register to the address of the SRC data in RAM. See the following table for SRC data details.
3. Configure the key slot ID in the KEY SLOT register.