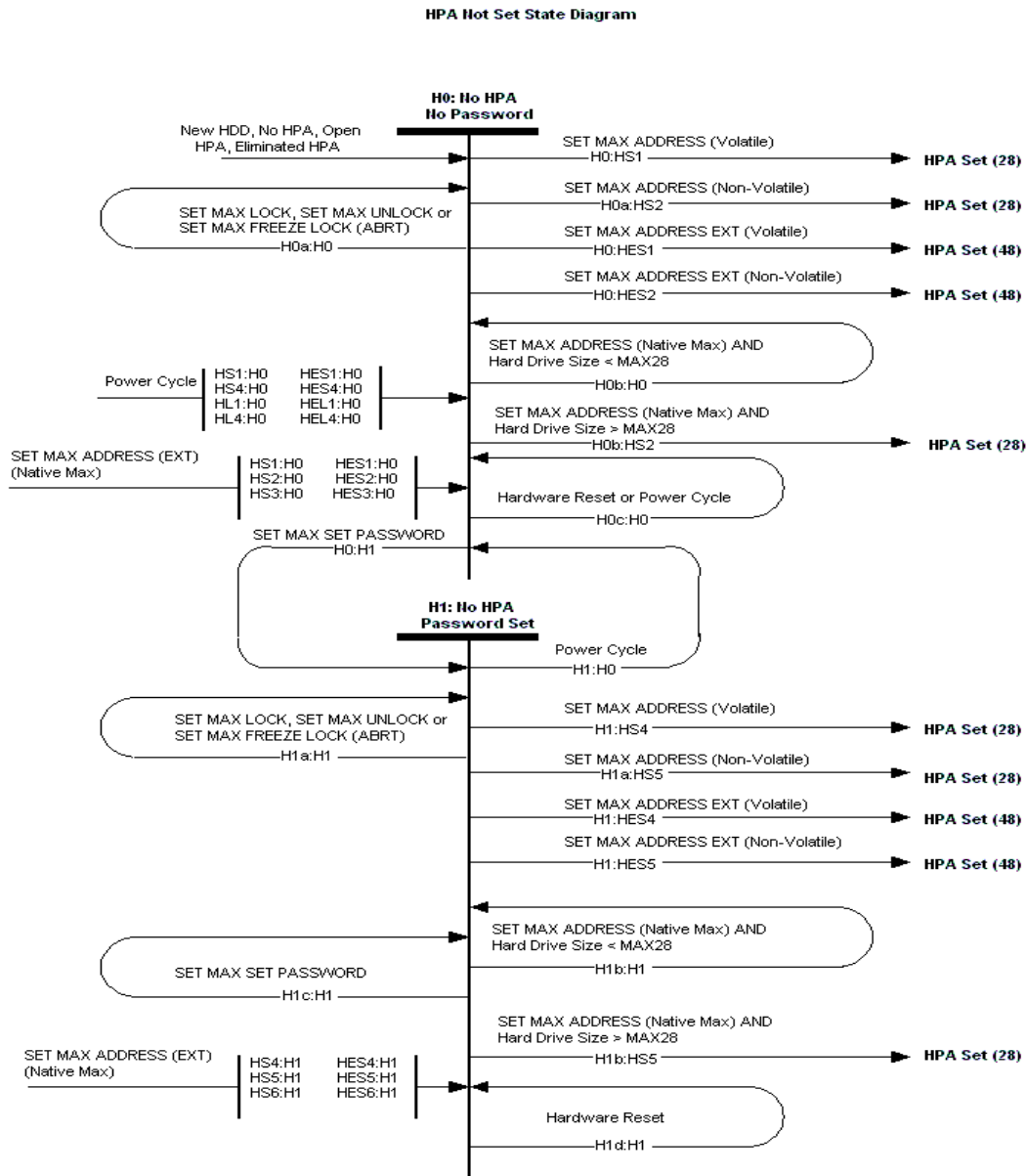


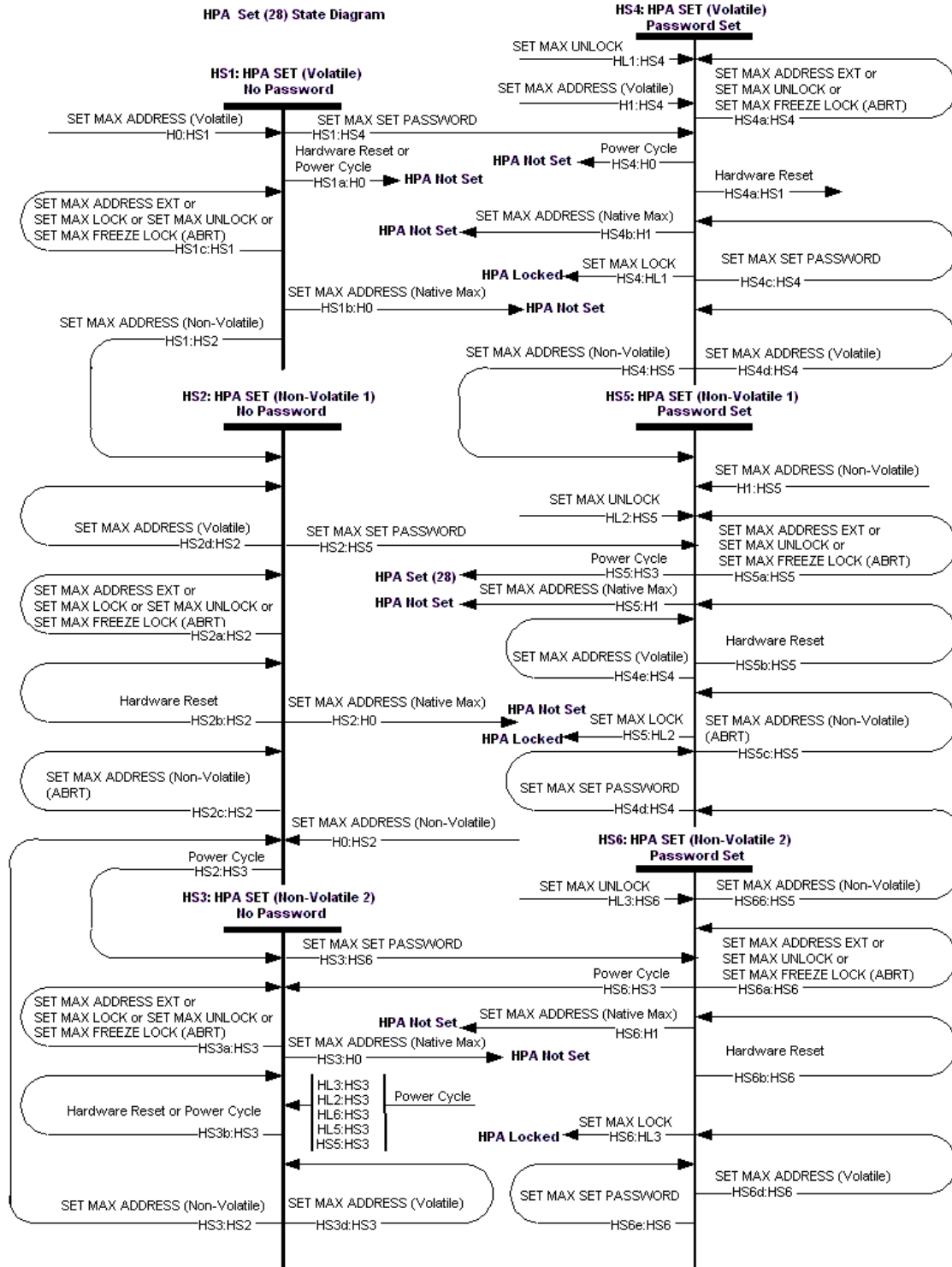
HPA Commands State Diagram

1. HPA Not Set State Diagram



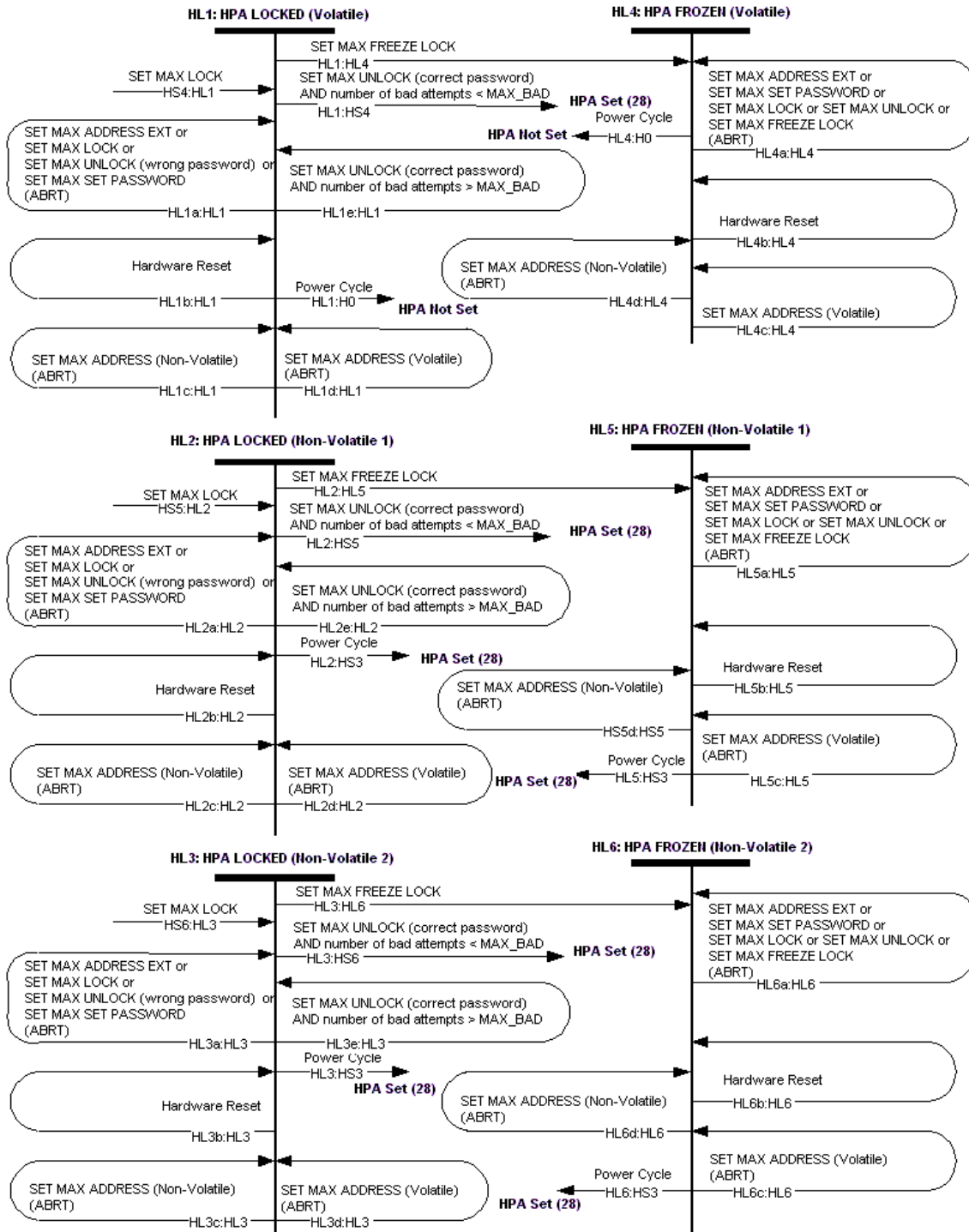
1. HPA is said to be *Open* or *Eliminated* when a SET MAX ADDRESS (EXT) is done at NATIVE MAX (EXT)
2. To redefine maximum address SET MAX ADDRESS (EXT) command shall be immediately preceded by a READ NATIVE MAX (EXT) command. If these commands are not immediately preceded by a READ NATIVE MAX (EXT) command, they will be aborted (ABRT).
3. To provide optional security extensions SET MAX SET PASSWORD, SET MAX LOCK, SET MAX UNLOCK, SET MAX FREEZE LOCK commands shall not be immediately preceded by a READ NATIVE MAX (EXT) command. If these commands are immediately preceded by a READ NATIVE MAX (EXT) command, they shall be interpreted as a SET MAX ADDRESS (EXT) command.
4. Only one SET MAX ADDRESS non-volatile allowed per power cycle
5. Volatile state means no non-volatile SET MAX ADDRESS (EXT) command has been issued after a volatile one.
6. Non-Volatile 1 state means a non-volatile SET MAX ADDRESS (EXT) command was issued after power cycle.
7. Non-Volatile 2 state means no non-volatile SET MAX ADDRESS (EXT) command was issued after power cycle
8. Maximum device capacity addressable by 28 bit commands is defined by MAX28 (268,435,455 sectors)
9. Maximum number of failed password attempts is defined by MAX_BAD (3 attempts)

2. HPA Set (28) State Diagram



4. HPA Locked (28) State Diagram

HPA Locked (28) State Diagram



5. HPA Locked (48) State Diagram

