Figure 1
Digital System with Conditional Access

* indicates where conditional access processes occur
Figure 2
Encryption Using a Secret Key

User A 10111101
Plaintext

Encryption Algorithm

01100001
Ciphertext

Decryption Algorithm

10111101
Plaintext

User B
Figure 3
Encryption Using a Public Key

User A
Plaintext
10111101
Encryption Algorithm

B’s Public Key

01100001
Ciphertext

Decryption Algorithm

User B
Plaintext
10111101

B’s Private Key

First Operation

Second Operation
Figure 4
Simple Digital Signature Process

User A

A’s Public Key

A’s Private Key

Encryption Algorithm

Decryption Algorithm

First Operation

Second Operation

Plaintext

Ciphertext

01100001

10111101

01100001

User B
Figure 7-5
OpenCable Two-Way Set-Top Terminal

Source: CableLabs Specification