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Pass Key by Reference Model.

If a device server processes a Set Data Encryption page with the ENCRYPT and DECRYPT bits both set to one and the KBR_C is set in the Data Encryption algorithm descriptor page. Then the data encryption keys may be passed by reference. In this configuration the client may be provided the key references from an independent key management server or may generate a list of key references that shall be matched in the device server to key values provided out of band.

The key references that are passed to the device server shall be passed in the key field(s) of the Set Data Encryption page with the Key Format field set to 01h.

A key reference shall be a vendor specific reference label that is uniquely associated to each key.