OEMCrypto Version Compatibility

Last Updated:March 14, 2019

Version	Date	Major New Features
v1-v8	2013	● Earlier versions are for Widevine Classic. ● Version 8 is first Modular DRM compatible API ● Includes support for DRM Certificates. ● At least 8 open sessions required.
v9	2/25/2014	● Initial support for usage tables which are required for offline licenses and secure stops.
v10	3/9/2015	● Improvements to feature reporting and testing. ● 4 keys / session required
v10.1	3/27/2015	● documentation and LoadTestRSAKey.
v10.2	4/21/2015	● document keybox layout
v10.3	9/23/2015	● document HDCP 2.2 requirements.
v11	10/31/2015	● Pattern encryption to support CENC 3.0. ● 20 keys / session required
v11.1	4/4/2016	● Specify buffer size requirements.
v11.2	5/16/2016	● Update offset values in DecryptCENC.
v12	11/28/2016	● Initial support for Provisioning 3.0 (i.e. using an OEM Certificate as root of trust instead of a keybox). ● At least 10 open sessions required.
v13	1/19/2017	● Larger usage tables. ● Analog output restrictions in key control block. ● Support for HDCP SRM update.
v13.1	1/31/2017	● Recent decrypt prevents usage report.

v13.2	5/16/2017	● Update key control block verification field.
v14	Dec 2017	● Support for Entitlement Licenses. ● Reporting analog restrictions. ● Cipher mode set when key selected, not when key loaded.
v14.1	5/16/2018	● Correct PST Report structure in docs.
v15	10/15/2018	● Resource Ratings (includes session and key requirements) ● Full decrypt path testing ● VM and Sandbox support

Android Mobile

Android OS	Release Date	OEMCrypto Version	New Device [1]	Device Upgrade [2]
Android Q	TBD	OEMCrypto v15	OEMCrypto v15	OEMCrypto v15
Android 9.0 P	August, 2018	OEMCrypto v14	OEMCrypto v14	OEMCrypto v13 or v14
Android 8.1 Oreo	December 2017	OEMCrypto v13	OEMCrypto v13	OEMCrypto v11
Android 8.0 Oreo	August 2017	OEMCrypto v11	OEMCrypto v11 (v12 or v13 supported but not recommended due to known issues)	OEMCrypto v11
Android 7.0 Nougat	August 2016	OEMCrypto v11	OEMCrypto v11	OEMCrypto v11
Android 6.0 Marshmallow	October 2015	OEMCrypto v10	OEMCrypto v10	OEMCrypto v10
Android 5.0 Lollipop	November 2014	OEMCrypto v9	OEMCrypto v9	OEMCrypto v9
Android 4.4 KitKat	October 2013	OEMCrypto v8	OEMCrypto v8	OEMCrypto v8
Android 4.3 Jelly Bean MR2	July 2013	OEMCrypto v8	OEMCrypto v8	OEMCrypto v8

1 - refers to a new device integration for the specified Android OS version.

2 - refers to a device OS upgrade to the specified Android OS version.

Android TV

Android OS	Release Date	OEMCrypto Version	New Device [1]	Device Upgrade [2]
Android Q	TBD	OEMCrypto v15	OEMCrypto v15	OEMCrypto v15
Android 9.0 P	August, 2018	OEMCrypto v14	OEMCrypto v14	OEMCrypto v14
Android 8.1 Oreo	December 2017	OEMCrypto v13	OEMCrypto v13	OEMCrypto v11
Android 8.0 Oreo	August 2017	OEMCrypto v11	OEMCrypto v11 (v12 or v13 supported but not recommended due to known issues)	OEMCrypto v11
Android 7.0 Nougat	August 2016	OEMCrypto v11	OEMCrypto v11	OEMCrypto v11
Android 6.0 Marshmallow	October 2015	OEMCrypto v10	OEMCrypto v10	OEMCrypto v10
Android 5.0 Lollipop	November 2014	OEMCrypto v9	OEMCrypto v9	OEMCrypto v9

1 - refers to a new device integration for the specified Android OS version.
2 - refers to a device OS upgrade to the specified Android OS version.

CDM Source (ce_cdm)

Source releases are on an annual release schedule with quarterly minor updates or bug fixes.

CE CDM Version	Recommended OEMCrypto Version	Minimum OEMCrypto Version	Status [1]
15.x.x	v15	v15	Supported
14.x.x	v14	v14	Supported
3.5.x	v13	v10	Supported
3.4.x	v12	v10	Not Supported
3.3.x	v11	v10	Not Supported
3.0.0	v10	v10	Not Supported
2.2.x	v8	v8	Not Supported

1 - refers to official Widevine support (development, testing and validation).

Cobalt

Cobalt Version	CE CDM Version	YouTube Living Room Specification (Year)	Status [1]
19	14.x	2019	Supported
11	3.5.x	2018	Supported
9	2.5.x	2017	Supported

1 - refers to official Widevine support (development, testing and validation).