EMV® Specification Bulletin No. 213 v1

May 2019

EMV 3-D Secure Device Information Data Version 1.1

This Specification Bulletin No. 213 v1 provides updates, clarifications and errata incorporated into 3-D Secure—Device Information Data Version 1.1 since version 2.1.0.

Applicability

This Specification Bulletin applies to:

- *EMV 3-D Secure—Device Information Data Version 1.1*

Updates are provided in the order in which they appear in the specification. Deleted text is identified using strikethrough, and red font is used to identify changed text. Unedited text is provided only for context.

Effective Date

May 2019

© 2019 EMVCo, LLC. All rights reserved. Reproduction, distribution and other use of this document is permitted only pursuant to the applicable agreement between the user and EMVCo found at www.emvco.com. EMV® is a registered trademark or trademark of EMVCo, LLC in the United States and other countries.

Contents

© 2019 EMVCo, LLC. All rights reserved. Reproduction, distribution and other use of this document is permitted only pursuant to the applicable agreement between the user and EMVCo found at www.emvco.com. EMV® is a registered trademark or trademark of EMVCo, LLC in the United States and other countries.

EMV 3-D Secure SDK—Device Information Data Version ~~2.2.0~~ 1.1

The *EMV 3-D Secure SDK—Device Information* has updated the version numbering as follows:

~~Version 2.1.0~~

Data Version 1.1

Chapter 1 Introduction

1.5 Data Version Number

Table 1.2 Data Version Numbers

Data Version Number	Protocol Version	Status
1.1	2.1.0 2.2.0	

Chapter 2 Device Information Parameters

2.1 Data Version

The device identification parameters that are described in this document constitute Data Version 1.1.

2.4 Common Device Identification Parameters Available in All Platforms

Note: If the value returned for a particular parameter is null, then the string value "null" shall be added for the parameter in the DD block.

Table 2.2 Common Parameters Available in Android, iOS and Windows 10 ~~Mobile~~ Platforms

Identifier	Parameter	Description	Permissions
C007		~~For example, in Windows 10 Mobile, AdvertisingManager.AdvertisingId retrieves a unique ID used to provide more relevant advertising.~~ For example, in Android, this ID can be retrieved using the advertising ID APIs available in the com.google.android.gms.ads.identifier package in the Google Play Services library.	No permissions required but privacy policy requirements may exist.

© 2019 EMVCo, LLC. All rights reserved. Reproduction, distribution and other use of this document is permitted only pursuant to the applicable agreement between the user and EMVCo found at www.emvco.com. EMV® is a registered trademark or trademark of EMVCo, LLC in the United States and other countries.

2.5 Android-Specific Device Parameters

Note: If the value returned for a particular parameter is null, then the string value “null” shall be added for the parameter in the DD block.

Table 2.3 Android-Specific Parameters

Group or Identifier	Element	Description	Comments	Permissions
`TelephonyManager`			`android.permission.READ_PHONE_NUMBERS`	
`A001`			Method `getDeviceId` deprecated in API level 26, instead use methods `getImei` which returns IMEI for GSM and `getMeid` which returns MEID for CDMA	
`A025`			~~Available only for API 23 or higher.~~ Available only from API level 23 to API level 27. Deprecated in API level 28, `TelecomManager.isTtySupported()` to be used instead from API level 28 onwards.	
`A040`		Returns the ~~set~~array of BluetoothDevice objects that are bonded (paired) to the local adapter.		
`A041`			Available only for API 18 or higher.	
`A052`		Radio firmware version number using `getRadioVersion()`.		
`A053`			Deprecated in API level 26, getSerial() to be used instead from API level 26 onwards.	

© 2019 EMVCo, LLC. All rights reserved. Reproduction, distribution and other use of this document is permitted only pursuant to the applicable agreement between the user and EMVCo found at www.emvco.com. EMV® is a registered trademark or trademark of EMVCo, LLC in the United States and other countries.

Group or Identifier	Element	Description	Comments	Permissions
A062			Available only for API 23 or higher.	
A064			Available only for API 23 or higher.	
A065			Available only for API 21 or higher.	
A067			Deprecated in API level 26.	
A076			Deprecated in API level 26.	
A077			Deprecated in API level 28, `LocationManager.isLocationEnabled()` to be used instead from API level 28 onwards.	
A078			Available only for API 21 or higher.	
A098			~~Available only for API 17 or higher.~~ Deprecated in API level 26.	
A103			Available only for API 23 or higher.	
A123			Available only for API 23 or higher.	
A125		Returns ~~a list~~an array of application packages that are installed on the device.		
A127		The 3DS SDK shall share only the ~~length~~count of items ~~of~~in this list and not the full list itself.		
A128		The 3DS SDK shall share only the count of items ~~length of~~in this list and not the full list itself.		

© 2019 EMVCo, LLC. All rights reserved. Reproduction, distribution and other use of this document is permitted only pursuant to the applicable agreement between the user and EMVCo found at www.emvco.com. EMV® is a registered trademark or trademark of EMVCo, LLC in the United States and other countries.

© 2019 EMVCo, LLC. All rights reserved. Reproduction, distribution and other use of this document is permitted only pursuant to the applicable agreement between the user and EMVCo found at www.emvco.com. EMV® is a registered trademark or trademark of EMVCo, LLC in the United States and other countries.

2.6 iOS-Specific Device Parameters

Note: If the value returned for a particular parameter is null, then the string value “null” shall be added for the parameter in the DD block.

2.7 Windows 10 Mobile-Specific Device Parameters

Note: If the value returned for a particular parameter is null, then the string value “null” shall be added for the parameter in the DD block.

Table 2.5 Windows 10 Mobile-Specific Parameters

Group or Identifier	Attribute	Description
W007		Note: Not applicable in desktop environment.

© 2019 EMVCo, LLC. All rights reserved. Reproduction, distribution and other use of this document is permitted only pursuant to the applicable agreement between the user and EMVCo found at www.emvco.com. EMV® is a registered trademark or trademark of EMVCo, LLC in the United States and other countries.

Legal Notice

The EMV® Specifications are provided “AS IS” without warranties of any kind, and EMVCo neither assumes nor accepts any liability for any errors or omissions contained in these Specifications. EMVCO DISCLAIMS ALL REPRESENTATIONS AND WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT, AS TO THESE SPECIFICATIONS.

EMVCo makes no representations or warranties with respect to intellectual property rights of any third parties in or in relation to the Specifications. EMVCo undertakes no responsibility to determine whether any implementation of the EMV® Specifications may violate, infringe, or otherwise exercise the patent, copyright, trademark, trade secret, know-how, or other intellectual property rights of third parties, and thus any person who implements any part of the EMV® Specifications should consult an intellectual property attorney before any such implementation.

Without limiting the foregoing, the Specifications may provide for the use of public key encryption and other technology, which may be the subject matter of patents in several countries. Any party seeking to implement these Specifications is solely responsible for determining whether its activities require a license to any such technology, including for patents on public key encryption technology. EMVCo shall not be liable under any theory for any party’s infringement of any intellectual property rights in connection with the EMV® Specifications

© 2019 EMVCo, LLC. All rights reserved. Reproduction, distribution and other use of this document is permitted only pursuant to the applicable agreement between the user and EMVCo found at www.emvco.com. EMV® is a registered trademark or trademark of EMVCo, LLC in the United States and other countries.