EMV® Specification Bulletin No. 223 v1
October 2019

EMV 3-D Secure SDK—Device Information Data Version 1.4 Updates, Clarifications and Errata

This Specification Bulletin No. 223 v1 provides updates, clarifications and errata incorporated into 3-D Secure—Device Information Data Version 1.4

Applicability

This Specification Bulletin applies to:

- *EMV 3-D Secure—Device Information Data Version 1.4*

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

October 2019

Contents

Chapter 1 Introduction

1.5 Data Version Number

Table 1.2 Data Version Numbers

Data Version Number	Protocol Version	Status
1.3	• 2.1.0 • 2.2.0 • 2.3.0	
1.4	• 2.1.0 • 2.2.0 • 2.3.0	• Active

Chapter 2 Device Information Parameters

2.1 Data Version

The device identification parameters that are described in this document constitute Data Version 1.~~3~~4.

2.2 Minimum Supported Platform Versions

Table 2.1 Minimum Supported Platform Versions

Platform	Minimum Version
Android	~~KitKat 4.4 (API version 19)~~ Android 5 (API version 21)
iOS	~~8~~ 10

Note: Note: The SDK can elect to support older versions of the OS if the versions are supported by OS providers.

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.~~

All parameters shall be encoded as String or Array of String. See Table 2.8 for examples.

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

		Description	Permissions
		The unique package name/bundle identifier of the application in which the 3DS SDK is embedded.	No permissions required.
C014	SDK App ID	Universally unique ID that is created for each installation of the 3DS Requestor App on a Consumer Device. Note: This should be the same ID that is passed to the Requestor App in the AuthenticationRequestParameters object (refer to Section 4.12.1 in the EMV 3DS SDK Specification).	No permissions required.
C015	SDK Version	3DS SDK version as applied by the implementer and stored securely in the SDK (refer to Req 58 in the EMV 3DS SDK Specification).	No permissions required.

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

*A070 DATA_ROAMING and A072 DEVICE_PROVISIONED were moved to the **Settings Global** group in Table 2.3.*

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.~~

Table 2.4 iOS-specific Parameters

Group or Identifier	Attribute	Description
NSBundle		A representation of the code and resources stored in a bundle directory on disk.
I014	appStoreReceiptURL	The file URL for the bundle's App Store receipt. https://developer.apple.com/documentation/foundation/nsbundle/1407276-appstorereceipturl This bundle property can be used to locate the receipt for an application purchased from the Apple App store. Indirectly, this property can be used to identify whether the App has been installed from the Apple App store.

2.7 Windows 10 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.~~

2.9 Reasons for Device Parameters Unavailability

Table 2.7 Device Parameter Unavailability Reasons

Group or Identifier	Description
RE04	Parameter value returned is null or blank.

2.10 Device Information JSON Data

If DD, DPNA, or SW is empty, the field shall not be present in the Device Information; meaning to be present, DD, DPNA, or SW shall contain at least one element.

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