

EMV® Specification Bulletin No. 117
Second Edition July 2022

Order of Data Elements in Templates

Applicability

This Specification Bulletin applies to:

- *EMV Integrated Circuit Card Specifications for Payment Systems Book 3 - Application Specification, Version 4.3, November 2011*

Related Documents

None

Effective Date

Immediate

Description

The first edition of SB-117 provided guidance on the behaviour of a terminal when it encounters tagged data elements in a template that are not in an order described in the specification. While the first edition of SB-117 was provided without requiring changes to the specifications, this behaviour is required of terminals. This 2nd edition is published to define the specific changes to the specifications to reflect this requirement of terminals.

Specification Changes

1. In Section 5.2, after the second paragraph (Upon receipt, ...in the application), insert following:

The actual order of tagged data elements within templates encountered by the terminal may differ from that described in the Specifications. The terminal shall not treat different ordering of data elements as an error.

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