EMV® Specification Bulletin No. 306
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Updates to EMV® Contactless Book C-6 – Kernel 6 Specification

This Specification Bulletin updates the Terminal Action Analysis flow in Book C-6.

Applicability

This Spec Bulletin applies to:

- *EMV Contactless Specifications for Payment Systems, Book C-6 – Kernel 6 Specification, Version 2.10, March 2021*
- *EMV Contactless Specifications for Payment Systems, Book C-6 – Kernel 6 Specification, Version 2.11, June 2023*

Related Documents

- *None*

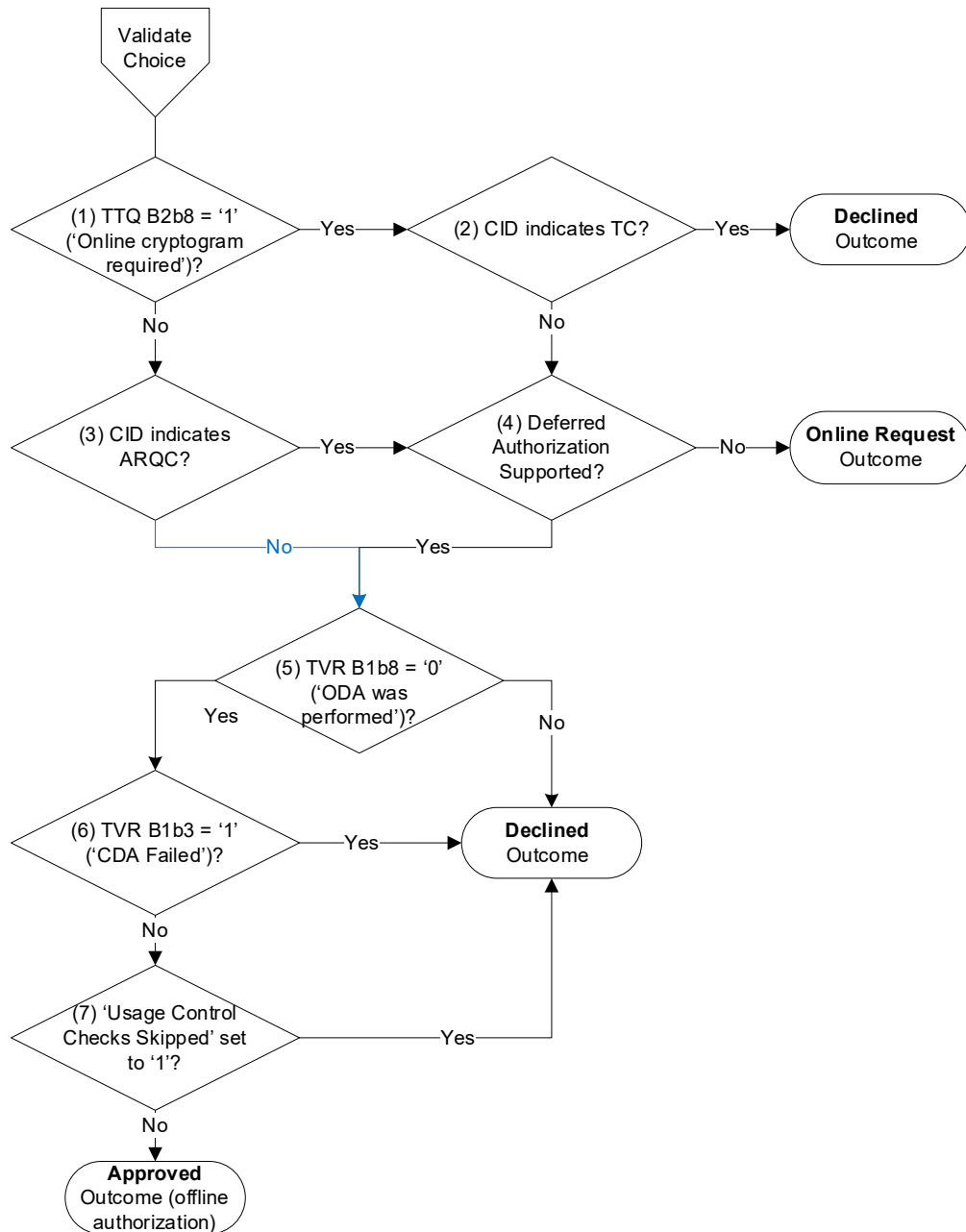### Effective Date

- *Immediate*

Description

This specification bulletin updates the Terminal Action Analysis flow in Book C-6, Kernel 6 Specification, to always check the Terminal Verification Results Byte 1 bit 8 when offline data authentication is required.

Updates are highlighted in blue.
Removals are highlighted in red with a ~~strikethrough~~.

Proposed Specification Changes

In Book C-6 section 3.9, update the 'No' branch for step 3 in Figure 3-19 "Terminal Action Analysis Process (Validate Choice)" and in its actions-table as follow:

#	Description
1	Kernel shall verify if an online cryptogram is required [TTQ B2b8 = '1' (Online Cryptogram required)].
	<table><tr><td>If…</td><td>Then…</td></tr><tr><td>Yes</td><td>Go to Step 2.</td></tr><tr><td>No</td><td>Go to Step 3.</td></tr></table>

#	Description
2	Kernel shall verify if the CID indicates TC based on the CID setting [i.e., CID B1b8-7 to '01' (01 = TC)]. • If the card has approved the transaction when the Kernel asked to go online (i.e., the CID indicates TC), the Kernel shall send a '***Declined***' Outcome (End the Terminal Action Analysis). • Else, go to Step 4.
3	Kernel shall verify if the card requests an online authorization (i.e., CID indicates ARQC, with CID B1b8-7 = '10'). | If…	Then…
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Yes	Go to Step 4.
No	Go to Step ~~6~~5.	
4	Kernel shall verify if it is configured for Deferred Authorizations (true if Deferred Authorization Supported flag is present and set to '1'). • If it is not configured for Deferred Authorizations, the Kernel shall send an '***Online Request***' Outcome (End the Terminal Action Analysis). • Else, go to Step 5.
5	Kernel shall verify that Offline Data Authentication (ODA) was performed (TVR B1b8 = '0'). • If ODA was not performed, the Kernel shall send a '***Declined***' Outcome (End the Terminal Action Analysis) • Else, go to Step 6.
6	If the transaction is not sent online and the CDA check is not equal to '1` [(TVR B1b3 = '0' (CDA did not fail)], the Kernel shall approve the transaction offline with '***Approved***' Outcome, (End the Terminal Action Analysis). Else the Kernel shall decline the transaction with '***Declined***' Outcome.
7	Kernel shall check if the application usage control checks were skipped ('Usage Control Checks Skipped' is set to '1'). • If 'Usage Control Checks Skipped' is set to '1', then the Kernel shall decline the transaction • Else, the Kernel shall approve the transaction offline

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