



**EMV® Specification Bulletin No.290**  
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**Update for EMV Book C-5**  
**Change to the Processing Requirement of CDA Signature**  
**Verification failure**

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***Applicability***

This Specification Bulletin applies to:

- *EMV® Contactless Specifications for Payment Systems, Book C-5 – Kernel 5 Specification, Version 2.10, March 2021*

***Related Documents***

- *None*

***Effective Date***

- *1 January 2024*
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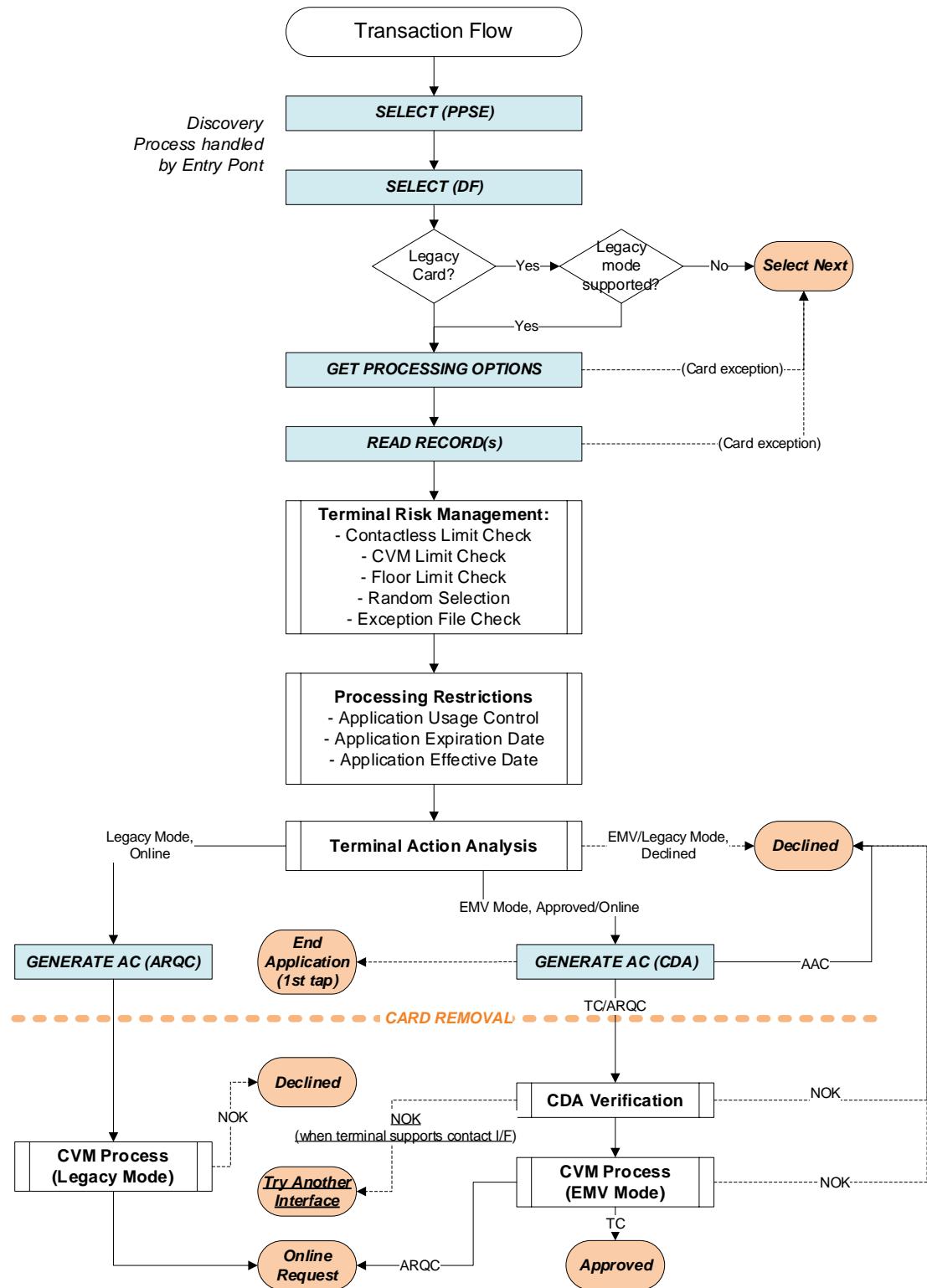
***Description***

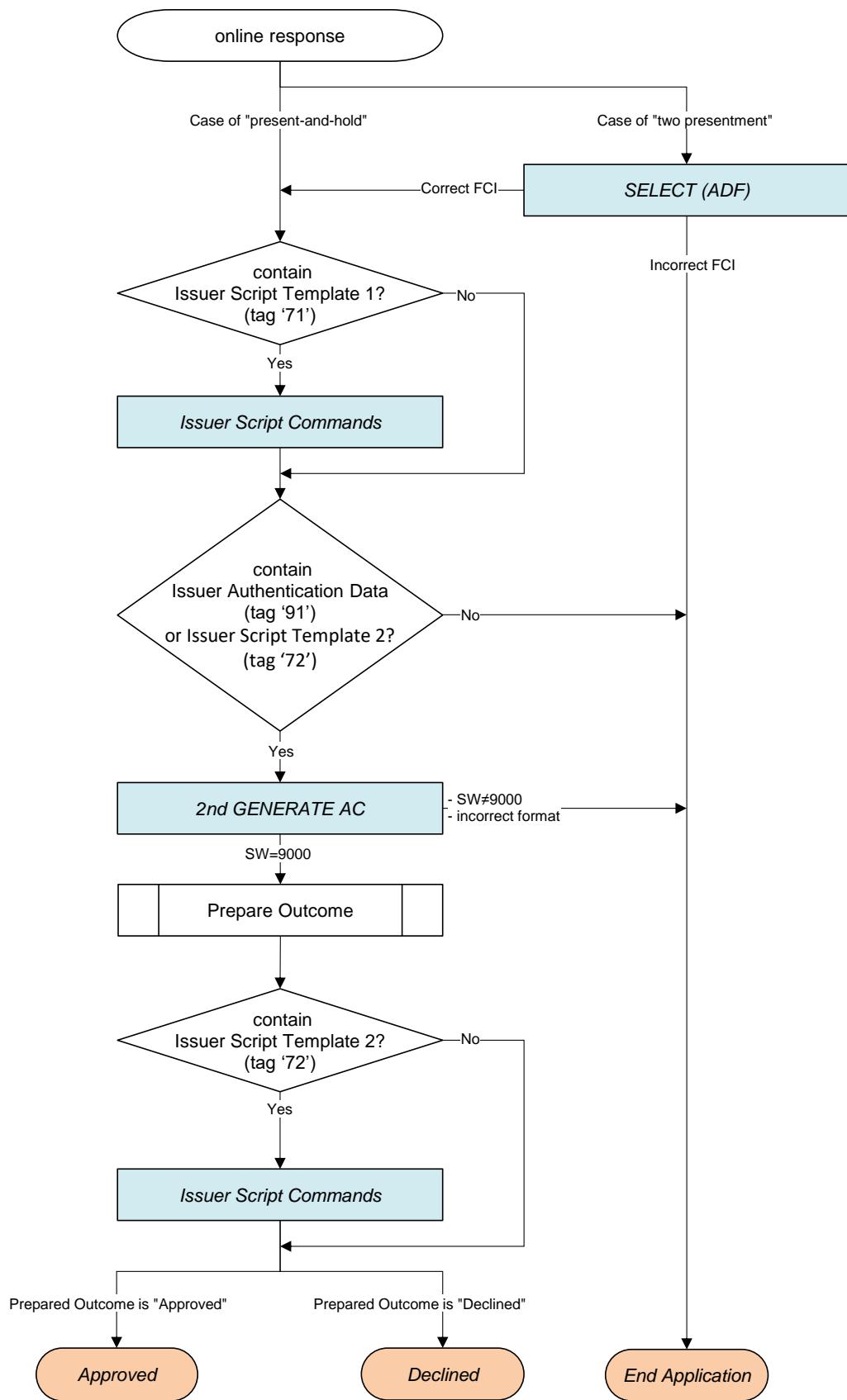
Currently, if CDA signature verification fails, the Kernel is required to terminate the transaction and provide a Decline Outcome as described in section 3.12.5. This specification bulletin changes the requirements to provide a Try Another Interface Outcome if the terminal supports the contact interface.

Also, this bulletin clarifies that TVR shall be updated in this case.

## ***Details of Changes***

(1) In section 2.3, replace Figure 2-1 with the following figure.





(2) Replace section 3.8.2.1 as follows.

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### Requirement – CDA Signature Verification

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3.8.2.1 **If** the card has returned a Signed Dynamic Application Data (tag '9F4B'),

**Then** the Kernel shall verify the signature as defined for CDA in [EMV Book 2] and [EMV Book 3], including the retrieval of ICC Public Key.

**If** any step of signature verification fails,

**Then**

If the Terminal Interchange Profile (dynamic) indicates 'EMV contact chip supported' (byte 1 bit 2 = '1'),

Then the Kernel shall terminate the transaction with a Try Another Interface Outcome as defined in section 3.12.6.

Else the Kernel shall decline the transaction as defined in section 3.12.5.

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(3) Replace footnote 6 in section 3.8.1 as follows.

The Kernel shall not change TVR after requesting GENERATE APPLICATION CRYPTOGRAM command and before providing the first Outcome, except the case of the failure of CDA Signature Verification (see 3.8.2.1).

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