



Technical Service Bulletin

To: Helpdesk and Field Service Personnel

From: Allied Helpdesk

Date: August 2, 2023

Re: Allied EMV Prep and Execution TSB

This technical service bulletin should be reviewed thoroughly prior to enabling EMV at a location using an Allied Electronics forecourt controller.

1. Allied Firmware:
NeXGen, NeXGen Prime, or Aegis running the latest TXA firmware version. Minimum requirement is TXA6605 Rev 23.
2. Allied File Verification
 - SiteCfg.xml- is updated with:
 - I. Quick EMV setting (Y or A)
 - II. Contact and Contactless transaction amounts
 - III. Fallback limit
 - IV. CRIND Download Limit (8 is recommended)
<Crind DownloadLimit="8"/>
 - V. TLS Handshake Limit (no more than 4 is recommended)
<TLS ChannelType="CH_TYPE_GIL_CRIND" HandshakeLimit = "2"/>
 - FpCfg.xml- is updated with:
 - I. All required CRIND/CAT IP addresses be included in the file by FP
 - II. EMV="True" included for all FP ID's
 - III. If enabling P2PE, include <P2PE Type="VCL"/> for all FP ID's
 - IV. If enabling TLS, include <TLS/> for all FP ID's.
 - V. Enable logging at each FP.
Gilbarco: <LogStyle>1</LogStyle>
Wayne: <LogStyle>7</LogStyle>

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VI. Enable Debug at each FP: <Debug DptDebug="Y">Y</Debug> **Enabling Logging and Debug does help with troubleshooting if there are issues at the time of conversion and/or download.

- MsgFile.xml- If referencing a MsgFile, verify that it is updated with all required EMV prompts.

***If any changes are made to these XML files, increment the <Version> before loading through CF Access of DGS. This tells the NeXGen, NeXGen Prime, or Aegis that a change was made to the file.

3. EMV Configuration Files:

Depending on the dispenser manufacturer, the following EMV files are required in the XML directory of the NeXGen, NeXGen Prime, or Aegis controller. The following would be configured by the merchant depending on AIDs accepted and the desired configuration applied.

- Schemes.xml
- Pub_Keys.xml
- Term.XML
- AID_Filter.xml
- REVOKED.TAB
- TRAN_EXT.TAB
- TRAN-INI.TAB
- Groups.xml (contactless)
- ID005_0_contlemv.cfg (this is built from the Groups.xml and will populate in the Gilbarco M5 or M7 folder)*
- ID006_0_capk.cfg (this is built from the Groups.xml and will populate in the Gilbarco M5 or M7 folder)*
- No Output file is created from Groups.xml for Wayne.

*All M5 and M7 resource files must be production signed! Development signed resource files will not work in a live site. The tech/user should also NOT copy, delete, or change the ID005 or ID006 files.

***If any changes are made to these XML files, increment the <Version> before loading through CF Access of DGS. This tells the NeXGen, NeXGen Prime, or Aegis that a change was made to the file.

4. "TLS Mode" at the CRIND must be set to DISABLE by the dispenser technician if it is not being used at the site. The CRINDs will not communicate otherwise.
5. "Interface" at the CRIND must be set to IP.

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6. Initialize the Card Readers: Once all files are downloaded, initialize the card readers by sending the DPT00 fIXX command (DPT fI "capital I" XX FP number)
For example: DPT00 fI01
7. Validate the CRIND Type by observing the correct type in the logs. For example:
- SSC00NKDPT0500210208174252AN01 Trn# 00008 Crind Type **25 M7**
 - SSC00NKDPT0500210208174252AN01 Trn# 00008 Crind Type **24 M5**
 - "E700 Compatibility" is configured at the CRIND and must be verified by the dispenser technician. The M7 requires "E700 Compatibility" to be set to DISABLE.
8. Validate that EMV tables load for each terminal:
SSC00NKDPT0100210113110101LN02 Trn# 00127 EMV Table Status: 0 0 0 0 0 0 0 0 0 0
- Status of all zeros means that the CRIND has successfully downloaded all tables and is ready for EMV traffic.
 - If any of these tables responds with a non-zero, an issue has occurred with the EMV download.
Example of a bad table load: SSC00NKDPT0100210113110101LN02 Trn# 00127 EMV Table Status: 1 1 1 1 1 1 1 1 1 1

The CRIND may need to be reinitialized via the DPT00 fHXX command (XX being the FP).

Certified EMV Card Reader and Kernel Versions

Gilbarco		Wayne		
Kernel		Kernel		
3.09		2.8.0.0 (4.3h)		
3.10		2.4.0.0 (4.3e)		
3.12		2.4.0.0 (4.3h)		
		2.7.0.0 (4.3h)		
Card Reader EMV Package				
52.11.42				
52.11.45		Card Reader EMV Package		
52.11.47		IX 2.8.105.57		
52.11.53		IX 3.1.207.57		
52.12.43		IX 2.8.201.96		
52.13.06		IX 2.8.201.105		
52.13.14		IX 3.1.201.132		
52.22.47				
CRIND BIOS 40.5.11		T7 3.1.203.92		
CRIND BIOS 40.5.21		Anthem 3.1.203.126		

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Please contact Allied Electronics Technical Support with any questions or concerns:

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