

**Verifone®**

**Outside Contactless Settings**

**(EMV vs Non-EMV)**

**Quick Reference Guide**

**Verifone®**  
**Training Services**



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### Document Revision History

Revision Version	Revision Date	Author	Description
1.0	2/22/2022	Robert e2	Document Origination
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## Introduction

Outdoor Contactless EMV has two main requirements

1. It must be certified and supported in the Commander Application
2. Equipment and Firmware in the forecourt must support it.

## Determining Outside Contactless EMV Support per Commander Application

There are two main areas that must be checked when determining outside contactless configuration. The release notes for the application and the EMV readiness site at <https://www.vfne.co/verifone-petro-emv-updates>

### Release notes

#### 53.20 +

Refer to the DCR Firmware Supported Section near the back of the document for contactless EMV certification. See examples below.

FlexPay IV	
EMV Certification	
EMV Contact	Certified
EMV Contactless	Not Certified
Supported Options	Recommended Minimum UPM Bundle
EMV (PCI DSS 5.0)	52.11.47
EMV (PCI DSS 4.0)	42.11.47
Graphics	42.05.11 - P609
Applause (Graphics)	42.05.11 - P609
Cash Acceptors	42.05.11 - P609
Scanner	
Contactless (RFID) with UX 400	42.05.11 - P609

iX Pay 1		
EMV Certification		
EMV Contact		Certified
EMV Contactless		Certified
Supported Options		Recommended Minimum Version
Serial		2.8.102.80
EMV - IP > NFC Mode	EMV Contactless or MSD Contactless	2.8.203.9
	Contactless Disabled	2.8.105.9
Contactless Reader		26100 A 02
Cash Acceptors		2.5.15.0
Graphics		2.5.15.0
Scanner		2.5.15.0

**Note:** These illustrations are examples only. Always check the release notes for the actual application being installed.

**Prior to 53.20**, the Important Information section at the beginning of the release notes would call out EMV certification status as in the example below. Note that contactless is not mentioned in conjunction with Outdoor EMV – indicating that it is not supported.

<p><b>Contactless EMV with MX 900 Series PINpad</b> This software version supports Contactless EMV with MX 900 Series PINpad only.</p> <p><b>Contact Indoor and Outdoor EMV Certified</b> This software version supports Contact Indoor and Outdoor EMV.</p>
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<https://www.vfne.co/verifone-petro-emv-updates>

Here, look for status: “Production” in the Contactless section. The following illustration indicates that Buypass Generic has certified Outdoor Contactless in Base 53.20+.

Processor Network /Brand	Gilbarco FP 2/4 (Contactless)		Wayne XPay 01/02 (Contactless)	
	Status	Target to Customer Labs	Status	Target to Customer Labs
BP	In Cert	May 2022	In Cert (Base 53.20+)	Mar 2022
Buypass	In Cert	April 2022	Production (Base 53.20+)	Production

**Note:** There are two separate tables on this page. The first table covers “Contact” EMV readiness. For “Contactless”, scroll down to the second table and ensure that “Contactless” is displayed at the top of each column.

## Global Settings for Outside Contactless

Please Ensure that you are following the instructions in the Outside EMV Feature Reference on the Premier Portal under *Manage > Petro Downloads > Features Reference*. This QRG will call out some commonly misunderstood settings but doesn't cover the entire configuration.

### Payment Controller

In configuration Client, under *Payment Controller > EPS Global Configuration > EMV: Terminal Configuration*, “Contact and Contactless” should ONLY be selected for Outside if the following conditions are met. Otherwise, the correct selection is “Contact”.

1. It must be certified and supported in the Commander Application
2. Equipment and Firmware in the forecourt meet the requirements of the application release notes. The examples below assume that hardware and firmware at the DCRs have been updated for OEMV.

## Outside Contactless EMV Supported (per release notes and readiness site)

The screenshot shows a configuration window with two sections. The top section, 'Config Type', has a dropdown menu with 'INSIDE' selected and 'OUTSIDE' highlighted. The bottom section, 'Terminal Configuration', has three labels: 'EMV Enable Status', 'OPT Contact Auth Amount Prompting', and 'Contactless Auth Amount'. The 'EMV Enable Status' dropdown menu is open, showing 'CONTACT AND CONTACTLESS' selected, with 'DISABLE' and 'CONTACT' also visible.

## Outside Contactless EMV not supported (per release notes and readiness site)

The screenshot shows a configuration window similar to the one above. The 'Config Type' dropdown has 'OUTSIDE' highlighted. The 'EMV Enable Status' dropdown menu is open, showing 'CONTACT' selected, with 'DISABLE' and 'CONTACT AND CONTACTLESS' also visible.

**Note:** If no EMV payments (contact or contactless are accepted outside then “Disable” would be the correct selection.

## Forecourt

In configuration Client, under *Forecourt > DCR > DCR Position Attributes*, there is a new setting in Base 53.20+.

The screenshot shows a configuration window with three settings: 'Enable Debit' with a checked checkbox, 'Menu Capable' with a checked checkbox, and 'NFC Mode' with a dropdown menu. The dropdown menu is open, showing 'Contactless EMV Enabled' selected, with other options: 'Contactless Disabled', 'Contactless MSD Enabled', and 'Contactless EMV Enabled'.

**Contactless EMV** is the appropriate selection if all the requirements listed above are met for contactless EMV.

If contactless EMV is not supported or configured for the location, then selecting “**Contactless MSD**” (Magnetic Stripe Data) will allow non-EMV contactless transactions to be processed by the DCR.

**Note:** DCR Position Attributes must be configured separately for each DCR position.



## Outside Contactless Configuration Examples

### OEMV Contactless Supported

Outside Contactless EMV is supported (per release notes and readiness site. Hardware and Firmware up to date.)

**All Base 53 Applications** (*Payment Controller > EPS Global Configuration > EMV: Terminal Configuration*)

The screenshot shows a configuration window with the following elements:

- Config Type**: A dropdown menu with 'INSIDE' selected and 'OUTSIDE' highlighted in blue.
- Terminal Configuration**: A section header.
- EMV Enable Status**: A dropdown menu with 'CONTACT AND CONTACTLESS' selected and 'CONTACT' highlighted in blue.
- OPT Contact Auth Amount Prompting**: A text label.
- Contactless Auth Amount**: A text label.

**Base 53.20+** (*Forecourt > DCR > DCR Position Attributes*)

The screenshot shows the following configuration options:

- Enable Debit**:
- Menu Capable**:
- NFC Mode**: A dropdown menu with 'Contactless EMV Enabled' selected and highlighted in blue.

**Earlier Base 53 applications** (*Forecourt > DCR > DCR Position Attributes*)

The screenshot shows the following configuration options:

- Enable Scanner**:
- Enable Debit**:
- Enable RFID**:
- Menu Capable**:



### No OEMV Contactless, No Non-EMV Contactless

Outside Contactless EMV not supported (per release notes and readiness site. Hardware and Firmware may or may not be up to date) – *Non-EMV contactless NOT allowed*

**All Base 53 Applications** (*Payment Controller > EPS Global Configuration > EMV: Terminal Configuration*)

The screenshot shows the 'EMV: Terminal Configuration' interface. At the top, 'Config Type' is set to 'INSIDE' with a dropdown menu open showing 'INSIDE' and 'OUTSIDE'. Below this, 'EMV Enable Status' is set to 'CONTACT' with a dropdown menu open showing 'CONTACT', 'DISABLE', 'CONTACT', and 'CONTACT AND CONTACTLESS'. Other fields like 'OPT Contact Auth Amount Prompting' and 'Contactless Auth Amount' are visible but not selected.

**Base 53.20+** (*Forecourt > DCR > DCR Position Attributes*)

The screenshot shows the 'DCR Position Attributes' settings. 'Enable Debit' and 'Menu Capable' are both checked. 'NFC Mode' is set to 'Contactless Disabled' with a dropdown menu open showing 'Contactless Disabled', 'Contactless MSD Enabled', and 'Contactless EMV Enabled'.

**Earlier Base 53 applications** (*Forecourt > DCR > DCR Position Attributes*)

The screenshot shows the 'DCR Position Attributes' settings for earlier applications. 'Enable Scanner' is unchecked, 'Enable Debit' is checked, 'Enable RFID' is unchecked, and 'Menu Capable' is checked.

## No OEMV Contactless, Allowing Non-EMV Contactless

Outside Contactless EMV not supported (per release notes and readiness site. Hardware and Firmware may or may not be up to date) – *Non-EMV contactless IS allowed*

**All Base 53 Applications** (*Payment Controller > EPS Global Configuration > EMV: Terminal Configuration*)

The screenshot shows the 'Terminal Configuration' section of the EMV settings. The 'Config Type' is set to 'INSIDE'. The 'EMV Enable Status' is set to 'CONTACT'. The 'OPT Contact Auth Amount Prompting' is set to 'DISABLE'. The 'Contactless Auth Amount' is set to 'CONTACT AND CONTACTLESS'. A dropdown menu is open for 'EMV Enable Status', showing options: CONTACT, DISABLE, CONTACT, and CONTACT AND CONTACTLESS.

**Base 53.20+** (*Forecourt > DCR > DCR Position Attributes*)

The screenshot shows the 'DCR Position Attributes' settings. 'Enable Debit' and 'Menu Capable' are both checked. 'NFC Mode' is set to 'Contactless MSD Enabled'. A dropdown menu is open for 'NFC Mode', showing options: Contactless MSD Enabled, Contactless Disabled, Contactless MSD Enabled, and Contactless EMV Enabled.

**Earlier Base 53 applications** (*Forecourt > DCR > DCR Position Attributes*)

The screenshot shows the 'DCR Position Attributes' settings for earlier Base 53 applications. 'Enable Scanner' is unchecked. 'Enable Debit', 'Enable RFID', and 'Menu Capable' are all checked.





## Glossary

**DCR** – “Dispenser Card Reader” This refers to any card terminal built into a fuel dispenser.

**EMV** - Stands for “Europay Mastercard Visa”. This is a payment method that requires card transactions to be processed using the integrated smart card chip instead of the magnetic stripe.

**OEMV** – Outside EMV.

**Contact** – In a “Contact” transaction, the card must be inserted into the card reader for direct contact with the integrated smartcard chip.

**Contactless** – In a “Contactless” transaction, the card can be tapped or placed on the surface of the card reader.

**Contactless MSD** – This is a forecourt setting. MSD stands for “Magnetic Stripe Data”. Enabling contactless MSD indicates that the user intends to allow non-EMV compliant contactless transactions at the DCR.

**Contactless EMV** – This is a forecourt setting. Enabling Contactless EMV indicates that the user intends to allow EMV compliant transactions at the DCR. This requires the following:

1. The POS application must support contactless OEMV.
2. The dispenser type must be supported.
3. The DCR hardware and firmware must be updated to support OEMV contactless.
4. Outside Contactless EMV must be enabled in the Payment Controller Menu.

**RFID** – “Radio Frequency Identification”. This is a communication protocol used to transmit data over very short distances.

When enabled in DCR configuration on an earlier Base 53 application, RFID will allow any contactless transaction.

If OEMV contactless is enabled in Payment Controller, then RFID applies to EMV.

If OEMV is set to “Contact” or “Disabled” in Payment Controller, then enabling RFID will allow non-EMV contactless.

**Make sure to always check release notes and download the latest version of the Commander Outside Contact EMV Feature Reference before attempting to configure Outdoor EMV.**