

This document lists recommended configurations (the "Configurations") that have been tested at a MasterCard accredited lab by the named solution vendor.

Before listing the Configurations, MasterCard has taken reasonable steps to ensure the appropriate level testing has been successfully performed.

MasterCard makes no representations or warranties of any kind, express or implied, with respect to the Configurations or the listing.

To the extent possible in applicable law, MasterCard (and its group companies) specifically disclaims all representations and warranties with respect to the Configurations including but not limited to any and all implied warranties of title, non-infringement, or suitability for any purpose (whether or not MasterCard has been advised, has reason to know, or is otherwise in fact aware of any information) or achievement of any particular result.

FW upgrade does not extend the scope of configuration previously approved. A device that was not approved for HCE does not automatically become approved for HCE when upgrading to a FW version approved for HCE. All vendors must have submitted a representative product of each of their family of products for Android L upgrade and HCE approval before proceeding with an upgrade of FW qualified for SE and HCE support.

The upgrade to a FW qualified for SE and HCE must not change the routing configuration of the originally approved product.

Y - Upgrade permitted without device registration/testing
F - Allowed if device is registered and passes full testing
N - No upgrade nor downgrade allowed
T - Upgrade only permitted after device is registered and passes required tests.

MasterCard reserves the right to change the list of approved firmware without prior notice

Upgrade must use the same subversion number .xxx

When upgrading to a new firmware version, the CLF must not be changed.

MasterCard strongly recommends that contactless transactions using a mobile device are not possible when the device is powered off.

Hence performing contactless transactions with mobile powered off is out of scope of MasterCard testing/firmware validation.

Device S3FNRN3 - SENN3DC F/W sec_s3fmrn3_firmware for Android

M/W CLF LibNfc, Version 1.0.0


Android 4.3 and 4.4


Firmware version after upgrade

Firmware version currently in use		1.1.21	1.2.2	1.2.6	1.2.9	1.2.11	1.2.12
1.1.21	-	N	N	N	N	N	N
1.2.2	Y	-	N	N	N	N	N
1.2.6	Y	Y	-	N	N	N	N
1.2.9	Y	Y	Y	-	N	N	N
1.2.11	N	N	N	N	-	N	N
1.2.12	T	T	T	T	T	T	-

* Only approved for SWP Handsets

** for Handsets with eSE only

 : FW is qualified for payments with SE (UICC or eSE)

 : FW is qualified for payments with HCE and SE

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M/W CLF LibNfc, Version 1.0.0
M/W CLF SNFC-TLDEV 1.1.0

Android 4.4.2 to 4.4.4
Android 5.0 to 5.1 (from FW 1.2.3)

Device S3FWRN5 - SENN5DC **F/W** sec_s3fwrn5_firmware for Android

		Firmware version currently in use										
		1.1.9*	1.1.10**	1.1.11	1.1.13	1.1.14	1.1.15	1.2.2	1.2.3*	1.2.4*	1.2.5*	1.2.6*
Firmware version after upgrade	1.1.9*	-	N	N	N	N	N	N	N	N	N	N
	1.1.10**	N	-	N	N	N	N	N	N	N	N	N
	1.1.11	Y	N	-	N	N	N	N	N	N	N	N
	1.1.13	Y	Y	Y	-	N	N	N	N	N	N	N
	1.1.14	Y	Y	Y	Y	-	N	N	N	N	N	N
	1.1.15	N	N	N	N	N	-	N	N	N	N	N
	1.2.2	Y	Y	Y	Y	Y	Y	-	N	N	N	N
	1.2.3*	Y	Y	Y	Y	Y	Y	Y	-	N	N	N
	1.2.4*	Y	Y	Y	Y	Y	Y	Y	Y	-	N	N
	1.2.5*	Y	Y	Y	Y	Y	Y	Y	Y	Y	-	N
	1.2.6*	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	-

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Device **SENN3AB**

F/W **sec_senn3ab_firmware**

M/W CLF LibNfc Version 1.1.0

		Firmware version currently in use						
		1.24	2.12*	2.18*	2.23*			
Firmware version after upgrade	1.24	-	N	N	N			
	2.12*	Y	-	N	N			
	2.18*	Y	Y	-	N			
	2.23*	Y	Y	Y	-			

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Device **SENN3AB** F/W **sec_senn3ab_firmware**

M/W CLF SENN3AB Middleware 1.0722 (Compatible with v1.3.0 and v1.3.2)
M/W CLF snfc-sh_n3ab_ios_150303_007 (Compatible with 1.4.5, 1.5.5, 1.4.7 & 1.4.8)
M/W CLF SENN3AB Middleware 2.4024 (Compatible with v1.3.4)

		Firmware version currently in use						
		1.3.0	1.3.2*	1.4.5*	1.5.5*	1.4.7*	1.4.8*	1.3.4*
Firmware version after upgrade	1.3.0	-	N	N	N	N	N	N
	1.3.2*	Y	-	N	N	N	N	N
	1.4.5*	Y	Y	-	N	N	N	N
	1.5.5*	Y	Y	Y	-	N	N	N
	1.4.7*	T	T	T	T	-	N	N
	1.4.8*	N	N	Y	Y	Y	-	N
	1.3.4*	T	T	N	N	N	N	-

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Device **S3FWRN5P - SENN5DDP** F/W **sec_s3fwrn5p_firmware** M/W CLF **SNFC-TLDEV 1.1.0** Android **5.0 Onwards**

		Firmware version currently in use							
		2.2.0**	2.2.3	2.2.4	2.2.5				
Firmware version after upgrade	2.2.0**	-	N	N	N				
	2.2.3	T	-	N	N				
	2.2.4	T	Y	-	N				
	2.2.5	Y	Y	Y	-				

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Device S3FWRN5S - SENN5DD5 **F/W** sec_s3fwrn5s_firmware **M/W CLF** SNFC-TLDEV 1.1.0 **Android** 5.0 Onwards

		Firmware version currently in use		
		2.4.2	2.4.3	2.4.4
Firmware version after upgrade	2.4.2	-	N	N
	2.4.3	Y	-	N
	2.4.4	T	T	-

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Device S3FWRN7 **F/W** sec_s3fwrn7_firmware **M/W CLF** SNFC-TLDEV 1.1.0 **Android** 5.0 Onwards

		Firmware version currently in use		
		3.1.5*	3.1.6*	3.1.7*
Firmware version after upgrade	3.1.5*	-	N	N
	3.1.6*	Y	-	N
	3.1.7*	Y	Y	-

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 ** for Handsets with eSE only

: FW is qualified for payments with SE (UICC or eSE)
 : FW is qualified for payments with HCE and SE