# Mastercard Tap on Phone

The customer needs to be registered at Mastercard and it is essential to read all the required documents such as specifications, terminal implementation requirements, test environment, etc.

• The customer can only perform debug tests of the application by themselves, but the test plan is confidential!

• The customer chooses between three different process variations (please refer to 'Level 2 Functional Evaluations Guidelines' document).

Depending on the selection, the customer provides only the apk or the desired NFC mobile(s) devices (two identical samples per model) to the lab.

The lab must keep these samples for at least four years.

• The customer must mark the antenna parameters on delivered mobiles correctly:
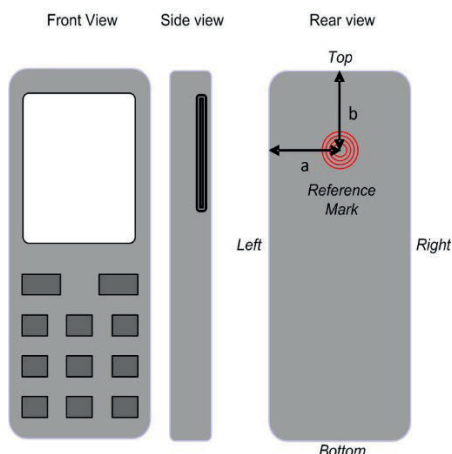
• The customer must provide complete setup instructions.

• The customer must send a fully documented DTE (if required), including all appropriate configuration files according to the Mastercard test environment document.

• It is acceptable for the customer to provide two different apks:

- One with logging features disabled, but with security enabled to run performance testing and/or compatibility tests for cell phones
- One with activated logging functions for the conduction of functional tests. This apk might be less secured or not secured at all

In case, the customer provides several apks, for reasons other than those described above, Mastercard should be contacted for approval.

• The testing scope varies depending on the selected process (please refer to the 'Level 2 Functional Evaluations Guidelines' document).

• MCL v3.1.4 is mandatory, Specification Bulletin 261 is optional.

• Test tools available in the lab are FIME EVAL and Galitt KaNest

• Mastercard application tests can be performed with automation called "TEI" to reduce testing time and costs; >90% of test cases must be performed in automation mode (however, for first TA approval of a new product, manual regression must also be performed). TEI implementation is currently not mandatory!

• Customer fills in the registration for contactless reader form -> send directly to Mastercard -> Mastercard creates TEPS (Terminal Evaluation Plan Summary) -> Customer sends the signed TEPS to the lab

The lab needs these documents before starting the TA. The sales department needs TEPS in order to prepare an appropriate offer, as the scope of testing is specified in TEPS.

• After the TA test (type approval) has started, NO CHANGES are allowed, otherwise we have to restart.
• Any problem in the TA must be reported to Mastercard.
• The lab must start with performance tests -> if they fail, the whole session must be stopped (show stopper)
• After the TA session, the lab provides the DRAFT test report to the customer for review
• If the customer accepts it, the test report will be sent to Mastercard
• LoA is valid for three years