

**MasterCard Worldwide**

2000 Purchase Street  
Purchase, NY 10577  
USA



**MasterCard**  
Worldwide

Vincent Chuang  
Castles Technology Co., Ltd.  
2F, No.205, Sec 3 Beixin Rd.,  
Xindian City,  
Taipei Country 23143,  
Taiwan, R.O.C.

May 7, 2010

Dear Vincent:

**MasterCard® PayPass™ Vendor Product – Letter of Approval**

Approval Identifier: TLOA-CAST-100401-100507  
Approval Expiration Date: May 7, 2013  
Product Vendor: Castles Technology Co., Ltd.  
Vendor Product Name: QProx V2.0  
Product Identifier Name: 403201303  
Product Type: Intelligent Card Reader  
PayPass Application Name: CAS-QP3000-AP v205  
Technical Features (\*): Online capable

CVM Configuration	Below CVM limit	Above CVM limit
OnlinePIN + SGN + noCVM	XXXXXXXXXX	Not Approved
No Online PIN + SGN + noCVM	XXXXXXXXXX	Not Approved
OnlinePIN + No SGN + No noCVM	XXXXXXXXXX	Not Approved
No Online PIN + No SGN + noCVM	Approved	Approved

Test Registration Number: CAST-100401  
EMVCo Letter of Approval – 10014 0310 200 20 FMT  
Terminal Level 1:  
Level 2 Test Assessment Certificate: T CAST1 1005 L2\_01

(\* ) Please contact the product vendor to obtain the full description of all the technical features

Under the terms of the *PayPass* Specification License Agreement dated 2<sup>nd</sup> March 2005, this letter permits you to advise your customers that the above product has successfully completed the requirements for a vendor product approval by MasterCard as a **PayPass Reader supporting both Magnetic Stripe and M/Chip profiles**.

**Please see page 2 for the Conditions of Approval.**

This letter does not constitute an endorsement or warranty by MasterCard regarding the functionality, quality or performance of the submitted product, including without limitation any warranties of merchantability, fitness for purpose or non-infringement, all of which are expressly disclaimed by MasterCard.

The product will be listed on the MasterCard *PayPass* web site as an approved *PayPass* vendor product until the Approval Expiration Date. Any change to the product must be promptly notified to MasterCard.

MasterCard reserves the right to use any approved *PayPass* product as a reference for future testing, certification or approval of other *PayPass* products.

Yours sincerely,

Arnaud du Chéné  
Senior Business Leader  
Chip Engineering / Chip Certification

## **Detail of Vendor Product Approval**

Testing was performed against the **EMV 2.0 Specifications and MasterCard *PayPass* - *MChip* Reader Card Application Interface Specification V2.0**

### **Conditions of Approval**

The following actions are to be taken by the vendor for this approval to be valid:

- i. During the Term of the Letter of Approval, the vendor shall ensure that all terminals are produced so that they are materially identical with the samples that were submitted for testing. Any change in the terminal that generates a different behavior of the terminal with respect to the *PayPass* Specifications and *PayPass* Test Assessments, in MasterCard's sole discretion, will be considered a major modification subject to a requirement of new vendor product testing and approval.
- ii. No PIN entry security testing (PCI PED) has been performed on this card reader. PIN entry is not a supported option on this device.