



IT CERTIFICATION SERVICES

**Specification of Micro ATM Device Suppliers
for PDS**

Document : POSDCS-03-09

Issue: 01 dated:.07.10.2015

Revision 0 dated

Page No: 1 of 5

Specification of Micro ATM Device Suppliers for PDS

STQC Directorate, Department of Electronics and Information Technology,
Ministry of Communications & Information Technology,
Electronics Niketan, 6 CGO Complex, Lodi Road,
New Delhi – 110003



IT CERTIFICATION SERVICES

**Specification of Micro ATM Device Suppliers
for PDS**

Document : POSDCS-03-09

Issue: 01 dated:..07.10.2015

Revision 0 dated

Page No: 2of 5

Approval and Issue

This document is the property of STQC Certification Services and should not be reproduced in part or full without the written consent.

Approved by : _____

Chief Executive Officer

NOTE:

Management Representative is responsible for issue and distribution of this document including amendments.

1. Holder of this copy is responsible for incorporation of all the amendments and currency of the document



IT CERTIFICATION SERVICES

**Specification of Micro ATM Device Suppliers
for PDS**

Document : POSDCS-03-09
Issue: 01 dated:.07.10.2015
Revision 0 dated
Page No: 3of 5

Amendment Record

Amendment No.	Date of Amendment	Nature of Amendment	Page Ref.



IT CERTIFICATION SERVICES

Specification of Micro ATM Device Suppliers for PDS

Document : POSDCS-03-09
Issue: 01 dated: 07.10.2015
Revision 0 dated
Page No: 4 of 5

Micro ATM Specifications for PDS

Sl. No.	Description	Specifications
1	Biometric scanner	As per specifications given in the document UIDAI Biometric Device Specifications (Authentication) BDCS(A)-03-08. (http://www.stqc.gov.in/sites/upload_files/stqc/files/UIDAI-Biometric-Device-Specifications-Authentication-14-05-2012_0.pdf)
2	Connectivity	The device must provide for two channels (of service provider's choice) of network connectivity.
3	Security	2048-bit PKI, 256-bit AES, Base64, SHA-256 for full compliance with Aadhaar Authentication API specifications
4	Non-volatile storage	Must be capable of storing audit trails of at least 1000 transactions.
5	Display	Must be capable of displaying last 10 transactions without scrolling horizontally. Each transaction must display at least the date, type, and amount.
6	Printer	Must be able to print out transaction status and a mini-statement of at least the last 10 transactions. Receipts and other printed items must be legible for at least two months from the date of printing.
7	Battery	Rechargeable battery, with minimum 4 hours battery life.
8	Power Adaptor	AC/DC Adaptor with surge protection.
9	Environment	Operating temp: 0°C to 50°C. Storage not including battery: 0°C to 55°C.
10	Magstripe reader and PIN pad	As per specifications in Section 1 given below.
11	Speaker	A facility should be provided for voice confirmation of the transaction
12	Location	The terminal should have the capability to communicate its location (Industry standard 16 channel NMEA Compliant GPS support or Cell Tower Location or any other dynamic method for approximate Lat-Long location)
13	QR code reader (Optional)	Ability to read QR code from the Aadhaar letter, of size 21mm x 21mm, 600 DPI, and Error Correction Code Level M (Medium).



IT CERTIFICATION SERVICES

Specification of Micro ATM Device Suppliers for PDS

Document : POSDCS-03-09
Issue: 01 dated:.07.10.2015
Revision 0 dated
Page No: 5of 5

14	EMV capability(Optional)	EMV Level 1 and Level 2 certification as per Section 4.4.
15	NFC reader (Optional)	Contactless smart card readers compliant to ISO 14443 A and B cards (for all four types of NFC tags) and ISO/IEC 18092.

Section1. Magstripe reader and PIN pad specifications

Component	Specifications
Magstripe reader	ISO triple-track 1/2/3, bi-directional, high-coercivity
Security	3DES encryption TMK/TPK support with all keys remote download capability UKPT / DUKPT capability
PCI-PED for POS	PCI (Payment Card Industry) PED (Pin Entry Device) for POS

The payment application on microATMs for processing card and PIN transactions should be certified with PA-DSS certification. Until the application is PA-DSS certified, the Micro ATMs may not be able to process card and PIN transactions, but may process BC transactions as defined in these standards, so long as all other security requirements are met.

Please refer to:

https://www.pcisecuritystandards.org/security_standards/documents.php?association=PA-DSS