



**Chip Personalisation Tester**  
**CPT 3000v3**  
**v3.50**

**PRODUCT RELEASE NOTES**  
**April 2017**

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## CPT Product Release v3.50

Barnes International Limited is pleased to announce the release of the Card Personalisation Tool (CPT) version 3.50. Release v3.50 incorporates the new capabilities and bug fixes detailed below. Please contact your Barnes sales contact for further enquiries

### Qualification Modules

The following lab optional test modules are now supported by CPT 3.50. Please note that the distribution of certain packages is subject to Scheme permission. Please contact your Barnes sales contact for further information.

Region	Scheme / Institution	Application	CPT Module Name
<b>Global</b>	MasterCard	CPV v10.1	MasterCard CPV
	Visa	GPR v3.0	GPR
	Discover	D-PAS v1.1	DPAS
	Discover	Contactless D-PAS v1.1	DPASCL
	American Express	Expresspay Mobile HCE v1.2	American Express HCE
	American Express	Expresspay Mobile v2.0.3	American Express Mobile
<b>Americas</b>	Visa	U.S. GPR v2.0	GPR U.S.
	Discover	D-PAS U.S. Debit v1.1	D-PAS U.S. Debit
	Interac	Dual Interface v1.5	Interac Dual Interface
<b>Europe</b>	GIE-CB	Dual Interface v2.2.1	GIE-CB Dual Interface
	BKM	Troy Contactless v1.1	Troy Contactless
	BKM	Troy Contact v1.1	Troy Contact

### Quality Control

CPT now complies with the following specifications.

Region	Scheme / Institution	Application	Specification
<b>Global</b>	MasterCard	M/Chip Personalization Data Specifications	M/Chip Personalization Data Specifications for Contact and Contactless - 24 Jan 2017
<b>Asia</b>	SNI	National Standard Indonesian Chip Card	National Standard Indonesian Chip Card Specification - v1.1 Jan 2011
	NPCI	RuPay Dual Interface	Specification for Payment Application of RuPay CHIP [qSPARC] – v 1.0 Amendment to qSPARC – v 1.4
<b>Europe</b>	Cartes Bancaires	Dual Interface	Dual Interface Personalisation Profiles v2

## Card Scenarios (Chip Profiles)

CPT now complies with the following Scheme recommended chip profiles.

Region		Application	Version
<b>Global</b>	MasterCard	M/Chip Card Personalization Standard Profiles	Apr-2017
<b>Asia</b>	NPCI	RuPay Credit Profiles	V1.0 (draft)
	NPCI	RuPay qSPARC Prepaid	18th October 2016
<b>Americas</b>	Visa Inc.	Visa C1 - US Credit Contact Profile	December 2016
	Visa Inc.	Visa C2 - US Credit Dual Interface Profile	December 2016
	Visa Inc.	Visa D1 - US Debit Contact Profile	December 2016
	Visa Inc.	Visa D2 - US Debit Dual Interface Profile	December 2016
	Visa Inc.	Visa P1 - US Proprietary ATM Profile	December 2016
	Visa Inc.	Visa P2 - US Proprietary ATM and POS Profile	December 2016
<b>Europe</b>	Cartes Bancaires	M/Chip 4 & Paypass 1.4	V2
	Cartes Bancaires	M/Chip Advance	V2
	Cartes Bancaires	VIS 1.5 & VCPS 2.1.2	V2

## Product Enhancements

CPT has had enhancements that include the following.

- Operator PAN Entry and card value cross-check
- Support for new EEA regulations
- Enhanced password storage
- Support for SHA 256 hash
- Improved support for checking new cards
- Improved PSE/PPSE checking

For help contact [support@barnestest.com](mailto:support@barnestest.com)