

Default Parameter

TBCC IC Card Basic Information Sheet 946				
BCTC-4A1Y-01 version 1.6 published date 2025-09-01				
1 - Issuer Information				
Full Name of Institution				
IIN				
Contact				
Address				
Phone				
Fax				
Email				
2 - Product Information				
Card Type and Function Supported	Choose one	☐ ATM ☒ DEBIT ☐ E-Wallet & E-Money ☐ CREDIT		
	☒ Contact IC	☒ Debit/Credit ☐ E-Cash		
	☒ Contactless IC	☒ Debit/Credit ☒ qUICS ☒ ODA ☐ Offline ☐ qUICS Extended ☐ Deduction		
	☒ Magnetic Stripe			
Sensitive Information Protection	☐ To protect cardholder's privacy, sensitive information will not be personalized in the card. ☒ Our institution has acknowledged the rules defined by UPI specifications, but we will personalize the sensitive information.			
Transaction/Load logs access via contactless interface	☒ Transaction/Load logs access via contactless interface is not enabled ☐ Our institution has acknowledged the suggestion that not to personalize tag9F4D/DF4D in contactless interface, but we need to enable the log-read function in contactless interface.			
Card BIN				
Referred Template For Contact IC	Template 2 — Debit Card — DDA + Online PIN, PIN bypass NOT allowed			
Referred Template For Contactless IC	Template 17 — Online-only without electronic cash			
AID	☐ A000000677010100 (ATM) ☒ A000000677010101 (DEBIT) ☐ A000000677010105 (E-Wallet & E-Money) ☐ A000000677010103 (CREDIT)			
Sample Name				
Card Manufacturer				
Application Copyright				
Chip vendor and model				
Personalization Vendor				
Personalization Standard	☒ Implementation Guide for UICS Updates 2021			
TBCC Card Product Report Number or Product Certification(Optional)	Debit/Credit Application No.		CDCTXXX	
	qUICS Application No.		CDCTXXX	
	qUICS Extended No.			
	TBCC Multi-application Security No.		CTMAXXX	
TBCC Card Product Certification (Certificate PDF if Provided)	Certificate No.			
Magnetic stripe Model				
Magnetic stripe Manufacturer				
CVN Position and Length (Count from the beginning of the Discretionary data)	Offset:		e.g.:PAN=yyzzzz xxxxxxCVNxxxxx?, offset is 6	
	Length:		e.g.:PAN=yyzzzz xxxxxxCVNxxxxx?, length is 3	
Magnetic stripe Type	☒ High Coercivity ☐ Low Coercivity			
3 - Personalization				
3.1 Public Data				
3.1.1 Application selection on contact interface				
Tag Name	Tag	Format	Length	Value
Application Priority Indicator	87	b8	1	01

Log entry	9F4D	b16	2	0B 0A
Log format	9F4F	b	Var.	9A 03 9F 21 03 9F 02 06 9F 03 06 9F 1A 02 5F 2A 02 9F 4E 14 9C 01 9F 36 02
Log entry of electronic cash credit for load	DF4D	b16	2	NA
Log format of electronic cash credit for load	DF4F	b	Var.	NA
IIN	42	n6	3	NA
Issuer Identification Number Extended (IINE)	9F0C	n6 or 8	3 or 4	NA
Issuer Country Code (alpha2)	5F55	a2	2	NA
Application Selection Registered Proprietary Data (ASRPD)	9F0A	b	Var.	NA
International Bank Account Number (IBAN)	5F53	Var.	Var.	NA
Bank Identifier Code (BIC)	5F54	Var.	8 or 11	NA
Issuer Country Code (alpha3)	5F56	Var.	3	NA
Application label	50	ans1-16	1-16	54 42 41
Application preferred name	9F12	ans1-16	1-16	54 42 41
Issuer Code Table Index	9F11	n2	1	01
Preferred Language	5F2D	an2	2	74 68 65 6E
Contact PDOL	9F38	b	Var.	NA
3.1.2 Application selection on contactless interface				
Tag Name	Tag	Format	Length	
Application Priority Indicator	87	b8	1	01
Log entry	9F4D	b16	2	0B 0A
Log format	9F4F	b	Var.	9A 03 9F 21 03 9F 02 06 9F 03 06 9F 1A 02 5F 2A 02 9F 4E 14 9C 01 9F 36 02
Log entry of electronic cash credit for load	DF4D	b16	2	
Log format of electronic cash credit for load	DF4F	b	Var.	
IIN	42	n6	3	
Issuer Identification Number Extended (IINE)	9F0C	n6 or 8	3 or 4	
Issuer Country Code (alpha2)	5F55	a2	2	
Application Selection Registered Proprietary Data (ASRPD)	9F0A	b	Var.	
International Bank Account Number (IBAN)	5F53	Var.	Var.	
Bank Identifier Code (BIC)	5F54	Var.	8 or 11	
Issuer Country Code (alpha3)	5F56	Var.	3	
Contactless PDOL	9F38	b	Var.	9F 66 04 9F 02 06 9F 03 06 9F 1A 02 95 05 5F 2A 02 9A 03 9C 01 9F 37 04
Card Additional Function Indicator	DF61	b8	Var.	40
3.1.3 Master derivation key				
Application Cryptogram (AC) Master DEA KEY (MDK)	-	b	16	
Message Authentication Code (MAC) Master DEA KEY (MDK)	-	b	16	
Encipherment Code (ENC) Master DEA KEY (MDK)	-	b	16	
3.1.4 Offline PIN				
Offline PIN	-	-	-	
PIN try limit	-	-	-	
3.2 Debit/Credit				
3.2.1 Debit/Credit - Template Default Data				
Tag Name	Tag	Format	Length	
Issuer Action Code (IAC) - decline	9F0E	b40	5	00 10 98 00 00
Issuer Action Code (IAC) - online	9F0F	b40	5	D8 68 04 F8 00
Issuer Action Code (IAC) - default	9F0D	b40	5	D8 60 04 A8 00
Application Interchange Profile (AIP)	82	b16	2	3C 00
Cardholder verification method (CYM) list	8E	b	Var.	00 00 00 00 00 00 00 00 02 03 1F 00
Application Usage Control (AUC)	9F07	b16	2	FF 00
Application Version Number	9F08	b16	2	00 30
Application default action (ADA)	9F52	b16	4	C0 00 00 00
Card Risk Management Data Object List1 (CDOL1)	8C	b	Var.	9F 02 06 9F 03 06 9F 1A 02 95 05 5F 2A 02 9A 03 9C 01 9F 37 04 9F 21 03 9F 4E 14
Card Risk Management Data Object List2 (CDOL2)	8D	b	Var.	8A 02 9F 02 06 9F 03 06 9F 1A 02 95 05 5F 2A 02 9A 03 9C 01 9F 37 04 9F 21 03
3.2.2 Debit/Credit - Issuer General Data				
Tag Name	Tag	Format	Length	
Card Product Identification	9F63	b128	16	NA
Issuer authentication indicator	9F56	b8	1	00
Consecutive offline transaction limit (international - currency)	9F53	b8	1	00
Cumulative total transaction amount limit	9F54	n12	6	00 00 00 00 00 00
Cumulative Total Transaction Amount Upper Limit	9F5C	n12	6	00 00 00 00 00 00
Lower consecutive offline transaction limit (LCOL)	9F58	b8	1	00
Upper consecutive offline transaction limit (UCOL)	9F59	b8	1	00
Lower Consecutive Offline Limit - for terminal	9F14	b8	1	NA
Upper Consecutive Offline Limit - for terminal	9F23	b8	1	NA

Consecutive offline transaction limit (international - country)	9F72	b8	1	00
Cumulative Offline Transaction Amount Limit(dual currency)	9F75	n12	6	NA
Issuer Application Data	9F10	b	10	07_01 03 00 00 00 01
Issuer Country Code	5F28	n3	2	07 64
Issuer country code - for card	9F57	n3	2	07 64
Application Currency Code - for card	9F51	n3	2	07 64
Application Currency Code - for terminal	9F42	n3	2	07 64
Currency Conversion Factor	9F73	8n	4	NA
Secondary Application Currency Code	9F76	n3	2	NA
Application Currency Exponent	9F44	n1	1	NA
Application effective date	5F25	n6 YYMMDD	3	
CA public key index (PKI)	8F	b8	1	
Issuer public key (IPK) certificate	90	b	N _{CA}	
Issuer public key remainder	92	b	N _I -N _{CA} +36	
Issuer Public Key Exponent	9F32	b	1-3	
Dynamic data authentication data object list (DDOL)	9F49	b	Var.	
3.2.3 Debit/Credit - Card Proprietary Data				
Tag Name	Tag	Format	Length	
Application primary account No. (PAN)	5A	Var.	Var.	
Application primary account sequence number	5F34	n2	1	
Payment Account Reference (PAR)	9F24	an	29	
Last 4 Digits of PAN	9F25	n4	2	
Token Requestor ID	9F19	n11	6	
Cardholder Name	5F20	ans2-26	2-26	
Cardholder Name Extension	9F0B	ans27-45	27-45	NA
Application Expiration Date	5F24	n6 YYMMDD	3	
Service code	5F30	n3	2	02 20
Track 1 Discretionary Data	9F1F	ans	Var.	
Track 2 Equivalent Data	57	b	Var.	
Signed Static Application Data	93	b	Var.	NA
Static Data Authentication Tag List	9F4A	-	Var.	82
Data Authentication Code	9F45	b16	2	NA
IC Card Public Key Certificate	9F46	b	N _I	
IC Card Public Key Exponent	9F47	b	1-3	03
IC Card Public Key Remainder	9F48	b	N _{IC} -N _I +42	NA
3.3 E-Cash				
3.3.1 E-Cash - Template Default Data				
Tag Name	Tag	Format	Length	
Issuer Action Code (IAC) - decline	9F0E	b40	5	
Issuer Action Code (IAC) - online	9F0F	b40	5	
Issuer Action Code (IAC) - default	9F0D	b40	5	
Application Interchange Profile (AIP)	82	b16	2	
Cardholder verification method (CYM) list	8E	b	Var.	
Application Usage Control (AUC)	9F07	b16	2	
Application Version Number	9F08	b16	2	
Application default action (ADA)	9F52	b16	2 or 4	
Card Risk Management Data Object List1 (CDOL1)	8C	b	Var.	
Card Risk Management Data Object List2 (CDOL2)	8D	b	Var.	
Electronic Cash Issuer Authorization Code	9F74	a	6	
3.3.2 E-Cash - Issuer General Data				
Tag Name	Tag	Format	Length	
Card Product Identification	9F63	b128	16	
Issuer authentication indicator	9F56	b8	1	
Consecutive offline transaction limit (international - currency)	9F53	b8	1	
Cumulative total transaction amount limit	9F54	n12	6	
Cumulative Total Transaction Amount Upper Limit	9F5C	n12	6	
Lower consecutive offline transaction limit (LCOL)	9F58	b8	1	
Upper consecutive offline transaction limit (UCOL)	9F59	b8	1	
Lower Consecutive Offline Limit - for terminal	9F14	b8	1	
Upper Consecutive Offline Limit - for terminal	9F23	b8	1	
Consecutive offline transaction limit (international - country)	9F72	b8	1	
Cumulative Offline Transaction Amount Limit(dual currency)	9F75	n12	6	

Issuer Application Data	9F10	b	10	
Issuer Country Code	5F28	n3	2	
Issuer country code - for card	9F57	n3	2	
Application Currency Code - for card	9F51	n3	2	
Application Currency Code - for terminal	9F42	n3	2	
Currency Conversion Factor	5F25	n6 YYMMDD	3	
CA public key index (PKI)	8F	b8	1	
Issuer public key (IPK) certificate	90	b	N_{CA}	
Issuer public key remainder	92	b	$N_I - N_{CA} + 36$	
Issuer Public Key Exponent	9F32	b	1-3	
Dynamic data authentication data object list (DDOL)	9F49	b	Var.	
3.3.3 E-Cash - Proprietary Data				
Tag Name	Tag	Format	Length	
Application primary account No. (PAN)	5A	Var.	Var.	
Application primary account sequence number	5F34	n2	1	
Cardholder Name	5F20	ans2-26	2-26	
Cardholder Name Extension	9F0B	ans27-45	27-45	
Application Expiration Date	5F24	n6 YYMMDD	3	
Service code	5F30	n3	2	
Track 1 Discretionary Data	9F1F	ans	Var.	
Track 2 Equivalent Data	57	b	Var.	
Signed Static Application Data	93	b	Var.	
Static Data Authentication Tag List	9F4A	-	Var.	
Data Authentication Code	9F45	b16	2	
IC Card Public Key Certificate	9F46	b	N_I	
IC Card Public Key Exponent	9F47	b	1-3	
IC Card Public Key Remainder	9F48	b	$N_{IC} - N_I + 42$	
Electronic Cash Balance Upper Limit	9F77	n12	6	
Transaction Amount Limit	9F78	n12	6	
Electronic Cash Reset Amount	9F6D	n12	6	
3.4 qUICS				
3.4.1 qUICS - Template Default Data				
Tag Name	Tag	Format	Length	
Application Interchange Profile (AIP)	82	b16	2	3C 00
Card Additional Processes	9F68	b32	4	10 20 D0 20
Card Transaction Qualifiers	9F6C	b16	2	00 00
Electronic Cash Issuer Authorization Code	9F74	a	6	ECC001
Card Authentication Related Data	9F69	b	8	01 xx xx xx xx yy yy zz
3.4.2 qUICS - Issuer General Data				
Tag Name	Tag	Format	Length	
Card Product Identification	9F63	b128	16	
Issuer Application Data	9F10	b	10	07__01 03 00 00 00 01
CA public key index (PKI)	8F	b8	1	
Issuer public key (IPK) certificate	90	b	N_{CA}	
Issuer public key remainder	92	b	$N_I - N_{CA} + 36$	
Issuer Public Key Exponent	9F32	b	1-3	
3.4.3 qUICS - Card Proprietary Data				
Tag Name	Tag	Format	Length	
Payment Account Reference (PAR)	9F24	an	29	NA
Partner Proprietary Data	9F7C	b	Var.	NA
Last 4 Digits of PAN	9F25	n4	2	NA
Token Requestor ID	9F19	n11	6	NA
Card CVM Limit	9F6B	n12	6	99 99 99 99 99 99
Cardholder Name	5F20	ans2-26	2-26	
Cardholder Name Extension	9F0B	ans27-45	27-45	
Signed static application data (SAD)	93	b	Var.	NA
Static Data Authentication Tag List	9F4A	-	Var.	82
Data Authentication Code	9F45	b16	2	NA
IC Card Public Key Certificate	9F46	b	N_I	
IC Card Public Key Exponent	9F47	b	1-3	03
IC Card Public Key Remainder	9F48	b	$N_{IC} - N_I + 42$	NA
4 - qUICS Extended				
Fee deduction by segment limit	DF62	b	6	
Variable-length proprietary file for extended application	☐ 0x15 Subway ☐ 0x19 Railway(High-speed rail) ☐ 0x16 Bus ☐ 0x1A Bus monthly ticket ☐ 0x17 Expressway ☐ 0x1B Subway monthly ticket ☐ 0x18 Parking Meter ☐ 0x1C Other			
Cyclic record files for extended application	☐ 0x1E			

Variable-length proprietary file 0x15	CAPP IMK Proprietary File	
	File Maximum Length	
	Initialized Variable Record	
	CAPP Record Protect KEY (IUK)	
Variable-length proprietary file 0x16	CAPP IMK Proprietary File	
	File Maximum Length	
	Initialized Variable Record	
	CAPP Record Protect KEY (IUK)	
Variable-length proprietary file 0x17	CAPP IMK Proprietary File	
	File Maximum Length	
	Initialized Variable Record	
	CAPP Record Protect KEY (IUK)	
Variable-length proprietary file 0x18	CAPP IMK Proprietary File	
	File Maximum Length	
	Initialized Variable Record	
	CAPP Record Protect KEY (IUK)	
Variable-length proprietary file 0x19	CAPP IMK Proprietary File	
	File Maximum Length	
	Initialized Variable Record	
	CAPP Record Protect KEY (IUK)	
Variable-length proprietary file 0x1A	CAPP IMK Proprietary File	
	File Maximum Length	
	Initialized Variable Record	
	CAPP Record Protect KEY (IUK)	
Variable-length proprietary file 0x1B	CAPP IMK Proprietary File	
	File Maximum Length	
	Initialized Variable Record	
	CAPP Record Protect KEY (IUK)	
Variable-length proprietary file 0x1C	CAPP IMK Proprietary File	
	File Maximum Length	
	Initialized Variable Record	
	CAPP Record Protect KEY (IUK)	
Cyclic record files 0x1E	CAPP IMK Proprietary File	
	File Maximum Length	
	Initialized Variable Record	
	CAPP Record Protect KEY (IUK)	
	Loop Record quantity	
5 - Card CA Public Key File (Suggest SFI=0x13, 4 records at most)		
Tag	Length	Value
Card CA Public Key 1	Index	
	(128 byte)	
	CA Public Exponent	
Card CA Public Key 2	Index	
	(144 byte)	
	CA Public Exponent	
Card CA Public Key 3	Index	
	(176 byte)	
	CA Public Exponent	
Card CA Public Key 4	Index	
	(248 byte)	
	CA Public Exponent	
6-Authorized Signature		
By signing below, I represent that I have read and am authorized to sign and submit this data sheet, that all information provided herein is true, complete and accurate. (Authorized signature)		
		Date: (Month-Day-Year)
(Typed name and title above)		Record Number:
7-Local Switching - Authorized Signature		
By signing below, I represent that I have read and am authorized to sign and submit this data sheet, that all information provided herein is true, complete and accurate. (Authorized signature)		
		Date: (Month-Day-Year)
(Typed name and title above)		
8-TBA - Authorized Signature		
By signing below, I represent that I have read and am authorized to sign and submit this data sheet, that all information provided herein is true, complete and accurate. (Authorized signature)		
		Date: (Month-Day-Year)
(Typed name and title above)		Control Code: