

TBCC IC Card Basic Information Sheet 946-Debit TH Std

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1 - Issuer Information

Full Name of Institution	
IIN	
Contact	
Address	
Phone	
Fax	
Email	

2 - Product Information

Card Type and Function Supported	Choose one	<input type="radio"/> ATM <input checked="" type="radio"/> DEBIT <input type="radio"/> E-Wallet & E-Money <input type="radio"/> CREDIT
	<input checked="" type="checkbox"/> Contact IC	<input checked="" type="checkbox"/> Debit/Credit <input type="checkbox"/> E-Cash
	<input checked="" type="checkbox"/> Contactless IC	<input checked="" type="checkbox"/> Debit/Credit <input checked="" type="checkbox"/> qUICS <input checked="" type="checkbox"/> ODA <input type="checkbox"/> Offline <input type="checkbox"/> qUICS Extended <input type="checkbox"/> Deduction
	<input checked="" type="checkbox"/> Magnetic Stripe	
Sensitive Information Protection	<input type="radio"/> To protect cardholder's privacy, sensitive information will not be personalized in the card. <input checked="" type="radio"/> Our institution has acknowledged the rules defined by UPI specifications, but we will personalize the sensitive information.	
Transaction/Load logs access via contactless interface	<input checked="" type="radio"/> Transaction/Load logs access via contactless interface is not enabled <input type="radio"/> 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	<input type="radio"/> A000000677010100 (ATM) <input checked="" type="radio"/> A000000677010101 (DEBIT) <input type="radio"/> A000000677010105 (E-Wallet & E-Money) <input type="radio"/> A000000677010103 (CREDIT)	
Product Name		
Card Manufacturer		
Application Copyright		
Chip vendor and model		
Personalization Vendor		
Personalization Standard	<input checked="" type="radio"/> Implementation Guide for UICS Updates 2021	
TBCC Card Product Report Number or Product Certification(Optional)	Debit/Credit Application No.	
	qUICS Application No.	
	qUICS Extended No.	
	TBCC Multi-application Security No.	
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=yyymmzzzxxxxxCVNxxxxx?, offset is 6
	Length:	e.g. ;PAN=yyymmzzzxxxxxCVNxxxxx?, length is 3
Magnetic stripe Type	<input checked="" type="radio"/> High Coercivity <input type="radio"/> 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)	9FOA	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)	9FOA	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	9FOE	b40	5	00 10 98 00 00
Issuer Action Code (IAC) - online	9FOF	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 (CVM) list	8E	b	Var.	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	2 or 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	$N_1 - N_{CA} + 36$	
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	9FOE	b40	5	
Issuer Action Code (IAC) - online	9FOF	b40	5	
Issuer Action Code (IAC) - default	9F0D	b40	5	
Application Interchange Profile (AIP)	82	b16	2	
Cardholder verification method (CVM) 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 0A 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	<input type="checkbox"/> 0x15 Subway <input type="checkbox"/> 0x19 Railway(High-speed rail) <input type="checkbox"/> 0x16 Bus <input type="checkbox"/> 0x1A Bus monthly ticket <input type="checkbox"/> 0x17 Expressway <input type="checkbox"/> 0x1B Subway monthly ticket <input type="checkbox"/> 0x18 Parking Meter <input type="checkbox"/> 0x1C Other			
Cyclic record files for extended application	<input type="checkbox"/> 0x1E			
Variable-length proprietary file 0x15	CAPP IMK Proprietary File			
	File Maximum Length			
	Initialized Variable Record			
Variable-length proprietary file 0x16	CAPP Record Protect KEY (IUK)			
	CAPP IMK Proprietary File			
	File Maximum Length			
Variable-length proprietary file 0x16	Initialized Variable Record			
	CAPP Record Protect KEY (IUK)			
	CAPP IMK Proprietary File			

Variable-length proprietary file 0x17	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	
Variable-length proprietary file 0x19	CAPP Record Protect KEY (IUK)	
	CAPP IMK Proprietary File	
	File Maximum Length	
Variable-length proprietary file 0x1A	Initialized Variable Record	
	CAPP Record Protect KEY (IUK)	
	CAPP IMK Proprietary File	
Variable-length proprietary file 0x1B	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	
Cyclic record files 0x1E	CAPP Record Protect KEY (IUK)	
	CAPP IMK Proprietary File	
	File Maximum Length	
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: