BCA ECR DOCUMENTATION

CONFIDENTIAL

PT Bank Central Asia, Tbk.

Released on September 2015

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BCA ECR-EDC Documentation

I. Message Frame

All messages will be framed using the following format:

Field	Value	Description
STX	02H	Start of Text
Message Length	LLLL	2 Bytes Length Indicator, BCD (include Format Type)
Message Data		
ETX	03H	End of Text
LRC		Longitudinal Redundancy Check

The LRC character is the module 2 binary sum of every character in the transaction message after the STX and including the ETX.

In addition to the above described messages, ACK (06H) and NAK (15H) control characters are also required to ensure error free exchange of request and response messages. An   ACK indicates the successful reception of a messages, a NAK indicates that the receiver requests the retransmission of the last message that was received in error. The ACK and NAK characters are expected to be received within 2 seconds from the transmission of a message. Every message is expected to get an ACK or NAK. A message can be sent again (up to 3 times) after the 2 second ACK/NAK response time has expired. In theory, not all request messages generate a response message but they all require being ACK-ed.

a. Normal Transaction

ECR/POS *	Direction	EDC **
Request Message	→	
	←	ACK
	←	Response Message
ACK	→	
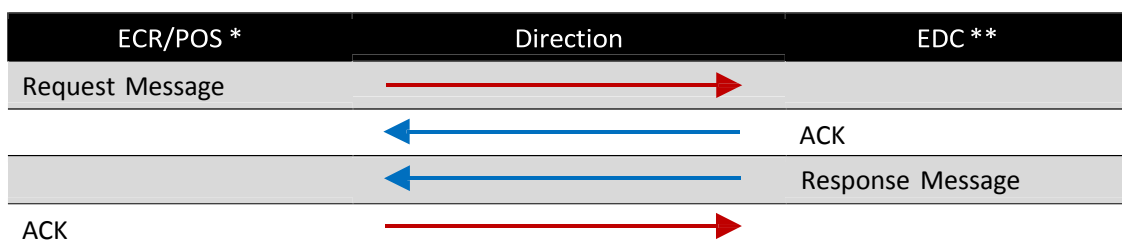
* ECR = Electronic Cash Register
  POS = Point of Sales

** EDC = Electronic Data Capture

b. Bad LRC

ECR/POS	Direction	EDC
Request Message	→	
	←	NAK
Request Message	→	
	←	ACK
	←	Response Message
NAK	→	
	←	Response Message
ACK	→	

c. Time Out

ECR/POS	Direction	EDC
Request Message	→	
		No ACK/NAK after 2s
Request Message	→	
	←	ACK
	←	Response Message
No ACK/NAK after 2s		
	←	Response Message
ACK	→	
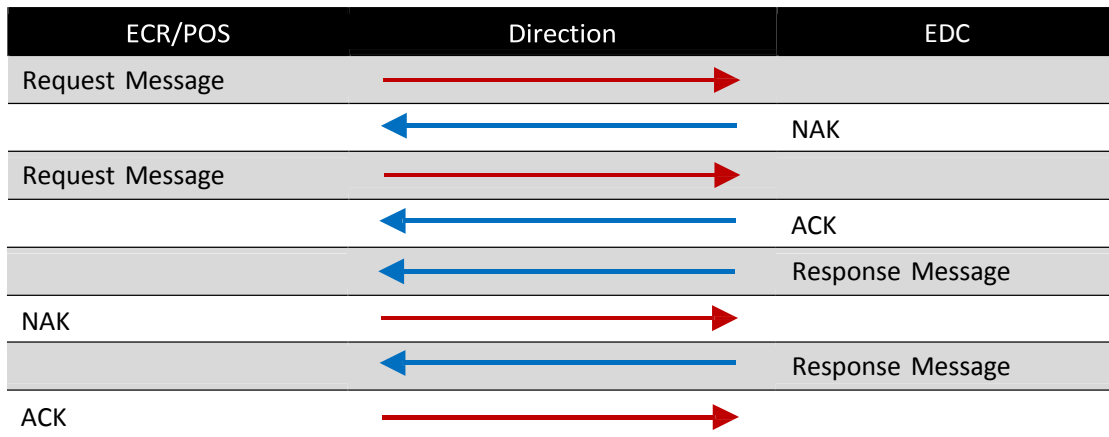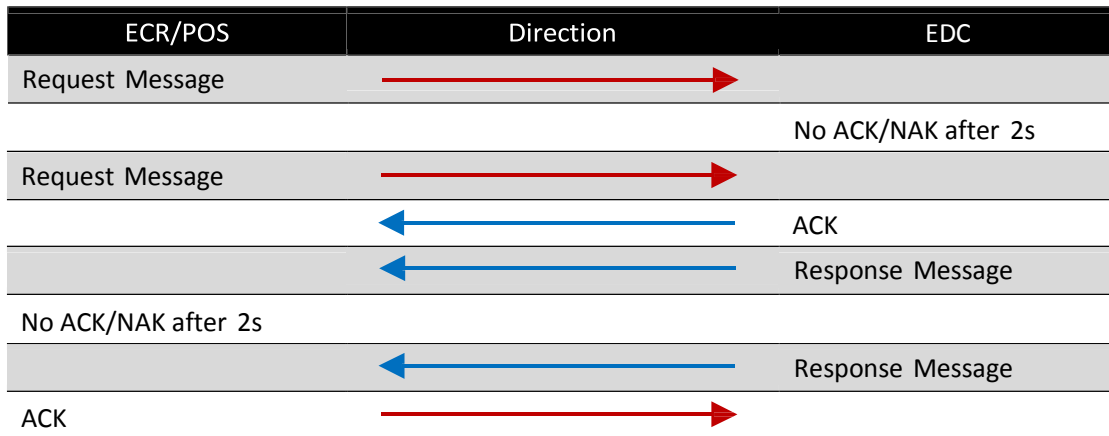
II. Command Set

a. Request Message (ECR/POS to EDC)

Field	Length	Description
Version	1	Version of ECR Message (in Hex), always "01h"
TransType	2	Transaction type
TransAmount	12	Transaction total amount, 0 left padding
OtherAmount	12	Present for Sale & Cash (Debit), Sale & Tip (Credit) , 0 left padding
PAN	19	For manual entry transaction, space character right padding, default to spaces
ExpiryDate	4	For manual entry transaction, default to zeros
CancelReason	2	Void/Cancel Reason, default to zeros
InvoiceNumber	6	Invoice Number from original transaction, default to zeros
Authorization ID Response	6	Approval Code from Card Verification transaction,default to spaces
Installment Flag	1	Installment indicator, default value Y or N
Redeem Flag	1	Redeem indicator for Loyalti Transaction, default value Y or N
DCC Flag	1	DCC (Dynamic Currency Converter) indicator for Adjusment Transaction, default value Y or N
Installment Plan	3	Plan of Installment Transaction, default to spaces
Installment Tenor	2	Month of Installment Transaction, default to spaces
Generic Data	12	Free Text for Merchant Information, can be printed in transaction receipt,default to spaces
ReffNumber	12	Reff number input from payment Sakuku Transaction
Filler	54	default to spaces
Total	150	

b. Response Message (EDC to ECR/POS)

Field	Length	Description
Version	1	Version of ECR Message (in Hex) , always "01h"
TransType	2	Transaction type
TransAmount	12	Transaction Total / Total Sale (Settle Inquiry)
OtherAmount	12	Present if Sale & Cash (Debit), Sale & Tip (Credit), Total Refund (Settle Inquiry)
PAN	19	
ExpiryDate	4	YYMM

RespCode	2	
RRN	12	Reference Number showed in Receipt
ApprovalCode	6	Present if Approved
Date	8	YYYYMMDD
Time	6	HHMMSS
MerchantId	15	For Topup Tunai transaction, this field contain the MerchantId for Topup Tunai
TerminalId	8	
OfflineFlag	1	
CardholderName	26	
PANCashierCard	16	For Topup Tunai transaction
InvoiceNumber	6	Trace Number in receipt
BatchNumber	6	Batch Number transaction
IssuerId	2	
Installment Flag	1	
DCC Flag	1	
Redeem Flag	1	
Information Amount	12	Present to show Installment Monthly Amount or CardHolder Amount (for DCC Transaction)
DCC Decimal Place	1	Cardholder Decimal Place Digit for CardHolder
DCC Currency Name	3	Cardholder Currency Amount
DCC Exchange Rate	8	Cardholder Exchange Rate Amount
Coupon Flag	1	Coupon Indicator, Y if Cardholder get Coupon
Filler	8	
Total	200	

c. Detailed Field Description

TransType
  The list of values as below:

Code	Description
01	Sale (payment) using Debit/Credit/Flazz Card
02	Sale (payment/base/fare) with Other Amount (cash/tips/non fare) using Debit/Credit Card
03	Refund using Debit/Credit Card
05	Card Verification/Pre-Authorization using Credit Card
06	Sale (payment) using Flazz Card
07	Offline/Completion using Credit Card
08	Void/Cancelation using Debit/Credit Card
10	Settlement (for Acquirer Debit/Credit/Flazz Card)
12	Adjustment for Credit Card Transaction
17	Echo-test
19	Reprint Receipt

20	Inquiry All Transaction
21	TOP UP Flazz using Debit Card (Source) and Flazz Card (Destination)
22	Cash TOP UP using Chasier Card (Source) and Flazz Card (Destination)
23	Get Card Information
24	Cash Top Up from ECR Flazz using Chasier Card (Source) and Flazz Card (Destination).
25	Get Card Information – Kompas
26	Payment Transaction Sakuku
27	Continue Transaction Sakuku
28	Inquiry Transaction Sakuku
36	Balance Inquiry Flazz (prepaid) Card

TransAmount

The transaction amount is the total amount of the transaction in cents in IDR. Note that if field OtherAmount present (see below), the amount is included in this field.
The processing rules for this field are:
- When processing non-financial transactions such as Echo-test or Print Receipt, the TransAmount will be zero.
- When processing the Settlement, it is the total Sale (and Cash/Tip) Amount (without voided transaction) in IDR

OtherAmount

This field is optional and shares the same currency as transaction amount. The following rules are applied:
- When processing the *Sale & Cash*, it is the cash out amount.
- When processing the *Sale Adjustment*, it is the tipping amount.
- When processing the *Sale*, if there is tip entry via the EDC, tipping amount will be returned through this field When processing the Sale, Topup and Topup Tunai with Flazz, it is the end-balance ofFlazz Card.
- When processing the *Sale*, if Request message has this field, this field will be ignored.

CancelReason

The reason for the cancellation. Present only if the transaction is a Void or Reversal. The list of values as below:

Code	Description
01	Time Out Reversal
02	Transaction Void
03	Signature Declined Void
04	User Cancelled
05	EMV Declined
06	Others
07	Power Failure

PAN

The Primary Account Number (PAN) contains the card account number (maximum 19 digits). Normally the PAN is returned in the response upon a successful capture of card data. If PAN is exists, then it will be manual PAN entry transaction (depends on EDC settings, if Acquirer don't allow, that transaction will be declined).

ExpiryDate

The expiration date of the card. The format is YYMM. Normally the expiration date is returned in the response upon a successful capture of card data. ExpiryDate from Request Message is used by Manual PAN entry.

RespCode

A response code is returned to indicate the status of the transaction from EDC. Response code can be generated by EDC or BCA Host as a card processor.

List of response code:

Code	Description
00	Approve
54	Decline Expired Card
55	Decline Incorrect PIN
P2	Read Card Error
P3	User press Cancel on EDC
Z3	EMV Card Decline
CE	Connection Error/Line Busy
TO	Connection Timeout
PT	EDC Problem
PS	Settlement Failed
aa	Decline (aa represent two digit alphanumeric value from EDC)
S2	TRANSAKSI GAGAL
S3	TXN BLM DIPROSES MINTA SCAN QR
S4	TXN EXPIRED ULANGI TRANSAKSI
TN	Topup Tunai Not Ready

AuthCode

AuthCode is usually referred to as the "Approval Code." It's assigned by the authorization host when the transaction is approved.

OfflineFlag

It means if this is an online transaction or an offline transaction.
- Y : Offline Transaction
- N : Online Transaction

RRN

This is a retrieval reference number unique assigned by the processor and used to retrieve original transaction data. For Swipe Card transaction, it is acceptable to return a value of all zeros as the RRN.

Date

Transaction date, the format is YYYYMMDD.

Time

Transaction time, the format is HHMMSS.

CardholderName

Cardholder name from card's track1 or EMV tag.

MerchantId

Terminal returns the merchant number for reporting and/or receipt printing. This field is optional.

TerminalId

Terminal returns the terminal ID for reporting. This field is optional.

InvoiceNumber

Terminal returns the Invoice Number for reporting. For Void, Refund, Adjustment dan Reprint transaction, EDC needs Invoice Number of original transaction.

BatchNumber

The batch number of the transaction.

IssuerId

The IssuerId value is the type of card that used by Cardholder on payment. The list of values as below:

Code	Description
00	Debit/Flazz BCA
01	Visa
02	MasterCard
03	AMEX
04	Diners Club
05	JCB
06	UP (Union Pay)
07	BCA Card
08	Others

BCAFiller

    For future use.

InstallmentFlag

    It means if this is an installment transaction or an non installment transaction.
-   Y : Installment Transaction
-   N : Non Installment Transaction

RedeemFlag

    It means if this is a loyalti redeem transaction.
-   Y : Loyalti Redeem Transaction
-   N : No Redeem Transaction

CouponFlag

    It means if Coupon Flag activated
-   Y : Coupon flag On
-   N : Coupon flag Off

DCCFlag

    It means if this is a DCC transaction.
-   Y : DCC Transaction
-   N : Non DCC Transaction

InstallmentPlan

    If the installment flag is Y then installment plan required.

InstallmentTenor

    If the installment flag is Y then installment tenor required.

GenericData

    Filled with ticket data for Airline Transaction.

InfoAmount

    Terminal returns other amount eg : Installment Monthly Amount or DCC Amount (CardHolder Billing Amount)

DCCDecimalPlace

    Terminal returns Conversion Amount Decimal Place (sample : 2 means 2 Decimal Place)

DCCCurrencyName

    Terminal returns Conversion Amount Currency Code

DCCExRate

    Terminal returns billing Conversion Rate. First Digit is Decimal Place of Conversion Rate and Second until Eigth Digit is Conversion Rate.

Appendix 1. Samples of Request and Response Message

1. Sale (Trans Type = 01)

Debit/Credit Sale Transaction

Transaction sample :

Sale with amount 500000 IDR, Other amount 0

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (not viewable)
TransType	01	Mandatory Value of Transaction Type Sale (payment) using Debit/Credit/Flazz Card
TransAmount	500000	Mandatory Add 00 to the sale amount => 50000000 Give padding => 0000050000000
OtherAmount	0	Add 00 to the other amount => 000 Give padding => 000000000000
PAN	(blank)	Optional (for Manual Key In Transaction) Set PAN Number based on Card Information
ExpiryDate	(blank)	Optional (for Manual Key In Transaction) Set Card Expire Date (YYMM) based on Card Information
CancelReason	(blank)	Set to 00
InvoiceNumber	(blank)	Set to 000000
AuthCode	(blank)	Set to spaces
InstallmentFlag	(blank)	Set to spaces
RedeemFlag	(blank)	Set to spaces
DCCFlag	N	Set DCC Flag to N / No
InstallmentPlan	(blank)	Set to spaces
InstallmentTenor	(blank)	Set to spaces
GenericData	(blank)	Set to spaces
ReffNumber	(blank)	Set to spaces
BCAFiller	(blank)	Set to spaces
ETX	03	
LRC	0D	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	not viewable	Convert the value to hex (must be 01h)
TransType	01	Value of Transaction Type Sale (payment) using Debit/Credit/Flazz Card
TransAmount	000050000000	Total amount of the transaction
OtherAmount	000000000000	No additional amount
PAN	188980_ _ _ _ _ _4817	_ is space character, could be masked by * With format 6.4 or based on Masking Terminal Setting
ExpiryDate	1801	YYMM, could be masked by *
RespCode	00	Transaction Approved
RRN	_ _ _ _ _ _ 100116	_ is space character
ApprovalCode	090016	
Date	20150508	YYYYMMDD
Time	143616	HHMMSS
MerchantId	000005111111111	
TerminalId	CX123456	
OfflineFlag	N	Online Transaction
CardholderName	TEST BCACARD GOLD B24 I_ _ _	_ is space character
PANCashierCard	spaces	
InvoiceNumber	100009	Number for Void, refund, adjustment and reprint transaction
BatchNumber	000027	
IssuerId	07	Value of BCA Card's Card Type
InstallmentFlag	N	Non Installment Transaction
DCCFlag	N	Non DCC Transaction
RewardFlag	N	No Redeem Transaction
InfoAmount	000000000000	No other amount, eg: Installment Monthly Amount or DCC Amount (CardHolder Billing Amount)
DCCDecimalPlace	spaces	
DCCCurrencyName	spaces	
DCCExRate	spaces	
CouponFlag	N	Coupon Flag off
Filler	spaces	

ETX	03	
LRC	38	

2. Sale + Other Amount (Trans Type = 02)

Sale (payment/base/fare) with Other Amount (cash/tips/non fare) using Debit/Credit Card

Transaction sample :

Transaction amount is the sum of Base Amount and Other Amount (Cash/tips/non fare)

Sample Sale with Trans Amount 200000 IDR, Base Amount 198000 and other amount (Cash/tips/non fare) 2000

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (not viewable)
TransType	02	Mandatory Value of Transaction Type Sale (payment/base/fare) with Other Amount (cash/tips/non fare) using Debit/Credit Card
TransAmount	200000	Mandatory 200000 is sum of base amount and other amount, which is : - Base amount = 198000. - Other amount = 2000. Add 00 to the total amount => 20000000 Give padding => 000020000000
OtherAmount	2000	Mandatory 2000 is additional amount that can be cash/tips/non fare. Then, other amount will be add to base amount to become transaction amount. Add 00 to the other amount => 200000 Give padding => 000000200000
PAN	(blank)	Optional (for Manual Key In Transaction) Set PAN Number based on Card Information
ExpiryDate	(blank)	Optional (for Manual Key In Transaction) Set Card Expire Date (YYMM) based on Card Information
CancelReason	(blank)	Set to 00
InvoiceNumber	(blank)	Set to 000000

AuthCode	(blank)	Set to spaces
InstallmentFlag	(blank)	Set to spaces
RedeemFlag	(blank)	Set to spaces
DCCFlag	N	Set DCC Flag to N / No
InstallmentPlan	(blank)	Set to spaces
InstallmentTenor	(blank)	Set to spaces
GenericData	(blank)	Set to spaces
ReffNumber	(blank)	Set to spaces
BCAFiller	(blank)	Set to spaces
ETX	03	
LRC	18	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	not viewable	Convert the value to hex (must be 01h)
TransType	02	Value of Transaction Type Sale (payment/base/fare) with Other Amount (cash/tips/non fare) using Debit/Credit Card
TransAmount	000020000000	200000 is sum of base amount and other amount, which is : -Base amount =198000 -Other amount= 2000.
OtherAmount	000000200000	2000 is additional amount that can be cash/tips/non fare. Then, other amount will be add to base amount to become transaction amount.
PAN	188980_ _ _ _ _ _4817	_ is space character, could be masked by * With format 6.4 or based on Masking Terminal Setting
ExpiryDate	1801	YYMM, could be masked by *
RespCode	00	Transaction Approved

RRN	_ _ _ _ _ _ 100116	_ is space character
ApprovalCode	090016	
Date	20150508	YYYYMMDD
Time	143616	HHMMSS
MerchantId	000005111111111	
TerminalId	CX123456	
OfflineFlag	N	Online Transaction
CardholderName	TEST BCACARD GOLD B24 I_ _ _	_ is space character
PANCashierCard	spaces	
InvoiceNumber	100009	Number for Void, refund, adjustment and reprint transaction
BatchNumber	000027	
IssuerId	07	Value of BCA Card's Card Type
InstallmentFlag	N	Non Installment Transaction
DCCFlag	N	Non DCC Transaction
RewardFlag	N	No Redeem Transaction
InfoAmount	000000000000	No other amount, eg: Installment Monthly Amount or DCC Amount (CardHolder Billing Amount)
DCCDecimalPlace	spaces	
DCCCurrencyName	spaces	
DCCExRate	spaces	
CouponFlag	N	Coupon Flag off
Filler	Spaces	
ETX	03	
LRC	38	

3. Refund using Debit/Credit Card (TransType = 03)

Transaction sample :

    Sale with amount 4000 IDR, Other amount 0
Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (not viewable)
TransType	03	Mandatory Value of Transaction Type Refund using Debit/Credit Card
TransAmount	4000	Mandatory 4000 is refund amount, that wiil be give back to customer balance.

		Add 00 to the sale amount => 400000 Give padding => 000000400000
OtherAmount	0	Add 00 to the other amount => 000 Give padding => 000000000000
PAN	(blank)	Optional (for Manual Key In Transaction) Set PAN Number based on Card Information
ExpiryDate	(blank)	Optional (for Manual Key In Transaction) Set Card Expire Date (YYMM) based on Card Information
CancelReason	(blank)	Set to 00
InvoiceNumber	(blank)	Set to 000000
AuthCode	(blank)	Set to spaces
InstallmentFlag	(blank)	Set to spaces
RedeemFlag	(blank)	Set to spaces
DCCFlag	N	Set DCC Flag to N / No
InstallmentPlan	(blank)	Set to spaces
InstallmentTenor	(blank)	Set to spaces
GenericData	(blank)	Set to spaces
ReffNumber	(blank)	Set to spaces
BCAFiller	(blank)	Set to spaces
ETX	03	
LRC	4D	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	not viewable	Convert the value to hex (must be 01h)
TransType	03	Value of Transaction Type Refund using Debit/Credit Card
TransAmount	000000400000	4000 is refund amount, that wiil be give back to customer balance.
OtherAmount	000000000000	No additional amount
PAN	188980_ _ _ _ _ _4817	_ is space character, could be masked by * With format 6.4 or based on Masking Terminal Setting
ExpiryDate	1801	YYMM, could be maskedby

		*
RespCode	00	Transaction Approved
RRN	_ _ _ _ _ _ 100116	_ is space character
ApprovalCode	090016	
Date	20150508	YYYYMMDD
Time	143616	HHMMSS
MerchantId	000005111111111	
TerminalId	CX123456	
OfflineFlag	N	Online Transaction
CardholderName	TEST BCACARD GOLD B24 I_ _ _	_ is space character
PANCashierCard	spaces	
InvoiceNumber	100009	Number for Void, refund, adjustment and reprint transaction
BatchNumber	000027	
IssuerId	07	Value of BCA Card's Card Type
InstallmentFlag	N	Non Installment Transaction
DCCFlag	N	Non DCC Transaction
RewardFlag	N	No Redeem Transaction
InfoAmount	000000000000	No other amount, eg: Installment Monthly Amount or DCC Amount (CardHolder Billing Amount)
DCCDecimalPlace	spaces	
DCCCurrencyName	spaces	
DCCExRate	spaces	
CouponFlag	N	Coupon Flag off
Filler	spaces	
ETX	03	
LRC	48	

4. Cardver/ Pre-Auth (TransType = 05)

Transaction sample :

   Cardver with amount 20000 IDR, Other amount 0

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (not viewable)
TransType	05	Mandatory Value of Transaction Type Card Verification/Pre-Authorization using Credit Card

TransAmount	20000	Mandatory Add 00 to the sale amount => 2000000 Give padding => 000002000000
OtherAmount	0	Add 00 to the other amount => 000 Give padding => 000000000000
PAN	(blank)	Optional (for Manual Key In Transaction) Set PAN Number based on Card Information
ExpiryDate	(blank)	Optional (for Manual Key In Transaction) Set Card Expire Date (YYMM) based on Card Information
CancelReason	(blank)	Set to 00
InvoiceNumber	(blank)	Set to 000000
AuthCode	(blank)	Set to spaces
InstallmentFlag	(blank)	Set to spaces
RedeemFlag	(blank)	Set to spaces
DCCFlag	N	Set DCC Flag to N / No
InstallmentPlan	(blank)	Set to spaces
InstallmentTenor	(blank)	Set to spaces
GenericData	(blank)	Set to spaces
BCAFiller	(blank)	Set to spaces
ReffNumber	(blank)	Set to spaces
ETX	03	
LRC	1B	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	not viewable	Convert the value to hex (must be 01h)
TransType	05	Value of Transaction Type Card Verification/Pre-Authorization using Credit Card
TransAmount	000002000000	20000 is cardver amount that will be hold, until customer use offline transaction to release certain amount.
OtherAmount	000000000000	No additional amount
PAN	188980_ _ _ _ _ _4817	_ is space character, could be masked by * With format 6.4 or based on Masking

		Terminal Setting
ExpiryDate	1801	YYMM, could be maskedby *
RespCode	00	Transaction Approved
RRN	_ _ _ _ _ _ 100116	_ is space character
ApprovalCode	090016	
Date	20150508	YYYYMMDD
Time	143616	HHMMSS
MerchantId	000005111111111	
TerminalId	CX123456	
OfflineFlag	N	Online transaction
CardholderName	TEST BCACARD GOLD B24 I_ _ _	_ is space character
PANCashierCard	spaces	
InvoiceNumber	100009	Number for Void, refund, adjustment and reprint transaction
BatchNumber	000027	
IssuerId	07	Value of BCA Card's Card Type
InstallmentFlag	N	Non Installment Transaction
DCCFlag	N	Non DCC Transaction
RewardFlag	N	No Redeem Transaction
InfoAmount	000000000000	No other amount, eg: Installment Monthly Amount or DCC Amount (CardHolder Billing Amount)
DCCDecimalPlace	spaces	
DCCCurrencyName	spaces	
DCCExRate	spaces	
CouponFlag	N	Coupon Flag off
Filler	spaces	
ETX	03	
LRC	5A	

5. Payment Flazz Card (TransType = 06)

Transaction sample:

      Sale with amount 5000, other amount 0

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (not viewable)
TransType	06	Mandatory

		Value of Transaction Type Sale (payment) using Flazz Card
TransAmount	5000	Mandatory 5000 is payment amount use flazz card Add 00 to the sale amount => 500000 Give padding => 000000500000
OtherAmount	0	Add 00 to the other amount => 000 Give padding => 000000000000
PAN	(blank)	Set to spaces
ExpiryDate	(blank)	Set to 0000
CancelReason	(blank)	Set to 00
InvoiceNumber	(blank)	Set to 000000
AuthCode	(blank)	Set to spaces
InstallmentFlag	(blank)	Set to spaces
RedeemFlag	(blank)	Set to spaces
DccFlag	N	Set DCC Flag to N / No
InstallmentPlan	(blank)	Set to spaces
InstallmentTenor	(blank)	Set to spaces
GenericData	(blank)	Set to spaces
ReffNumber	(blank)	Set to spaces
BCAFiller	(blank)	Set to spaces
ETX	03	
LRC	18	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	not viewable	Convert the value to hex (must be 01h)
TransType	06	Value of Transaction Type Sale (payment) using Flazz Card
TransAmount	000000500000	5000 is payment amount use flazz card
OtherAmount	000010627800	Info Flazz Balance
PAN	014500_ _ _ _ _ _ 3389	_ is space character, could be masked by * With format 6.4 or based on Masking Terminal Setting
ExpiryDate	1801	YYMM, could be maskedby *
RespCode	00	Transaction Approved

RRN	_ _ _ _ _ _ _ 100116	_ is space character
ApprovalCode	090016	
Date	20150508	YYYYMMDD
Time	143616	HHMMSS
MerchantId	000885096050087	
TerminalId	EX123456	
OfflineFlag	Y	Offline Transaction
CardholderName	TEST BCACARD GOLD B24 I_ _ _	_ is space character
PANCashierCard	spaces	
InvoiceNumber	100009	Number for Void, refund, adjustment and reprint transaction (disable for flazz transaction)
BatchNumber	000027	
IssuerId	00	Value of Flazz Card's Card Type
InstallmentFlag	N	Non Installment Transaction
DCCFlag	N	Non DCC Transaction
RewardFlag	N	No Redeem Transaction
InfoAmount	000000000000	No other amount, eg: Installment Monthly Amount or DCC Amount (CardHolder Billing Amount)
DCCDecimalPlace	spaces	
DCCCurrencyName	spaces	
DCCExRate	spaces	
CouponFlag	N	Coupon Flag off
Filler	spaces	
ETX	03	
LRC	21	

6. Void Sale (TransType = 08)

Transaction sample:

Void required 2 parameters i.e. Cancel Reason and Invoice Number. The sample below shows how to void the sale from sample 1.

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (not viewable)
TransType	08	Mandatory Value of Transaction Type Void/Cancelation using Debit/Credit Card

TransAmount	0	Add 00 to the other amount => 000 Give padding => 000000000000
OtherAmount	0	Add 00 to the other amount => 000 Give padding => 000000000000
PAN	(blank)	Set to spaces
ExpiryDate	(blank)	Set to 0000
CancelReason	02	Mandatory, Void Transaction
InvoiceNumber	100009	Mandatory, Number for Void
AuthCode	(blank)	Set to spaces
InstallmentFlag	(blank)	Set to spaces
RedeemFlag	(blank)	Set to spaces
DCCFlag	N	Set DCC Flag to N / No
InstallmentPlan	(blank)	Set to spaces
InstallmentTenor	(blank)	Set to spaces
GenericData	(blank)	Set to spaces
ReffNumber	(blank)	Set to spaces
BCAFiller	(blank)	Set to spaces
ETX	03	
LRC	1F	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	not viewable	Convert the value to hex (must be 01h)
TransType	08	Value of Transaction Type Void/Cancelation using Debit/Credit Card
TransAmount	000050000000	Sale Amount Voided
OtherAmount	000000000000	No additional amount
PAN	188980_ _ _ _ _ _4817	_ is space character, could be masked by * With format 6.4 or based on Masking Terminal Setting
ExpiryDate	1801	YYMM, could be maskedby *
RespCode	00	Transaction Approved
RRN	_ _ _ _ _ _100116	_ is space character
ApprovalCode	090016	
Date	20150508	YYYYMMDD

Time		143616	HHMMSS
MerchantId		000885096050087	
TerminalId		CX123456	
OfflineFlag		N	Online transaction
CardholderName		TEST BCACARD GOLD B24 I_ _ _	_ is space character
PANCashierCard		spaces	
InvoiceNumber		100009	Number for Void
BatchNumber		000027	
IssuerId		00	Value of Flazz Card's Card Type
InstallmentFlag		N	Non Installment Transaction
DCCFlag		N	Non DCC Transaction
RewardFlag		N	No Redeem Transaction
InfoAmount		000000000000	No other amount, eg: Installment Monthly Amount or DCC Amount (CardHolder Billing Amount)
DCCDecimalPlace		spaces	
DCCCurrencyName		spaces	
DCCExRate		spaces	
CouponFlag		N	Coupon Flag off
Filler		Spaces	
ETX		03	
LRC		52	

7. Adjustment (TransType = 12)

Transaction sample:

Trans amount is the sum of Base Amount and Other Amount (adjust).

Adjustment required Invoice Number, Trans Amount and Other Amount. The sample below shows how to adjust the sale from sample 1. Trans Amount 510000 IDR, Base Amount 500000, and Other Amount (Adjust) 10000

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (not viewable)
TransType	12	Mandatory Value of Transaction Type Adjustment for Credit Card Transaction
TransAmount	510000	Mandatory, 510000 is sum of DCC sale amount and other amount, which is : - DCC sale amount = 500000.

		- Adjustment amount = 10000. Add 00 to the base amount => 51000000 Give padding => 0000051000000
OtherAmount	10000	Mandatory, 10000 is adjustment amount Then, adjustment amount will be add to base amount to become transaction amount. Add 00 to the other amount => 1000000 Give padding => 000001000000
PAN	(blank)	Optional (for Manual Key In Transaction) Set PAN Number based on Card Information
ExpiryDate	(blank)	Optional (for Manual Key In Transaction) Set Card Expire Date (YYMM) based on Card Information
CancelReason	(blank)	Set to 00
InvoiceNumber	100009	Mandatory, Number for adjustment, get from previous dcc sale transaction.
AuthCode	(blank)	Set to spaces
InstallmentFlag	(blank)	Set to spaces
RedeemFlag	(blank)	Set to spaces
DCCFlag	N	Set DCC Flag to N / No
InstallmentPlan	(blank)	Set to spaces
InstallmentTenor	(blank)	Set to spaces
GenericData	(blank)	Set to spaces
ReffNumber	(blank)	Set to spaces
BCAFiller	(blank)	Set to spaces
ETX	03	
LRC	1E	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	not viewable	Convert the value to hex (must be 01h)

TransType	12	Value of Transaction Type Adjustment for Credit Card Transaction
TransAmount	000051000000	510000 is sum of sale amount and adjust amount, which is : -Sale amount = 500000 -Adjustment amount= 10000.
OtherAmount	000001000000	10000 is adjustment amount. Then, adjustment amount will be add to base amount to become transaction amount.
PAN	188980_ _ _ _ _ _ 4817	_ is space character, could be masked by * With format 6.4 or based on Masking Terminal Setting
ExpiryDate	1801	YYMM, could be maskedby *
RespCode	00	Transaction approved
RRN	_ _ _ _ _ _ 100116	_ is space character
ApprovalCode	090016	
Date	20150508	YYYYMMDD
Time	143616	HHMMSS
MerchantId	000885096050087	
TerminalId	CX123456	
OfflineFlag	N	Online Transaction
CardholderName	TEST BCACARD GOLD B24 I_ _ _	_ is space character
PANCashierCard	spaces	
InvoiceNumber	100009	Number for adjustment, get from previous dcc sale transaction.
BatchNumber	000027	
IssuerId	00	Value of Flazz Card's Card Type
InstallmentFlag	N	Non Installment Transaction
DCCFlag	N	Non DCC Transaction
RewardFlag	N	No Redeem Transaction
InfoAmount	000000000000	No other amount, eg: Installment Monthly Amount or DCC Amount (CardHolder Billing Amount)
DCCDecimalPlace	spaces	
DCCCurrencyName	spaces	

DCCExRate	spaces	
CouponFlag	N	Coupon Flag off
Filler	spaces	
ETX	03	
LRC	5C	

8. Echo Test (TransType = 17)

Transaction sample:

Send echo test to check connectivity between ECR/POS and EDC.

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (not viewable)
TransType	17	Mandatory Value of Transaction Type Echo-test
TransAmount	0	Add 00 to the sale amount => 000 Give padding => 0000000000000
OtherAmount	0	Add 00 to the other amount => 000 Give padding => 000000000000
PAN	(blank)	Set to spaces
ExpiryDate	(blank)	Set to 0000
CancelReason	(blank)	Set to 00
InvoiceNumber	(blank)	Set to 000000
AuthCode	(blank)	Set to spaces
InstallmentFlag	(blank)	Set to spaces
RedeemFlag	(blank)	Set to spaces
DCCFlag	N	Set DCC Flag to N / No
InstallmentPlan	(blank)	Set to spaces
InstallmentTenor	(blank)	Set to spaces
GenericData	(blank)	Set to spaces
ReffNumber	(blank)	Set to spaces
BCAFiller	(blank)	Set to spaces
ETX	03	
LRC	C	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	

Version		not viewable	Convert the value to hex (must be 01h)
TransType		17	Value of Transaction Type Echo-test
TransAmount		000000000000	No amount of the transaction
OtherAmount		000000000000	No additional amount
PAN		spaces	
ExpiryDate		spaces	
RespCode		spaces	
RRN		Spaces	
ApprovalCode		spaces	
Date		spaces	
Time		spaces	
MerchantId		spaces	
TerminalId		spaces	
OfflineFlag		Y	Offline transaction
CardholderName		spaces	
PANCashierCard		spaces	
InvoiceNumber		spaces	
BatchNumber		spaces	
IssuerId		spaces	
InstallmentFlag		spaces	
DCCFlag		spaces	
RewardFlag		spaces	
InfoAmount		spaces	
DCCDecimalPlace		spaces	
DCCCurrencyName		spaces	
DCCExRate		spaces	
CouponFlag		spaces	
Filler		spaces	
ETX		03	
LRC		5F	

9. **Reprint (TransType = 19)**

Transaction sample:

Reprint receipt required Invoice Number. The sample below shows how to reprint the sale from sample 1.

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (not viewable)

TransType	19	Mandatory Value of Transaction Type Reprint Receipt
TransAmount	0	Add 00 to the sale amount => 000 Give padding => 0000000000000
OtherAmount	0	Add 00 to the other amount => 0000000 Give padding => 000000000000
PAN	(blank)	Set to spaces
ExpiryDate	(blank)	Set to 0000
CancelReason	(blank)	Set to 00
InvoiceNumber	100009	Mandatory, number for reprint
AuthCode	(blank)	Set to spaces
InstallmentFlag	(blank)	Set to spaces
RedeemFlag	(blank)	Set to spaces
DCCFlag	N	Set DCC Flag to N / No
InstallmentPlan	(blank)	Set to spaces
InstallmentTenor	(blank)	Set to spaces
GenericData	(blank)	Set to spaces
ReffNumber	(blank)	Set to spaces
BCAFiller	(blank)	Set to spaces
ETX	03	
LRC	14	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	not viewable	Convert the value to hex (must be 01h)
TransType	19	Value of Transaction Type Reprint Receipt
TransAmount	000050000000	Total amount of the transaction
OtherAmount	000000000000	No additional amount
PAN	188980_ _ _ _ _ _4817	_ is space character, could be masked by * With format 6.4 or based on Masking Terminal Setting
ExpiryDate	1801	YYMM, could be maskedby *
RespCode	00	Transaction approved
RRN	_ _ _ _ _ _ 100116	_ is space character
ApprovalCode	090016	
Date	20150508	YYYYMMDD
Time	143616	HHMMSS

MerchantId	000005111111111	
TerminalId	CX123456	
OfflineFlag	N	Online transaction
CardholderName	TEST BCACARD GOLD B24 I_ _ _	_ is space character
PANCashierCard	spaces	
InvoiceNumber	100009	Number for reprint
BatchNumber	000027	
IssuerId	07	Value of BCA Card's Card Type
InstallmentFlag	N	Non Installment Transaction
DCCFlag	N	Non DCC Transaction
RewardFlag	N	No Redeem Transaction
InfoAmount	000000000000	No other amount, eg: Installment Monthly Amount or DCC Amount (CardHolder Billing Amount)
DCCDecimalPlace	spaces	
DCCCurrencyName	spaces	
DCCExRate	spaces	
CouponFlag	spaces	
Filler	spaces	
ETX	03	
LRC	3D	

10. Inquiry All Transaction (TransType = 20)
Transaction sample:

   Inquiry all transaction, shows total transaction amount, date and time

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (not viewable)
TransType	20	Mandatory Value of Transaction Type Inquiry All Transaction
TransAmount	0	Add 00 to the sale amount => 000 Give padding => 0000000000000
OtherAmount	0	Add 00 to the other amount => 000 Give padding => 000000000000
PAN	(blank)	Set to spaces
ExpiryDate	(blank)	Set to 0000
CancelReason	(blank)	Set to 00
InvoiceNumber	(blank)	Set to 000000
AuthCode	(blank)	Set to spaces

InstallmentFlag	(blank)	Set to spaces
RedeemFlag	(blank)	Set to spaces
DCCFlag	N	Set DCC Flag to N / No
InstallmentPlan	(blank)	Set to spaces
InstallmentTenor	(blank)	Set to spaces
GenericData	(blank)	Set to spaces
ReffNumber	(blank)	Set to spaces
BCAFiller	(blank)	Set to spaces
ETX	03	
LRC	1F	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	not viewable	Convert the value to hex (must be 01h)
TransType	20	Value of Transaction Type Inquiry All Transaction
TransAmount	000050000000	Total amount all transaction
OtherAmount	000000000000	No additional amount
PAN	spaces	
ExpiryDate	spaces	
RespCode	00	Transaction approved
RRN	spaces	
ApprovalCode	spaces	
Date	20150508	YYYYMMDD
Time	143616	HHMMSS
MerchantId	spaces	
TerminalId	spaces	
OfflineFlag	Y	Offline transaction
CardholderName	spaces	
PANCashierCard	spaces	
InvoiceNumber	spaces	
BatchNumber	spaces	
IssuerId	spaces	
InstallmentFlag	spaces	
DCCFlag	spaces	
RewardFlag	spaces	
InfoAmount	spaces	
DCCDecimalPlace	spaces	
DCCCurrencyName	spaces	
DCCExRate	spaces	

Field	Value	Action
CouponFlag	spaces	
Filler	spaces	
ETX	03	
LRC	54	

11. Top Up Flazz (TransType = 21)

Transaction sample:

Top up flazz using debit card (source) to Flazz (destination) with amount 21000 IDR

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (not viewable)
TransType	21	Mandatory Value of Transaction Type TOP UP Flazz using Debit Card (Source) and Flazz Card (Destination)
TransAmount	21000	Mandatory, 21000 is topup amount that will be transfer from debit card balance (source) to flazz balance (destination). Add 00 to the sale amount => 2100000 Give padding => 0000002100000
OtherAmount	0	Add 00 to the other amount => 0000000 Give padding => 000000000000
PAN	(blank)	Set to spaces
ExpiryDate	(blank)	Set to 0000
CancelReason	(blank)	Set to 00
InvoiceNumber	(blank)	Set to 000000
AuthCode	(blank)	Set to spaces
InstallmentFlag	(blank)	Set to spaces
RedeemFlag	(blank)	Set to spaces
DCCFlag	N	Set DCC Flag to N / No
InstallmentPlan	(blank)	Set to spaces
InstallmentTenor	(blank)	Set to spaces
GenericData	(blank)	Set to spaces
ReffNumber	(blank)	Set to spaces
BCAFiller	(blank)	Set to spaces
ETX	03	
LRC	1D	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	not viewable	Convert the value to hex (must be 01h)
TransType	21	Value of Transaction Type TOP UP Flazz using Debit Card (Source) and Flazz Card (Destination)
TransAmount	000002100000	21000 is topup amount that will be transfer from debit card balance (source) to flazz balance (destination).
OtherAmount	000012727800	Flazz Balance after topup transaction finished.
PAN	014500_ _ _ _ _ _3389	_ is space character, could be masked by * With format 6.4 or based on Masking Terminal Setting
ExpiryDate	2505	YYMM, could be maskedby *
RespCode	00	Transaction approved
RRN	_ _ _ _ _ _ 100116	_ is space character
ApprovalCode	090016	
Date	20150508	YYYYMMDD
Time	143616	HHMMSS
MerchantId	000005111111111	
TerminalId	EX123456	
OfflineFlag	N	Online transaction
CardholderName	TEST BCACARD GOLD B24 I_ _ _	_ is space character
PANCashierCard	spaces	
InvoiceNumber	100009	Number for Void, refund, adjustment and reprint transaction (disable for flazz transaction)
BatchNumber	000027	
IssuerId	00	Value of Flazz Card's Card Type
InstallmentFlag	N	Non Installment Transaction
DCCFlag	N	Non DCC Transaction
RewardFlag	N	No Redeem Transaction
InfoAmount	000000000000	No other amount, eg:

		Installment Monthly Amount or DCC Amount (CardHolder Billing Amount)
DCCDecimalPlace	spaces	
DCCCurrencyName	spaces	
DCCExRate	spaces	
CouponFlag	N	Coupon flag Off
Filler	spaces	
ETX	03	
LRC	32	

12. Cash Top Up (TransType = 22)

Transaction sample:

    Cash top up using cashier card (source) to Flazz (destination) with amount 22000 IDR

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (not viewable)
TransType	22	Mandatory Value of Transaction Type Cash TOP UP using Chasier Card (Source) and Flazz Card (Destination)
TransAmount	22000	Mandatory 22000 is cash topup amount that will be transfer from cahier card balance (source) to flazz balance (destination). Add 00 to the sale amount => 2200000 Give padding => 0000002200000
OtherAmount	0	Add 00 to the other amount => 0000000 Give padding => 000000000000
PAN	(blank)	Set to spaces
ExpiryDate	(blank)	Set to 0000
CancelReason	(blank)	Set to 00
InvoiceNumber	(blank)	Set to 000000
AuthCode	(blank)	Set to spaces
InstallmentFlag	(blank)	Set to spaces
RedeemFlag	(blank)	Set to spaces
DCCFlag	N	Set DCC Flag to N / No
InstallmentPlan	(blank)	Set to spaces
InstallmentTenor	(blank)	Set to spaces
GenericData	(blank)	Set to spaces

Field	Value	Description
ReffNumber	(blank)	Set to spaces
BCAFiller	(blank)	Set to spaces
ETX	03	
LRC	1D	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	not viewable	Convert the value to hex (must be 01h)
TransType	22	Value of Transaction Type Cash TOP UP using Chasier Card (Source) and Flazz Card (Destination)
TransAmount	000002200000	22000 is cash topup amount that will be transfer from cahier card balance (source) to flazz balance (destination).
OtherAmount	000012727800	Flazz balance after cash topup transaction.
PAN	014500_ _ _ _ _ _3389	_ is space character, could be masked by * With format 6.4 or based on Masking Terminal Setting
ExpiryDate	2505	YYMM, could be maskedby *
RespCode	00	Transaction approved
RRN	_ _ _ _ _ _ 100116	_ is space character
ApprovalCode	090016	
Date	20150508	YYYYMMDD
Time	143616	HHMMSS
MerchantId	000005111111111	
TerminalId	EX123456	
OfflineFlag	N	Online transaction
CardholderName	TEST BCACARD GOLD B24 I_ _ _	_ is space character
PANCashierCard	0145000100342977	
InvoiceNumber	100009	Number for Void, refund, adjustment and reprint transaction (disable for flazz

		transaction)
BatchNumber	000027	
IssuerId	00	Value of Flazz Card's Card Type
InstallmentFlag	N	Non Installment Transaction
DCCFlag	N	Non DCC Transaction
RewardFlag	N	No Redeem Transaction
InfoAmount	000000000000	No other amount, eg: Installment Monthly Amount or DCC Amount (CardHolder Billing Amount)
DCCDecimalPlace	spaces	
DCCCurrencyName	spaces	
DCCExRate	spaces	
CouponFlag	N	Coupon flag Off
Filler	spaces	
ETX	03	
LRC	36	

13. Get Info (TransType = 23)

Transaction sample:

    Get PAN and Expiry Date Debit/Credit/Flazz Card

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (not viewable)
TransType	23	Value of Transaction Type Get Card Information
TransAmount	0	Add 00 to the sale amount => 000 Give padding => 0000000000000
OtherAmount	0	Add 00 to the other amount => 000 Give padding => 000000000000
PAN	(blank)	Set to spaces
ExpiryDate	(blank)	Set to 0000
CancelReason	(blank)	Set to 00
InvoiceNumber	(blank)	Set to 000000
AuthCode	(blank)	Set to spaces
InstallmentFlag	(blank)	Set to spaces
RedeemFlag	(blank)	Set to spaces
DCCFlag	N	Set DCC Flag to N / No
InstallmentPlan	(blank)	Set to spaces
InstallmentTenor	(blank)	Set to spaces
GenericData	(blank)	Set to spaces

Field	Value	Description
ReffNumber	(blank)	Set to spaces
BCAFiller	(blank)	Set to spaces
ETX	03	
LRC	1C	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	not viewable	Convert the value to hex (must be 01h)
TransType	23	Value of Transaction Type Get Card Information
TransAmount	000000000000	No amount of the transaction
OtherAmount	000000000000	No additional amount
PAN	0145000100343389	Unmask
ExpiryDate	2505	YYMM
RespCode	spaces	
RRN	spaces	
ApprovalCode	spaces	
Date	spaces	
Time	spaces	
MerchantId	spaces	
TerminalId	spaces	
OfflineFlag	Y	Offline transaction
CardholderName	spaces	
PANCashierCard	spaces	
InvoiceNumber	spaces	
BatchNumber	spaces	
IssuerId	00	Value of Flazz Card's Card Type
InstallmentFlag	N	Non Installment Transaction
DCCFlag	N	Non DCC Transaction
RewardFlag	N	No Redeem Transaction
InfoAmount	000000000000	No other amount, eg: Installment Monthly Amount or DCC Amount (CardHolder Billing Amount)
DCCDecimalPlace	spaces	
DCCCurrencyName	spaces	
DCCExRate	spaces	
CouponFlag	N	Coupon flag Off
Filler	spaces	
ETX	03	

Field	Value	Action
LRC		3D

14. **Cash Top Up (TransType = 24)**

Transaction sample:

Cash top up using cashier card (source) to Flazz (destination) with amount 22000 IDR
With flow cashier card pin checking.

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (not viewable)
TransType	24	Mandatory Value of Transaction Type Cash TOP UP using Chasier Card (Source) and Flazz Card (Destination)
TransAmount	22000	Mandatory 22000 is cash topup amount that will be transfer from cahier card balance (source) to flazz balance (destination). Add 00 to the sale amount => 2200000 Give padding => 0000002200000
OtherAmount	0	Add 00 to the other amount => 0000000 Give padding => 000000000000
PAN	(blank)	Set to spaces
ExpiryDate	(blank)	Set to 0000
CancelReason	(blank)	Set to 00
InvoiceNumber	(blank)	Set to 000000
AuthCode	(blank)	Set to spaces
InstallmentFlag	(blank)	Set to spaces
RedeemFlag	(blank)	Set to spaces
DCCFlag	N	Set DCC Flag to N / No
InstallmentPlan	(blank)	Set to spaces
InstallmentTenor	(blank)	Set to spaces
GenericData	(blank)	Set to spaces
ReffNumber	(blank)	Set to spaces
BCAFiller	(blank)	Set to spaces
ETX	03	
LRC	1D	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	not viewable	Convert the value to hex (must be 01h)
TransType	22	Value of Transaction Type Cash TOP UP using Chasier Card (Source) and Flazz Card (Destination)
TransAmount	000002200000	22000 is cash topup amount that will be transfer from cahier card balance (source) to flazz balance (destination).
OtherAmount	000012727800	Flazz balance after cash topup transaction.
PAN	014500_ _ _ _ _ _3389	_ is space character, could be masked by * With format 6.4 or based on Masking Terminal Setting
ExpiryDate	2505	YYMM, could be maskedby *
RespCode	00	Transaction approved
RRN	_ _ _ _ _ _ 100116	_ is space character
ApprovalCode	090016	
Date	20150508	YYYYMMDD
Time	143616	HHMMSS
MerchantId	000005111111111	
TerminalId	EX123456	
OfflineFlag	N	Online transaction
CardholderName	TEST BCACARD GOLD B24 I_ _ _	_ is space character
PANCashierCard	0145000100342977	
InvoiceNumber	100009	Number for Void, refund, adjustment and reprint transaction (disable for flazz transaction)
BatchNumber	000027	
IssuerId	00	Value of Flazz Card's Card Type
InstallmentFlag	N	Non Installment Transaction
DCCFlag	N	Non DCC Transaction
RewardFlag	N	No Redeem Transaction
InfoAmount	000000000000	No other amount, eg:

		Installment Monthly Amount or DCC Amount (CardHolder Billing Amount)
DCCDecimalPlace	spaces	
DCCCurrencyName	spaces	
DCCExRate	spaces	
CouponFlag	N	Coupon flag Off
Filler	spaces	
ETX	03	
LRC	36	

15. Balance Inquiry Flazz (Prepaid) Card

Transaction sample:

    Get Flazz Balance

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (not viewable)
TransType	36	Mandatory Value of Transaction Type Balance Inquiry Flazz (prepaid) Card
TransAmount	0	Add 00 to the sale amount => 000 Give padding => 0000000000000
OtherAmount	0	Add 00 to the other amount => 000 Give padding => 000000000000
PAN	(blank)	Set to spaces
ExpiryDate	(blank)	Set to 0000
CancelReason	(blank)	Set to 00
InvoiceNumber	(blank)	Set to 000000
AuthCode	(blank)	Set to spaces
InstallmentFlag	(blank)	Set to spaces
RedeemFlag	(blank)	Set to spaces
DCCFlag	N	Set DCC Flag to N / No
InstallmentPlan	(blank)	Set to spaces
InstallmentTenor	(blank)	Set to spaces
GenericData	(blank)	Set to spaces
ReffNumber	(blank)	Set to spaces
BCAFiller	(blank)	Set to spaces
ETX	03	
LRC	18	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	not viewable	Convert the value to hex (must be 01h)
TransType	36	Value of Transaction Type Balance Inquiry Flazz (prepaid) Card
TransAmount	000000000000	No amount of the transaction
OtherAmount	000012727800	Flazz Balance
PAN	0145000100342977	unmask
ExpiryDate	2505	YYMM, unmask
RespCode	spaces	
RRN	spaces	
ApprovalCode	spaces	
Date	20150508	YYYYMMDD
Time	143616	HHMMSS
MerchantId	000005111111111	
TerminalId	EX123456	
OfflineFlag	Y	Offline transaction
CardholderName	spaces	
PANCashierCard	spaces	
InvoiceNumber	spaces	
BatchNumber	000023	
IssuerId	00	Value of Flazz Card's Card Type
InstallmentFlag	spaces	
DCCFlag	spaces	
RewardFlag	spaces	
InfoAmount	spaces	
DCCDecimalPlace	spaces	
DCCCurrencyName	spaces	
DCCExRate	spaces	
CouponFlag	spaces	
Filler	spaces	
ETX	03	
LRC	46	

16. Sale (Trans Type = 01) with Installment

Credit Sale Transaction

Transaction sample :

Sale with amount 500.000, Installment: Y, Installment Plan: 001, Installment Tenor: 06.

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (not viewable)
TransType	01	Mandatory Value of Transaction Type Sale (payment) using Debit/Credit/Flazz Card
TransAmount	500000	Mandatory, 500000 is sale amount that will be pay partially each month, depending on number of month (tenor). Add 00 to the sale amount => 50000000 Give padding => 0000050000000
OtherAmount	0	Add 00 to the other amount => 000 Give padding => 000000000000
PAN	(blank)	Optional (for Manual Key In Transaction) Set PAN Number based on Card Information
ExpiryDate	(blank)	Optional (for Manual Key In Transaction) Set Card Expire Date (YYMM) based on Card Information
CancelReason	(blank)	Set to 00
InvoiceNumber	(blank)	Set to 000000
AuthCode	(blank)	Set to spaces
InstallmentFlag	Y	Set Installment Flag to Y / Yes
RedeemFlag	N	Set Redeem Flag to N / No
DCCFlag	N	Set DCC Flag to N / No
InstallmentPlan	001	Mandatory if installment flag is Y. Set to 001 (Sample Only)
InstallmentTenor	06	Mandatory if installment flag is Y. Set to 06 (means 6 month, Sample Only)
GenericData	(blank)	Set to spaces
ReffNumber	(blank)	Set to spaces
BCAFiller	(blank)	Set to spaces
ETX	03	
LRC	19	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	not viewable	Convert the value to hex (must be 01h)
TransType	01	Value of Transaction Type Sale (payment) using Debit/Credit/Flazz Card
TransAmount	000050000000	500000 is sale amount that will be pay partially each month, depending on number of month (tenor).
OtherAmount	000000000000	No additional amount
PAN	455632_ _ _ _ _ _0806	_ is space character, could be masked by * With format 6.4 or based on Masking Terminal Setting
ExpiryDate	1710	YYMM, could be masked by *
RespCode	00	Transaction approved
RRN	_ _ _ _ _ _100265	_ is space character
ApprovalCode	000152	
Date	20150428	YYYYMMDD
Time	134211	HHMMSS
MerchantId	000005000015999	
TerminalId	TESMCN01	
OfflineFlag	N	Online transaction
CardholderName	TEST-VISASILVER_ _ _ _ _ _ _ _ _ _ _	_ is space character
PANCashierCard	spaces	
InvoiceNumber	100028	Number for Void, refund, adjustment and reprint transaction
BatchNumber	000047	
IssuerId	01	Value of VISA Card Type
InstallmentFlag	Y	Installment Transaction
DCCFlag	N	Non DCC Transaction
RewardFlag	N	No Redeem Transaction
InfoAmount	000008333300	Installment monthly amount. 500000 / 6 (tenor) = 83333.
DCCDecimalPlace	spaces	

DCCCurrencyName	spaces	
DCCExRate	spaces	
CouponFlag	N	Coupon Flag off
Filler	spaces	
ETX	03	
LRC	5E	

17. Loyaty With Redeem

Transaction sample:

      Sale with amount 100.000 and Reedem.

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (not viewable)
TransType	01	Mandatory Value of Transaction Type Sale (payment) using Debit/Credit Card
TransAmount	100000	Mandatory 100000 is sale amount that will be substracted by reward balance. Reward ballance will be increased depending on sale amount Add 00 to the sale amount =>10000000 Give padding => 000010000000
OtherAmount	0	Add 00 to the other amount => 000 Give padding => 000000000000
PAN	(blank)	Optional (for Manual Key In Transaction) Set PAN Number based on Card Information
ExpiryDate	(blank)	Optional (for Manual Key In Transaction) Set Card Expire Date (YYMM) based on Card Information
CancelReason	(blank)	Set to 00
InvoiceNumber	(blank)	Set to 000000
AuthCode	(blank)	Set to spaces
InstallmentFlag	(blank)	Set to spaces
RedeemFlag	Y	Set Redeem Flag to Y / Yes
DCCFlag	N	Set DCC Flag to N / No
InstallmentPlan	(blank)	Set to spaces
InstallmentTenor	(blank)	Set to spaces

Field	Value	Description
GenericData	(blank)	Set to spaces
ReffNumber	(blank)	Set to spaces
BCAFiller	(blank)	Set to spaces
ETX	03	
LRC	64	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	01	In Hex, so convert the value to string (notviewable)
TransType	01	Value of Transaction Type Sale (payment) using Debit/Credit Card
TransAmount	000001000000	100000 is sale amount that already substracted by reward balance. In this case, sale amount is not decreased because reward balance is 0. In general case, sale amount will be substracted by reward ballance. Eg: - Sale amount 100000. - Reward balance 20000. So, amount that will be pay by customer is 80000. Reward balance will be substracted maximum depending on transaction amount (transaction amount can be decreased to 0 if reward ballance is equal or greater than transaction amount).
OtherAmount	000000000000	No additional amount
PAN	108860_ _ _ _ _ _3110	_ is space character, could be masked by * With format 6.4 or based on Masking Terminal Setting
ExpiryDate	1710	YYMM, could be maskedby *
RespCode	00	Transaction approved
RRN	_ _ _ _ _ _ 100266	_ is space character

ApprovalCode		000153	
Date		20150428	YYYYMMDD
Time		134330	HHMMSS
MerchantId		000005000015999	
TerminalId		TESMCN01	
OfflineFlag		N	Online transaction
CardholderName	TEST-BCA BLUE_ _ _ _ _ _ _ _ _ _ _ _ _		_ is space character
PANCashierCard		spaces	
InvoiceNumber		100029	Number for Void, refund, adjustment and reprint transaction
BatchNumber		000047	
IssuerId		07	Value of BCA Card Type
InstallmentFlag		N	Non Installment Transaction
DCCFlag		N	Non DCC Transaction
RewardFlag		Y	Redeem Transaction
InfoAmount		000000000000	No other amount, eg: Installment Monthly Amount or DCC Amount (CardHolder Billing Amount)
DCCDecimalPlace		spaces	
DCCCurrencyName		spaces	
DCCExRate		spaces	
CouponFlag		N	Coupon Flag off
Filler		spaces	
ETX		03	
LRC		41	

18. Loyalty without redeem

Transaction sample:

    Sale with amount 110.000 and No Reedem

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (not viewable)
TransType	01	Mandatory Value of Transaction Type Sale (payment) using Debit/Credit Card
TransAmount	110000	Mandatory Reward ballance will be increased

			depending on sale amount. Add 00 to the sale amount =>11000000 Give padding => 000011000000
OtherAmount		0	Add 00 to the other amount => 000 Give padding => 000000000000
PAN		(blank)	Optional (for Manual Key In Transaction) Set PAN Number based on Card Information
ExpiryDate		(blank)	Optional (for Manual Key In Transaction) Set Card Expire Date (YYMM) based on Card Information
CancelReason		(blank)	Set to 00
InvoiceNumber		(blank)	Set to 000000
AuthCode		(blank)	Set to spaces
InstallmentFlag		(blank)	Set to spaces
RedeemFlag		(blank)	Set to spaces
DCCFlag		N	Set DCC Flag to N / No
InstallmentPlan		(blank)	Set to spaces
InstallmentTenor		(blank)	Set to spaces
GenericData		(blank)	Set to spaces
ReffNumber		(blank)	Set to spaces
BCAFiller		(blank)	Set to spaces
ETX		03	
LRC		1C	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	01	In Hex, so convert the value to string (notviewable)
TransType	01	Value of Transaction Type Sale (payment) using Debit/Credit Card
TransAmount	000001100000	Total amount of the transaction
OtherAmount	000000000000	No additional amount
PAN	108860_ _ _ _ _ _3110	_ is space character, could be masked by * With format 6.4 or based on Masking Terminal Setting
ExpiryDate	1710	YYMM, could be maskedby *
RespCode	00	Transaction approved
RRN	_ _ _ _ _ _ 100005	_ is space character

Field	Value	Action
ApprovalCode	005268	
Date	20150511	YYYYMMDD
Time	113114	HHMMSS
MerchantId	000005000015999	
TerminalId	TESMCN01	
OfflineFlag	N	Online transaction
CardholderName	TEST-BCA BLUE_ _ _ _ _ _ _ _ _ _ _ _ _	_ is space character
PANCashierCard	Spaces	
InvoiceNumber	100004	Number for Void, refund, adjustment and reprint transaction
BatchNumber	000054	
IssuerId	07	Value of BCA Card Type
InstallmentFlag	N	Non Installment Transaction
DCCFlag	N	Non DCC Transaction
RewardFlag	N	No Redeem Transaction
InfoAmount	000000000000	No other amount, eg: Installment Monthly Amount or DCC Amount (CardHolder Billing Amount)
DCCDecimalPlace	spaces	
DCCCurrencyName	spaces	
DCCExRate	spaces	
CouponFlag	N	Coupon Flag off
Filler	spaces	
ETX	03	
LRC	59	

19. Fare with Non Fare Transaction (with ticket number)
 Transaction sample:

 Total Sale 45.000 (Fare with amount 40.000 + Non Fare with amount 5.000), Ticket Number: 22222.

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (not viewable)
TransType	02	Mandatory Value of Transaction Type Sale (payment/base/fare) with Other Amount (cash/tips/non fare) using Debit/Credit Card

Field	Value	Description

TransAmount	45000	Mandatory
		45000 is sum of fare amount and non fare amount, which is :
		  - Fare amount = 40000.
		  - Non fare amount = 5000.
		
		Add 00 to the sale amount => 4500000
		Give padding => 000004500000

OtherAmount	5000	Mandatory Add 00 to the other amount => 500000 Give padding => 000000500000
PAN	(blank)	Optional (for Manual Key In Transaction) Set PAN Number based on Card Information
ExpiryDate	(blank)	Optional (for Manual Key In Transaction) Set Card Expire Date (YYMM) based on Card Information
CancelReason	(blank)	Set to 00
InvoiceNumber	(blank)	Set to 000000
AuthCode	(blank)	Set to spaces
InstallmentFlag	(blank)	Set to spaces
RedeemFlag	(blank)	Set to spaces
DCCFlag	N	Set DCC Flag to N / No
InstallmentPlan	(blank)	Set to spaces
InstallmentTenor	(blank)	Set to spaces
GenericData	22222	Optional Ticket Number
ReffNumber	(blank)	Set to spaces
BCAFiller	(blank)	Set to spaces
ETX	03	
LRC	9	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	01	In Hex, so convert the value to string (notviewable)
TransType	02	Value of Transaction Type Sale (payment/base/fare) with Other Amount (cash/tips/non fare) using Debit/Credit Card
TransAmount	000004500000	45000 is sum of fare amount and non fare amount, which is : -Fare amount = 40000

			-Non fare amount= 5000.
OtherAmount		000000500000	5000 is non fare amount. Then, non fare amount will be add to fare amount to become transaction amount.
PAN		476134_ _ _ _ _ _0035	_ is space character, could be masked by * With format 6.4 or based on Masking Terminal Setting
ExpiryDate		0000	YYMM, could be masked by *
RespCode		00	Transaction approved
RRN		_ _ _ _ _ _ 100702	_ is space character
ApprovalCode		029315	
Date		20150428	YYYYMMDD
Time		154236	HHMMSS
MerchantId	000005111111111		
TerminalId	CECRTST1		
OfflineFlag		N	Online transaction
CardholderName	CARD 3/VISA TEST _ _ _ _ _ _ _ _ _ _		_ is space character
PANCashierCard		Spaces	
InvoiceNumber		100046	Number for Void, refund, adjustment and reprint transaction
BatchNumber		000002	
IssuerId		01	Value of Visa Card Type
InstallmentFlag		N	Non Installment Transaction
DCCFlag		N	Non DCC Transaction
RewardFlag		N	No Redeem Transaction
InfoAmount		000000000000	No other amount, eg: Installment Monthly Amount or DCC Amount (CardHolder Billing Amount)
DCCDecimalPlace		spaces	
DCCCurrencyName		spaces	
DCCExRate		spaces	
CouponFlag		N	Coupon Flag off
Filler		spaces	
ETX		03	
LRC		55	

20. Cardver/Auth Transaction

Transaction sample:

Cardver/Authorization amount 100.000

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (not viewable)
TransType	05	Mandatory Value of Transaction Type Card Verification/Pre-Authorization using Credit Card
TransAmount	100000	Mandatory Add 00 to the sale amount => 10000000 Give padding => 000010000000
OtherAmount	0	Add 00 to the other amount => 000 Give padding => 000000000000
PAN	(blank)	Optional (for Manual Key In Transaction) Set PAN Number based on Card Information
ExpiryDate	(blank)	Optional (for Manual Key In Transaction) Set Card Expire Date (YYMM) based on Card Information
CancelReason	(blank)	Set to 00
InvoiceNumber	(blank)	Set to 000000
AuthCode	(blank)	Set to spaces
InstallmentFlag	(blank)	Set to spaces
RedeemFlag	(blank)	Set to spaces
DCCFlag	N	Set DCC Flag to N / No
InstallmentPlan	(blank)	Set to spaces
InstallmentTenor	(blank)	Set to spaces
GenericData	(blank)	Set to spaces
ReffNumber	(blank)	Set to spaces
BCAFiller	(blank)	Set to spaces
ETX	03	
LRC	19	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	01	In Hex, so convert the value to

		string (notviewable)
TransType	05	Value of Transaction Type Card Verification/Pre-Authorization using Credit Card
TransAmount	000010000000	100000 is cardver amount that will be hold, until customer use offline transaction to release certain amount.
OtherAmount	000000000000	No additional amount
PAN	188980_ _ _ _ _ _6212	_ is space character, could be masked by * With format 6.4 or based on Masking Terminal Setting
ExpiryDate	1710	YYMM, could be masked by *
RespCode	00	Transaction approved
RRN	_ _ _ _ _ _ 101415	_ is space character
ApprovalCode	000159	
Date	20150428	YYYYMMDD
Time	162424	HHMMSS
MerchantId	000005111111111	
TerminalId	CECRTST1	
OfflineFlag	N	Online transaction
CardholderName	TEST-BCA EVRYDY _ _ _ _ _ _ _ _ _ _ _	_ is space character
PANCashierCard	Spaces	
InvoiceNumber	0	
BatchNumber	000005	
IssuerId	07	Value of BCA Card Type
InstallmentFlag	N	Non Installment Transaction
DCCFlag	N	Non DCC Transaction
RewardFlag	N	No Redeem Transaction
InfoAmount	000000000000	No other amount, eg: Installment Monthly Amount or DCC Amount (CardHolder Billing Amount)
DCCDecimalPlace	spaces	
DCCCurrencyName	spaces	
DCCExRate	spaces	
CouponFlag	N	Coupon Flag off
Filler	spaces	
ETX	03	
LRC	2C	

21. Offline Transaction

Transaction sample:

Offline transaction amount 90.000 (using no. 19 cardver transaction, auth code 000159).

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (not viewable)
TransType	07	Mandatory Value of Transaction Type Offline/Completion using Credit Card
TransAmount	90000	Mandatory Add 00 to the sale amount => 9000000 Give padding => 000009000000
OtherAmount	0	Add 00 to the other amount => 000 Give padding => 000000000000
PAN	(blank)	Optional (for Manual Key In Transaction) Set PAN Number based on Card Information
ExpiryDate	(blank)	Optional (for Manual Key In Transaction) Set Card Expire Date (YYMM) based on Card Information
CancelReason	(blank)	Set to 00
InvoiceNumber	(blank)	Set to 000000
AuthCode	000159	Mandatory
InstallmentFlag	(blank)	Set to spaces
RedeemFlag	(blank)	Set to spaces
DCCFlag	N	Set DCC Flag to N / No
InstallmentPlan	(blank)	Set to spaces
InstallmentTenor	(blank)	Set to spaces
GenericData	(blank)	Set to spaces
ReffNumber	(blank)	Set to spaces
BCAFiller	(blank)	Set to spaces
ETX	03	
LRC	1E	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	

Version	01	In Hex, so convert the value to string (notviewable)
TransType	07	Value of Transaction Type Offline/Completion using Credit Card
TransAmount	000009000000	90000 is offline amount that will be substracts cardver amount.
OtherAmount	000000000000	No additional amount
PAN	188980_ _ _ _ _ _6212	_ is space character, could be masked by * With format 6.4 or based on Masking Terminal Setting
ExpiryDate	1710	YYMM, could be masked by *
RespCode	00	Transaction approved
RRN	_ _ _ _ _ _ 101416	_ is space character
ApprovalCode	000159	
Date	20150428	YYYYMMDD
Time	162530	HHMMSS
MerchantId	000005111111111	
TerminalId	CECRTST1	
OfflineFlag	Y	Offline transaction
CardholderName	TEST-BCA EVRYDY _ _ _ _ _ _ _ _ _ _ _	_ is space character
PANCashierCard	Spaces	
InvoiceNumber	100052	Number for Void transaction
BatchNumber	000005	
IssuerId	07	Value of BCA Card Type
InstallmentFlag	N	Non Installment Transaction
DCCFlag	N	Non DCC Transaction
RewardFlag	N	No Redeem Transaction
InfoAmount	000000000000	No other amount, eg: Installment Monthly Amount or DCC Amount (CardHolder Billing Amount)
DCCDecimalPlace	spaces	
DCCCurrencyName	spaces	
DCCExRate	spaces	
CouponFlag	N	Coupon Flag off
Filler	spaces	
ETX	03	
LRC	20	

22. DCC Sale Transaction

Transaction sample:

Sale amount 500.000 (once the card is dipped or swiped, EDC recognizes the card is DCC able transaction, and proceed with DCC option transaction SGD 55.05 with FX Rate 1 IDR= 0.0001101 SGD).

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (not viewable)
TransType	01	Mandatory Value of Transaction Type Sale (payment) using Debit/Credit/Flazz Card
TransAmount	500000	Mandatory 500000 is dcc sale amount in Rupiah. It can be convert to DCC currency by choosing the currency on EDC. Add 00 to the sale amount => 50000000 Give padding => 000050000000
OtherAmount	0	Add 00 to the other amount => 000 Give padding => 000000000000
PAN	(blank)	Optional (for Manual Key In Transaction) Set PAN Number based on Card Information
ExpiryDate	(blank)	Optional (for Manual Key In Transaction) Set Card Expire Date (YYMM) based on Card Information
CancelReason	(blank)	Set to 00
InvoiceNumber	(blank)	Set to 000000
AuthCode	(blank)	Set to spaces
InstallmentFlag	(blank)	Set to spaces
RedeemFlag	(blank)	Set to spaces
DCCFlag	N	Set DCC Flag to N / No
InstallmentPlan	(blank)	Set to spaces
InstallmentTenor	(blank)	Set to spaces
GenericData	(blank)	Set to spaces
ReffNumber	(blank)	Set to spaces
BCAFiller	(blank)	Set to spaces
ETX	03	
LRC	19	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	01	In Hex, so convert the value to string (notviewable)
TransType	01	Value of Transaction Type Sale (payment) using Debit/Credit/Flazz Card
TransAmount	000050000000	500000 is dcc sale amount in Rupiah. It can be convert to DCC currency by choosing the currency on EDC.
OtherAmount	000000000000	No additional amount
PAN	476134_ _ _ _ _ _0035	_ is space character, could be masked by * With format 6.4 or based on Masking Terminal Setting
ExpiryDate	0000	YYMM, could be masked by *
RespCode	00	Transaction approved
RRN	_ _ _ _ _ _ 100140	_ is space character
ApprovalCode	050037	
Date	20150427	YYYYMMDD
Time	145920	HHMMSS
MerchantId	000005111111111	
TerminalId	TESECR01	
OfflineFlag	N	Online transaction
CardholderName	CARD 3/VISA TEST _ _ _ _ _ _ _ _ _ _	_ is space character
PANCashierCard	Spaces	
InvoiceNumber	100019	Number for Void, refund, adjustment and reprint transaction
BatchNumber	000002	
IssuerId	01	Value of Visa Card Type
InstallmentFlag	N	Non Installment Transaction
DCCFlag	Y	DCC Transaction
RewardFlag	N	No Redeem Transaction
InfoAmount	000000005505	DCC Amount (CardHolder Billing Amount)

Field	Value	Action
DCCDecimalPlace	2	Sale amount in DCC currency wil be roundup to 2 decimal place. Eg: DCC sale amount is 5505 (in SGD). So, sale amount will become to 55,05 SGD
DCCCurrencyName	SGD	Singapore Dollar currency
DCCExRate	70001101	7 means digit of number behind it, which is 0001101. 0001101 is conversion rate. In this case, with DCCExRate = 70001101 Then : 1 Rp = 0,0001101 SGD.
CouponFlag	N	Coupon Flag off
Filler	spaces	
ETX	03	
LRC	47	

23. DCC Sale + Tips Transaction

<u>Transaction sample:</u>

Transaction amount 123.456 (once the card is dipped or swiped, EDC recognize the card is DCC able transaction; once the cashier opted the preffered cardholder choices currency, the EDC screen will asked for tips [ex: cardholder choose SGD and tips SGD 0.12). EDC will give back the message contain total transaction (Sale+tips) in IDR (converted), and total transaction in preffered currency as well as the FX rate.

<u>Message data in Request Message:</u>

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (not viewable)
TransType	01	Mandatory Value of Transaction Type Sale (payment) using Debit/Credit/Flazz Card
TransAmount	123456	Mandatory 123456 is dcc sale amount in Rupiah. It can be convert to DCC currency by choosing the currency on EDC. Add 00 to the sale amount => 12345600 Give padding => 000012345600

Field	Value	Description
OtherAmount	0	Add 00 to the other amount => 000 Give padding => 000000000000
PAN	(blank)	Optional (for Manual Key In Transaction) Set PAN Number based on Card Information
ExpiryDate	(blank)	Optional (for Manual Key In Transaction) Set Card Expire Date (YYMM) based on Card Information
CancelReason	(blank)	Set to 00
InvoiceNumber	(blank)	Set to 000000
AuthCode	(blank)	Set to spaces
InstallmentFlag	(blank)	Set to spaces
RedeemFlag	(blank)	Set to spaces
DCCFlag	N	Set DCC Flag to N / No
InstallmentPlan	(blank)	Set to spaces
InstallmentTenor	(blank)	Set to spaces
GenericData	2020202 02020	Optional, Ticket number
ReffNumber	(blank)	Set to spaces
BCAFiller	(blank)	Set to spaces
ETX	03	
LRC	1B	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	01	In Hex, so convert the value to string (notviewable)
TransType	01	Value of Transaction Type Sale (payment) using Debit/Credit/Flazz Card
TransAmount	000012454500	124545 is sum of DCC sale amount and tips amount, which is : - DCC sale amount = 123456. - Tips amount = 1089.
OtherAmount	000000108900	1089 is tips amount. Then, tips amount will be add to DCC sale amount to become transaction amount.

PAN	476134_ _ _ _ _ _0035	_ is space character, could be masked by * With format 6.4 or based on Masking Terminal Setting
ExpiryDate	0000	YYMM, could be masked by *
RespCode	00	Transaction approved
RRN	_ _ _ _ _ _100007	_ is space character
ApprovalCode	056290	
Date	20150430	YYYYMMDD
Time	150753	HHMMSS
MerchantId	000005111111111	
TerminalId	TESECR01	
OfflineFlag	N	Online transaction
CardholderName	CARD 3/VISA TEST _ _ _ _ _ _ _ _ _ _	_ is space character
PANCashierCard	Spaces	
InvoiceNumber	100003	Number for Void, refund, adjustment and reprint transaction
BatchNumber	000008	
IssuerId	01	Value of Visa Card Type
InstallmentFlag	N	Non Installment Transaction
DCCFlag	Y	DCC Transaction
RewardFlag	N	No Redeem Transaction
InfoAmount	000000001359	DCC Amount (CardHolder Billing Amount)
DCCDecimalPlace	2	Sale amount in DCC currency wil be roundup to 2 decimal place. Eg: DCC sale amount is 5505 (in SGD). So, sale amount will become to 13,59 SGD
DCCCurrencyName	SGD	Singapore Dollar currency
DCCExRate	70001101	7 means digit of number behind it, which is 0001101. 0001101 is conversion rate. In this case, with DCCExRate = 70001101 Then : 1 Rp = 0,0001101 SGD.
CouponFlag	N	Coupon Flag off
Filler	spaces	
ETX	03	

Field	Value	Action
LRC	48	

24. Adjustment of DCC Sale

Transaction sample:

Cardholder had just been done sale transaction using DCC option (SGD 0,50 = IDR 4500), and want to give a tips for SGD 0,10. EDC will give back IDR Amount (Amount 1 + Amount 2) and the total of SGD transaction.

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (not viewable)
TransType	12	Mandatory Value of Transaction Type Adjustment for Credit Card Transaction

TransAmount	0,6	Mandatory
		0,6 (in SGD) is sum of DCC sale amount and adjustment amount, which is :
		  - DCC sale amount = 0,5
		  - Adjustment amount = 0,1
		
		Add 00 to the sale amount => 60
		Give padding => 000000000060

OtherAmount	0,1	Mandatory 0,1 is adjustment amount. Then, adjustment amount will be add to DCC sale amount to become transaction amount. Add 00 to the other amount => 10 Give padding => 000000000010
PAN	(blank)	Optional (for Manual Key In Transaction) Set PAN Number based on Card Information
ExpiryDate	0000	Optional (for Manual Key In Transaction) Set Card Expire Date (YYMM) based on Card Information
CancelReason	(blank)	Set to 00
InvoiceNumber	100049	Mandatory Get from previous DCC sale transaction
AuthCode	(blank)	Set to spaces
InstallmentFlag	(blank)	Set to spaces
RedeemFlag	(blank)	Set to spaces
DCCFlag	Y	Set DCC Flag to Y / Yes

Field	Value	Description
InstallmentPlan	(blank)	Set to spaces
InstallmentTenor	(blank)	Set to spaces
GenericData	(blank)	Set to spaces
ReffNumber	(blank)	Set to spaces
BCAFiller	(blank)	Set to spaces
ETX	03	
LRC	2	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	01	In Hex, so convert the value to string (notviewable)
TransType	12	Mandatory Value of Transaction Type Adjustment for Credit Card Transaction
TransAmount	000000540800	5408 (in Rupiah) is sum of DCC sale amount and adjustment amount, which is : - DCC sale amount = 4500 - Adjust amount = 908
OtherAmount	000000090800	908 (in Rupiah) is adjustment amount. Then, adjustment amount will be add to DCC sale amount to become transaction amount.
PAN	476134_ _ _ _ _0035	_ is space character, could be masked by * With format 6.4 or based on Masking Terminal Setting
ExpiryDate	0000	YYMM, could be masked by *
RespCode	00	Transaction approved
RRN	_ _ _ _ _ _ 100786	_ is space character
ApprovalCode	088455	
Date	20150511	YYYYMMDD
Time	162148	HHMMSS
MerchantId	000005111111111	
TerminalId	TESECR01	
OfflineFlag	Y	Offline transaction
CardholderName	CARD 3/VISA TEST _ _ _ _ _	_ is space character

	_ _ _ _ _	
PANCashierCard	Spaces	
InvoiceNumber	100049	Number for Void, refund, adjustment and reprint transaction
BatchNumber	000017	
IssuerId	01	Value of Visa Card Type
InstallmentFlag	N	Non Installment Transaction
DCCFlag	Y	DCC Transaction
RewardFlag	N	No Redeem Transaction
InfoAmount	000000000060	DCC Amount (CardHolder Billing Amount)
DCCDecimalPlace	2	Sale amount in DCC currency wil be roundup to 2 decimal place. Eg: DCC sale amount is 60 (in SGD). So, sale amount will become to 0,60 SGD
DCCCurrencyName	SGD	Singapore Dollar currency
DCCExRate	70001101	7 means digit of number behind it, which is 0001101. 0001101 is conversion rate. In this case, with DCCExRate = 70001101 Then : 1 Rp = 0,0001101 SGD.
CouponFlag	N	Coupon Flag off
Filler	spaces	
ETX	03	
LRC	53	

25. Settlement

Transaction sample:

Cashier settle transaction from ECR.

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (notviewable)
TransType	10	Mandatory Value of Transaction Type Settlement (for

			Acquirer Debit/Credit/Flazz Card)
TransAmount	0		Mandatory Add 00 to the sale amount => 000 Give padding => 000000000000
OtherAmount	0		Add 00 to the other amount => 000 Give padding => 000000000000
PAN	(blank)		Optional (for Manual Key In Transaction) Set PAN Number based on Card Information
ExpiryDate	0000		Optional (for Manual Key In Transaction) Set Card Expire Date (YYMM) based on Card Information
CancelReason	(blank)		Set to 00
InvoiceNumber	(blank)		Set to 000000
AuthCode	(blank)		Set to spaces
InstallmentFlag	(blank)		Set to spaces
RedeemFlag	(blank)		Set to spaces
DCCFlag	N		Set DCC Flag to N / No
InstallmentPlan	(blank)		Set to spaces
InstallmentTenor	(blank)		Set to spaces
GenericData	(blank)		Set to spaces
ReffNumber	(blank)		Set to spaces
BCAFiller	(blank)		Set to spaces
ETX	03		
LRC	B		

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	01	In Hex, so convert the value to string (notviewable)
TransType	01	Value of Transaction Type Settlement (for Acquirer Debit/Credit/Flazz Card)
TransAmount	000001574190	Total amount of the transaction
OtherAmount	000000000003	Additional amount
PAN	Spaces	
ExpiryDate	Spaces	
RespCode	00	
RRN	Spaces	
ApprovalCode	Spaces	

Date	20150507	YYYYMMDD
Time	092328	HHMMSS
MerchantId	000005000015999	
TerminalId	L3112009	
OfflineFlag	N	Online transaction
CardholderName	Spaces	
PANCashierCard	Spaces	
InvoiceNumber	Spaces	
BatchNumber	Spaces	
IssuerId	Spaces	
InstallmentFlag	Spaces	
DCCFlag	Spaces	
RewardFlag	Spaces	
InfoAmount	Spaces	
DCCDecimalPlace	Spaces	
DCCCurrencyName	Spaces	
DCCExRate	Spaces	
CouponFlag	Spaces	
Filler	Spaces	
ETX	03	
LRC	29	

26. Payment Sakuku (Trans Type = 26)

Sakuku Payment Transaction

Transaction sample :

Sale with amount 500000 IDR, Other amount 0, generate Reff Number 435712000001

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (not viewable)
TransType	26	Mandatory Value of Transaction Type Sale (payment) using Sakuku
TransAmount	500000	Mandatory Add 00 to the sale amount => 50000000 Give padding => 0000050000000
OtherAmount	0	Add 00 to the other amount => 000 Give padding => 000000000000
PAN	(blank)	
ExpiryDate	(blank)	
CancelReason	(blank)	Set to 00
InvoiceNumber	(blank)	Set to 000000
AuthCode	(blank)	Set to spaces
InstallmentFlag	(blank)	Set to spaces
RedeemFlag	(blank)	Set to spaces
DCCFlag	N	Set DCC Flag to N / No
InstallmentPlan	(blank)	Set to spaces
InstallmentTenor	(blank)	Set to spaces
GenericData	(blank)	Set to spaces
ReffNumber	(blank)	Set to spaces
BCAFiller	(blank)	Set to spaces
ETX	03	
LRC	0D	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	not viewable	Convert the value to hex (must be 01h)
TransType	26	Value of Transaction Type Sale

			(payment) using Debit/Credit/Flazz Card
TransAmount		000050000000	Total amount of the transaction
OtherAmount		000000000000	No additional amount
PAN		Spaces	
ExpiryDate		Spaces	
RespCode		00	Transaction Approved
RRN		435712000001	_ is space character
ApprovalCode		090016	
Date		20150508	YYYYMMDD
Time		143616	HHMMSS
MerchantId	000005111111111		
TerminalId	CX123456		
OfflineFlag		N	Online Transaction
CardholderName		Spaces	
PANCashierCard		Spaces	
InvoiceNumber		100009	
BatchNumber		000027	
IssuerId		Spaces	
InstallmentFlag		N	Non Installment Transaction
DCCFlag		N	Non DCC Transaction
RewardFlag		N	No Redeem Transaction
InfoAmount		000000000000	No other amount, eg: Installment Monthly Amount or DCC Amount (CardHolder Billing Amount)
DCCDecimalPlace		spaces	
DCCCurrencyName		spaces	
DCCExRate		spaces	
CouponFlag		N	Coupon Flag off
Filler		spaces	
ETX		03	
LRC		38	

27. Continue Trans Sakuku (Trans Type = 27)

Sakuku Continue Transaction

Transaction sample :

Continue Transaction with Reff Number 435712000001

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (notviewable)
TransType	27	Mandatory Value of Transaction Type Continue Trans Sakuku
TransAmount	(blank)	Set to spaces
OtherAmount	(blank)	Set to spaces
PAN	(blank)	
ExpiryDate	(blank)	
CancelReason	(blank)	Set to 00
InvoiceNumber	(blank)	Set to 000000
AuthCode	(blank)	Set to spaces
InstallmentFlag	(blank)	Set to spaces
RedeemFlag	(blank)	Set to spaces
DCCFlag	N	Set DCC Flag to N / No
InstallmentPlan	(blank)	Set to spaces
InstallmentTenor	(blank)	Set to spaces
GenericData	(blank)	Set to spaces
ReffNumber	435712000001	
BCAFiller	(blank)	Set to spaces
ETX	03	
LRC	0D	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	not viewable	Convert the value to hex (must be 01h)
TransType	27	Value of Transaction Type Continue Trans Sakuku
TransAmount	000050000000	Total amount of the transaction
OtherAmount	000000000000	No additional amount

Field	Value	
PAN	Spaces	
ExpiryDate	Spaces	
RespCode	00	Transaction Approved
RRN	435712000001	
ApprovalCode	090016	
Date	20150508	YYYYMMDD
Time	143616	HHMMSS
MerchantId	000005111111111	
TerminalId	CX123456	
OfflineFlag	N	Online Transaction
CardholderName	Spaces	
PANCashierCard	Spaces	
InvoiceNumber	100009	
BatchNumber	000027	
IssuerId	Spaces	
InstallmentFlag	N	Non Installment Transaction
DCCFlag	N	Non DCC Transaction
RewardFlag	N	No Redeem Transaction
InfoAmount	000000000000	No other amount, eg: Installment Monthly Amount or DCC Amount (CardHolder Billing Amount)
DCCDecimalPlace	spaces	
DCCCurrencyName	spaces	
DCCExRate	spaces	
CouponFlag	N	Coupon Flag off
Filler	spaces	
ETX	03	
LRC	38	

28. Inquiry Trans Sakuku (Trans Type = 28)

Sakuku Inquiry Transaction

Transaction sample :

Inquiry Transaction with Reff Number 435712000001

Message data in Request Message:

Field	Value	Action
STX	02	
Message Length	0150	
Version	01	In Hex, so convert the value to string (notviewable)
TransType	28	Mandatory Value of Transaction Type Continue Trans

		Sakuku
TransAmount	(blank)	Set to spaces
OtherAmount	(blank)	Set to spaces
PAN	(blank)	
ExpiryDate	(blank)	
CancelReason	(blank)	Set to 00
InvoiceNumber	(blank)	Set to 000000
AuthCode	(blank)	Set to spaces
InstallmentFlag	(blank)	Set to spaces
RedeemFlag	(blank)	Set to spaces
DCCFlag	N	Set DCC Flag to N / No
InstallmentPlan	(blank)	Set to spaces
InstallmentTenor	(blank)	Set to spaces
GenericData	(blank)	Set to spaces
ReffNumber	435712000001	
BCAFiller	(blank)	Set to spaces
ETX	03	
LRC	0D	

Message data in Response Message:

Field	Value	Description
STX	02	
Message Length	0200	
Version	not viewable	Convert the value to hex (must be 01h)
TransType	28	Value of Transaction Type Continue Trans Sakuku
TransAmount	000050000000	Total amount of the transaction
OtherAmount	000000000000	No additional amount
PAN	Spaces	
ExpiryDate	Spaces	
RespCode	00	Transaction Approved
RRN	435712000001	
ApprovalCode	090016	
Date	20150508	YYYYMMDD
Time	143616	HHMMSS
MerchantId	000005111111111	
TerminalId	CX123456	
OfflineFlag	N	Online Transaction
CardholderName	Spaces	
PANCashierCard	Spaces	
InvoiceNumber	100009	
BatchNumber	000027	

IssuerId	Spaces	
InstallmentFlag	N	Non Installment Transaction
DCCFlag	N	Non DCC Transaction
RewardFlag	N	No Redeem Transaction
InfoAmount	000000000000	No other amount, eg: Installment Monthly Amount or DCC Amount (CardHolder Billing Amount)
DCCDecimalPlace	spaces	
DCCCurrencyName	spaces	
DCCExRate	spaces	
CouponFlag	N	Coupon Flag off
Filler	spaces	
ETX	03	
LRC	38	