

Technical Specifications Symphoni ISO 8583 - PLN Nontaglis

Project ID SYM/API-ISO8583-NONTAGLIS/1.0.0							
Project Name	API Transaction (PLN)						
Document Status	Final						



Contents

1	1 System Overview	3
	1.1 Introduction	3
2	2 Module Description	3
	Pada API Symphoni ISO8583 koneksi yang digunakan adalah	Socket TCP/IP. Anda dapat memeriksa koneksi
	dengan melakukan telnet ke server tujuan	
	2.1 TRANSAKSI	4



1 System Overview

1.1 Introduction

Symphoni sebagai standard aplikasi Bank Syariah Mandiri menyediakan jasa pembayaran dan pembelian berbagai produk sebagai berikut :

No	Layanan
1	PLN

2 Module Description

Pada API Symphoni ISO8583 koneksi yang digunakan adalah Socket TCP/IP. Anda dapat memeriksa koneksi dengan melakukan telnet ke server tujuan.

telnet ip host server port server

Kemudian anda dapat mengirimkan text apapun sebagai echo message, untuk menguji koneksi. Trailer yang digunakan sebagai end of message adalah \n atau char(10).

2.1TRANSAKSI



Contoh Program :

```
import java.io.IOException;
import java.io.InputStreamReader;
import java.io.PrintWriter;
import java.net.Socket;
import java.net.UnknownHostException;
public class TestSocket {
   private final static String IP SERVER = "xxx.xxx.xxx.xxx";
   private final static Integer PORT SERVER = xxxx;
   public static void main(String[] args) throws UnknownHostException, IOException {
        Socket clientSocket = new Socket(IP SERVER, PORT SERVER);
        String networkRequest =
"210040300041808100000599504000010581267201405051520406021074510017074510206000000000000979031000000022111
23652100000000000000";
        PrintWriter outgoing = new PrintWriter(clientSocket.getOutputStream());
        InputStreamReader incoming = new InputStreamReader(clientSocket.getInputStream());
        String trailer = new String(new char[] {10});
        //kirim
        outgoing.print(networkRequest+trailer);
```



```
outgoing.flush();
int data;
StringBuffer sb = new StringBuffer();
while((data = incoming.read()) != 10 ) {
    sb.append((char) data);
}
System.out.println("Rec. Msg ["+sb.toString()+"] len ["+sb.toString().length()+"]");
outgoing.close();
incoming.close();
clientSocket.close();
}
```

b. Transaksi

PLN NONTAGLIS

1. Inquiry Request Message



Message Type Identifier : 2100

Sender : MitraSymphoni

Tujuan : Memeriksa tagihan pelanggan

Field	Name	Sub Field	Type	Len	Format	Description	ISO8583:20	003
							Standard	Data Element
1	MTI		n	4		Message Type Indicator 2100= Inquiry request	YES	
2	BitMap		h	16		Primary Bitmap 4030004180810000 = use field 2, 11, 12, 26, 32, 33, 41, 48 of ISO8583:2003 Data Element		1
3	Length of PAN		n	2	Zero left padding	Length of PAN 05	YES	2



Primary Account	n	5		00504/1/ 1 D 1 1		
Number (PAN)		3		99504 (Kode Produk Nontaglis)	YES	2
Switcher Trace Audit Number	n	12	Zero left padding	Transaksi ID mitra Symphoni	YES	11
Date & Time, Local Transaction	n	14	CCYYMMDDhh mmss	Date & Time of local transaction	YES	12
Merchant Category Code	n	4		6010=Teller 6011=ATM 6012=POS 6013=AutoDebit/gir alisasi 6014=Internet 6015=Kiosk 6016=Phone Banking/Call Center 6017=Mobile Banking 6018=EDC	YES	26
Length of Bank Code	n	2	Zero left-padding	Length of Bank Code 07		32
	Switcher Trace Audit Number Date & Time, Local Transaction Merchant Category Code Length of Bank	Switcher Trace Audit Number Date & Time, Local Transaction Merchant Category Code Length of Bank n	Switcher Trace Audit Number Date & Time, Local Transaction Merchant Category Code Length of Bank n 12 n 14 A 4	Switcher Trace Audit Number Date & Time, Local Transaction Merchant Category Code Length of Bank n 2 Zero Left padding Zero left padding A CCYYMMDDhh mmss	Switcher Trace Audit Number n 12 Zero left padding Symphoni Date & Time, Local Transaction Merchant Category Code n 4 6010=Teller 6011=ATM 6012=POS 6013=AutoDebit/gir alisasi 6014=Internet 6015=Kiosk 6016=Phone Banking/Call Center 6017=Mobile Banking 6018=EDC Length of Bank n 2 Zero Length of Bank Center 67	Switcher Trace Audit Number n 12 Zero left padding Symphoni Date & Time, Local Transaction N 4 CCYYMMDDhh mmss Merchant Category Code n 4 6010=Teller 6011=ATM 6012=POS 6013=AutoDebit/gir alisasi 6014=Internet 6015=Kiosk 6016=Phone Banking/Call Center 6017=Mobile Banking 6018=EDC Length of Bank n 2 Zero Length of Bank 6016=Phone Center 6017=Mobile Banking 6018=EDC



							 syariah man 	diri payment online
9	Bank Code		an	7	Zero left-padding	Bank Code (defined by Bank Indonesia)	YES	32
10	Length of partner central ID		n	2	Zero left-padding	Length of partner central ID 07		33
11	Partner Central		n	7	Zero left-padding	Customer ID Mitra Symphoni	YES	33
12	Terminal ID		ans	16	Zero left-padding	Kode loket / terminal mitra	YES	41
13	Length of Additional Private Data		n	3	Zero left-padding	Length of additional Private data (sub field of data element 48) for MTI=2100 Sum of sub-fields length 031	YES	48
14	Additional Private Data							
		Switcher ID	an	7	Zero left-padding	Switcher Identification Code	Custom (sub data	48



					(Provided by PLN) 0000000	element 48:1)	diri payment online
	Registra tion Number	n	13	Space left-padding	IDPEL 000000000000	Custom (sub data element 48:2)	48
	Transact ion Code	n	3	zero left-padding	Transaction Code See Transaction Code List 000	Custom (sub data element 48:3)	48

2. Inquiry Response Message

Message Type Identifier : 2110

Sender : MitraSymphoni

Tujuan : Memeriksa tagihan pelanggan

Field	Name	Sub Field	Type	Len	Format	Description	ISO8583:2003	
							Standard	Data Element



						– Syarian mar	ndiri payment online
MTI		n	4		Message Type Indicator	YES	
					2110= Inquiry response		
BitMap		h	16		Primary Bitmap		1
					4030004180810000 = use field 2, 11, 12, 26, 32, 33,		
					41, 48 of ISO8583:2003 Data Element		
Length of PAN		n	2	Zero left padding	Length of PAN 05	YES	2
Primary Account Number (PAN)		n	5		99504 (Kode Produk Nontaglis)	YES	2
Transaction Amount		n	16			YES	4
	ISO Currency Code	n	3		ISO Currency Code Indonesian Rupiah=360	YES	4
	Length of PAN Primary Account Number (PAN) Transaction	BitMap Length of PAN Primary Account Number (PAN) Transaction Amount ISO Currency	BitMap h Length of PAN n Primary Account Number (PAN) Transaction Amount ISO Currency	BitMap h 16 Length of PAN n 2 Primary Account Number (PAN) n 5 Transaction n 16 ISO currency n 3	BitMap h 16 Length of PAN n 2 Zero left padding Primary Account Number (PAN) n 5 Transaction n 16 Amount ISO currency n 3	BitMap	MTI n 4 Message Type Indicator YES BitMap h 16 Primary Bitmap 4030004180810000 = use field 2, 11, 12, 26, 32, 33, 41, 48 of ISO8583:2003 Data Element Length of PAN n 2 Zero left padding Length of PAN 05 YES Primary Account Number (PAN) n 5 99504 (Kode Produk Nontaglis) YES Transaction Amount n 16 YES ISO Currency n 3 ISO Currency Code Indonesian I



							 syariah mandiri payment onli 	
		Currency Minor Unit	n	1		Number of decimal value	YES	4
						0=no decimal value n=n-last digits of value amount are decimal		
						values		
						0		
		Value	n	12	Zero left padding	Transaction Amount (Total		
		Amount				Transaction Amount from DE48		
						without decimal values)		
						00000000000		
6	Switcher Trace Audit Number		n	12	Zero left padding	Identical to same field in inquiry	YES	11
						request message		



						oxdot $$	
7	Date & Time, Local Transaction	n	14	CCYYMMDDhh mmss	Identical to same field in inquiry request message	YES	12
8	Merchant Category Code	n	4		Identical to same field in inquiry request message	YES	26
9	Length of Bank Code	n	2	Zero left-padding	Identical to same field in inquiry request message		32
10	Bank Code	an	7	Zero left-padding	Bank Code (defined by Bank Indonesia)	YES	32
11	Length of partner central ID	n	2	Zero left-padding	Length of partner central ID 07		33
12	Partner Central	n	7	Zero left-padding	Customer ID Mitra Symphoni	YES	33



						 syariah man 	diri payment online
	ID						
13	Response Code	ı	n	4	0000 = successful	YES	39
	(RC)				0005 = ERROR - Other		
					0011 = ERROR - Need to sign-on		
					0015 = ERROR - Unknown		
					Registration Number		
					0016 = ERROR - PRR Subscriber		
					0017 = ERROR - Subscriber still		
					have bills to pay		
					0030 = ERROR - Invalid message		
					0031 = ERROR - Unregistered Bank Code		
					Code		
					0032 = ERROR -		

Sym	O	hon	
svariah mandiri	pav	ment online	_

					Unregistered Switching 0033 = ERROR - Unregistered Product 0034 = ERROR - Unregistered Terminal 0045 = ERROR - Invalid admin charges 0048 = ERROR - Registration is expired 0068 = ERROR - Timeout in Switching 0088 = ERROR - Bills already paid	- syariah mai	ndiri payment online
					0090 = ERROR - Cut-off is in progress		
14	Terminal ID	ans	16	Zero	Kode loket /	YES	41



							 syariah man 	diri payment online
					left-padding	terminal mitra		
15	Length of Additional Private Data		n	3	Zero left-padding	Length of additional private data	YES	48
	Private Data					(sub field of data element 48) for		
						MTI=2110		
						Sum of sub-fields length		
						039 if RC != 0000		
						221 if RC = 0000		
15	Additional Private Data							
		Switcher ID	an	7	Zero left-padding	Identical to same field in inquiry request message	Custom (sub data element 48:1)	48
		Registra tion Number	n	13	Space right-padding	Identical to same field in inquiry request message	Custom (sub data element 48:2)	48



			syariah mandiri payment online			
Transact ion Code	n	3	zero left-padding	Transaction Code RESERVED Currently always set to 000	Custom (sub data element 48:3)	48
Transact ion Name	ans	25	Space right padding	Transaction name	Custom (sub data element 48:4)	48
Registratio n date	an	8	CCYYMMDD	Registration Date in CM@X Available if RC in {0000, 0048}	Custom (sub data element 48:5)	48
Expiration Date	an	8	CCYYMMDD	Nama Pelanggan Available if RC=0000	Custom (sub data element 48:6)	48
Subscriber ID	n	12	zero left-padding	Available if RC=0000	Custom (sub data element	48



					syariah mand	diri payment onlir
					48:7)	
Subscriber Name	an	25	Space right- padding	Available if RC=0000	Custom (sub data element 48:8)	48
PLN Reff Number	an	32		Available if RC=0000	Custom (sub data element 48:9)	48
Sw reff	an	32	Zero left-padding	Available if RC=0000	Custom (sub data element 48:10)	48
Service Unit	an	5	Zero left-padding	Available if RC=0000	Custom (sub data element 48:11)	48
Service Unit Address	an	35	space right-	Available if RC=0000	Custom (sub data element 48:12)	48
Service Unit Phone	ns	15	space right-	Available if RC=0000	Custom (sub data	48



			syariah mandiri payment online			
			padding		element 48:13)	
Total Transactio n Amount Minor Unit	n	1	zero left-padding	Total Transaction Amount Minor Unit Available if RC=0000 Currently always set to 2	Custom (sub data element 48:14)	48
Total Transactio n Amount	n	17	Zero left-padding	Total Transaction Amount TA = RPTAG + AC Available if RC=0000 000000000000000000000000000000	Custom (sub data element 48:15)	48
PLN-BILL Minor Unit	n	1		PLN-Bill Minor Unit Available if RC=0000	Custom (sub data element 48:16)	48



			Currently always								
						set to 2					
		PLN-BILL Value	n	10	Zero left-padding	To be used for Jasa Inkaso Calculation	Custom (sub data element	48			
		(RPTAG)				Available if RC=0000 & BS in [14]	48:17)				
		Administra tion	n	1	Zero left-padding	Administration Charge Minor Unit	Custom (sub data	48			
		Charge Minor Unit				Available if RC=0000 Currently	element 48:19)				
						always set to 2					
		Administra tion	n	10	Zero left-padding	Administration Charge Available if	Custom (sub data element	48			
		Charge (AC)				RC=0000 0000000000	48:20)				
17	Length of Additional		n	3	zero left-padding	Length of additional private data #2	YES	62			
								L			



	Private Data #2					(sub field of data element 62) for MTI=2110 Sum of sub-fields length Available if RC=0000	— syariah man	diri payment online
18	Additional Private Data #2							62
		Bill Componen t Type	n	2	zero left-padding	Bill Component Type Always set to 01	Custom (sub data element 62:1)	62
		Bill Componen t Minor Unit	n	1	zero left-padding	Bill Component Minor Unit Always set to 2	Custom (sub data element 62:2)	62
		Bill Componen t Value	n	17	zero left-padding	Bill Component Value Amount	Custom (sub data element	62



Amount		000000000000000000000000000000000000000	airi payment online

3. Payment Request Message

Message Type Identifier : 2200

Sender : MitraSymphoni

Tujuan : Pembayaran Tagihan

Field	Name	Sub Field	Type	Len	Format	Description	ISO8583:2	003
							Standard	Data Element
1	MTI		n	4		Message Type Indicator	YES	
						2200= payment request		
2	BitMap		h	16		Primary Bitmap		1
						5030004180810004 = use		
						field 2, 4,11, 12, 26, 32, 33,		



						41, 48, 62 of	- syariah man	diri payment online
						ISO8583:2003		
						Data Element		
3	Length of PAN		n	2	Zero left padding	Length of PAN 05	YES	2
4	Primary Account Number (PAN)		n	5		99504 (Kode Produk Nontaglis)	YES	2
5	Transaction Amount		n	16			YES	4
		ISO Currency Code	n	3		ISO Currency Code Indonesian Rupiah=360	YES	4
		Currency Minor Unit	n	1		Number of decimal value	YES	4
						0=no decimal value		
						n=n-last digits of value amount are decimal		
						values		
						0		
		Value	n	12	Zero left	Transaction Amount		



					/	– syarian man	diri payment online
	Amount			padding	(Total		
	Amount				Transaction Amount from DE48		
					without decimal values)		
					00000000000		
Switcher Trace Audit Number		n	12	Zero left padding	Identical to same field in inquiry	YES	11
					request message		
Date & Time, Local Transaction		n	14	CCYYMMDDhh mmss	Identical to same field in inquiry	YES	12
n an backer					request message		
Merchant Category Code		n	4		Identical to same field in inquiry	YES	26
					request message		
	Date & Time, Local Transaction	Audit Number Date & Time, Local Transaction Merchant	Switcher Trace n Audit Number n Date & Time, Local Transaction n	Switcher Trace Audit Number Date & Time, Local Transaction Merchant n 4	Switcher Trace Audit Number n 12 Zero left padding Date & Time, Local Transaction n 14 CCYYMMDDhh mmss Merchant n 4	Amount Transaction Amount from DE48 without decimal values) 000000000000 Switcher Trace Audit Number In 12 Zero left padding Identical to same field in inquiry request message Date & Time, Local Transaction In 14 CCYYMMDDhh Identical to same field in inquiry request message Merchant Category Code Merchant Category Code Identical to same field in inquiry	Amount Amount Amount Amount Amount Amount Amount Amount Transaction Amount from DE48 without decimal values) 00000000000 Switcher Trace Audit Number Audit Num



						- syariah ma	ndiri payment online
9	Length of Bank Code	n	2	Zero left-padding	Identical to same field in inquiry request message		32
10	Bank Code	an	7	Zero left-padding	Bank Code (defined by Bank Indonesia)	YES	32
11	Length of partner central ID	n	2	Zero left-padding	Length of partner central ID 07		33
12	Partner Central ID	n	7	Zero left-padding	Customer ID Mitra Symphoni	YES	33
13	Terminal ID	ans	16	Zero left-padding	Kode loket / terminal mitra	YES	41
14	Length of Additional Private Data	n	3	Zero left-padding	Length of additional private data (sub field of data element 48) for MTI=2110 Sum of sub-fields length	YES	48



							– syariah man	diri payment online
						039 if RC != 0000		
						221 if RC = 0000		
15	Additional Private Data							
		Switcher ID	an	7	Zero left-padding	Identical to same field in inquiry request message	Custom (sub data element 48:1)	48
		Registra tion Number	n	13	Space right-padding	Identical to same field in inquiry request message	Custom (sub data element 48:2)	48
		Transact ion Code	n	3	zero left-padding	Transaction Code RESERVED Currently always set to 000	Custom (sub data element 48:3)	48
		Transact ion Name	ans	25	Space right padding	Transaction name	Custom (sub data element 48:4)	48
		Registratio n date	an	8	CCYYMMDD	Registration Date in CM@X	Custom (sub data	48



syariah mandiri pay							
				Available if RC in {0000, 0048}	element 48:5)		
Expiration Date	an	8	CCYYMMDD	Nama Pelanggan Available if RC=0000	Custom (sub data element 48:6)	48	
Subscriber ID	n	12	zero left-padding	Available if RC=0000	Custom (sub data element 48:7)	48	
Subscriber Name	an	25	Space right- padding	Available if RC=0000	Custom (sub data element 48:8)	48	
PLN Reff Number	an	32		Available if RC=0000	Custom (sub data element 48:9)	48	
Sw reff	an	32	Zero left-padding	Available if RC=0000	Custom (sub data element 48:10)	48	



					syariah man	diri payment online
Service Unit	an	5	Zero left-padding	Available if RC=0000	Custom (sub data element 48:11)	48
Service Unit Address	an	35	space right-	Available if RC=0000	Custom (sub data element 48:12)	48
Service Unit Phone	ns	15	space right-	Available if RC=0000	Custom (sub data element 48:13)	48
Total Transactio n Amount Minor Unit	n	1	zero left-padding	Total Transaction Amount Minor Unit Available if RC=0000 Currently always set to 2	Custom (sub data element 48:14)	48
Total Transactio n	n	17	Zero left-padding	Total Transaction Amount TA = RPTAG + AC	Custom (sub data element 48:15)	48



Amount				Available if RC=0000 0000000000000000000000000000000	– syariah man	diri payment online
PLN-BILL Minor Unit	n	1		PLN-Bill Minor Unit Available if	Custom (sub data element	48
				RC=0000 Currently always set to 2	48:16)	
PLN-BILL Value (RPTAG)	n	10	Zero left-padding	To be used for Jasa Inkaso Calculation Available if RC=0000 & BS in [14]	Custom (sub data element 48:17)	48
Administra tion Charge Minor Unit	n	1	Zero left-padding	Administration Charge Minor Unit Available if RC=0000 Currently	Custom (sub data element 48:19)	48
				always set to 2		



							syariah man	diri payment onlin
		Administra tion Charge (AC)	n	10	Zero left-padding	Administration Charge Available if RC=0000 0000000000	Custom (sub data element 48:20)	48
17	Length of Additional Private Data #2		n	3	zero left-padding	Length of additional private data #2 (sub field of data element 62) for	YES	62
						MTI=2110 Sum of sub-fields length		
						Available if RC=0000		
18	Additional Private Data #2							62
		Bill	n	2	zero	Bill Component	Custom	62



					 syariah man 	diri payment online
Componen			left-padding	Type		
t Type				Always set to 01	(sub data element 62:1)	
Bill Componen t Minor Unit	n	1	zero left-padding	Bill Component Minor Unit Always set to 2	Custom (sub data element 62:2)	62
Bill Componen t Value Amount	n	17	zero left-padding	Bill Component Value Amount 000000000000000000000000000000000000	Custom (sub data element 62:3)	62
	Bill Componen t Minor Unit Bill Componen t Value	Bill n Componen t Minor Unit Bill n Componen t Value	Bill n 1 Componen t Minor Unit Bill n 17 Componen t Value	Bill n 1 zero left-padding t Minor Unit Bill n 17 zero left-padding t Value	Bill n 1 zero Bill Component Minor Unit Bill n Always set to 01 Bill component Minor Unit Always set to 2 Bill component Minor Unit Bill n 17 zero Bill Component Value Amount Value Amount O00000000000000000000000000000000000	Componen t Type Ieft-padding

4. Payment Response Message

Message Type Identifier : 2210

Sender : MitraSymphoni

Tujuan : Pembayaran tagihan pelanggan

Field	Name	Sub Field	Type	Len	Format	Description	ISO8583:2	003
							Standard	Data Element



							 syariah mar 	ndiri payment online
1	MTI		n	4		Message Type Indicator	YES	
						2210= Payment response		
2	BitMap		h	16		Primary Bitmap		1
						5032004182810006 = use field 2, 4, 11, 12, 15, 26, 32, 33, 39, 41, 48, 62, 63 of ISO8583:2003 Data Element		
3	Length of PAN		n	2	Zero left padding	Length of PAN 05	YES	2
4	Primary Account Number (PAN)		n	5		99504 (Kode Produk Nontaglis)	YES	2
5	Transaction Amount		n	16			YES	4
		ISO Currency Code	n	3		ISO Currency Code Indonesian Rupiah=360	YES	4



							- syarian ma	ndiri payment online
		Currency Minor Unit	n	1		Number of decimal value	YES	4
						0=no decimal value n=n-last digits of value amount are decimal		
						values		
						0		
		Value	n	12	Zero left padding	Transaction Amount (Total		
		Amount				Transaction Amount from DE48		
						without decimal values)		
						00000000000		
6	Switcher Trace Audit Number		n	12	Zero left padding	Identical to same field in inquiry	YES	11
						request message		



						— Syanian man	am payment online
7	Date & Time, Local Transaction	n	14	CCYYMMDDhh mmss	Identical to same field in inquiry request message	YES	12
8	Date Settlement	n	8	CCYYMMDD	Date of settlement (refer to PLN cut- off for reconciliation purpose) For instance, if cut-off at 16:00:00 (PLN Gateway Time), then all payment start from 16:00:01 must be reconciled as next-day transaction		
9	Merchant Category Code	n	4		Identical to same field in inquiry request message	YES	26



						 syariah man 	diri payment online
10	Length of Bank Code	n	2	Zero left-padding	Identical to same field in inquiry		32
					request message		
11	Bank Code	an	7	Zero left-padding	Bank Code (defined by Bank Indonesia)	YES	32
12	Length of partner central ID	n	2	Zero left-padding	Length of partner central ID 07		33
13	Partner Central ID	n	7	Zero left-padding	Customer ID Mitra Symphoni	YES	33
14	Response Code (RC)	n	4		0000 = successful	YES	39
					0005 = ERROR - Other		
					0011 = ERROR - Need to sign-on		
					0015 = ERROR - Unknown Registration Number		



			 syariah mandiri payment online
		0016 = ERROR - PRR Subscriber	
		0017 = ERROR - Subscriber still have bills to pay	
		0030 = ERROR - Invalid message	
		0031 = ERROR - Unregistered Bank Code	
		0032 = ERROR - Unregistered Switching	
		0033 = ERROR - Unregistered Product	
		0034 = ERROR - Unregistered Terminal	
		0045 = ERROR - Invalid admin	
		charges 0048 = ERROR -	

Sym	phoni
svariah mandiri	i payment online

						 syariah mandiri payment online 	
					Registration is expired		
					0068 = ERROR - Timeout in Switching		
					0088 = ERROR - Bills already paid		
					0090 = ERROR - Cut-off is in progress		
15	Terminal ID	ans	16	Zero left-padding	Kode loket / terminal mitra	YES	41
16	Length of Additional	n	3	Zero left-padding	Length of additional private data	YES	48
	Private Data				(sub field of data element 48) for		
					MTI=2110		
					Sum of sub-fields length		



							syariah man	diri payment online
						039 if RC != 0000		
						221 if RC = 0000		
17	Additional Private Data							
		Switcher ID	an	7	Zero left-padding	Identical to same field in inquiry request message	Custom (sub data element 48:1)	48
		Registra tion Number	n	13	Space right-padding	Identical to same field in inquiry request message	Custom (sub data element 48:2)	48
		Transact ion Code	n	3	zero left-padding	Transaction Code RESERVED Currently always set to 000	Custom (sub data element 48:3)	48
		Transact ion Name	ans	25	Space right padding	Transaction name	Custom (sub data element 48:4)	48
		Registratio	an	8	CCYYMMDD	Registration Date in	Custom	48



					syariah man	diri payment online
n date				CM@X Available if RC in {0000, 0048}	(sub data element 48:5)	
Expiration Date	an	8	CCYYMMDD	Nama Pelanggan Available if RC=0000	Custom (sub data element 48:6)	48
Subscriber ID	n	12	zero left-padding	Available if RC=0000	Custom (sub data element 48:7)	48
Subscriber Name	an	25	Space right- padding	Available if RC=0000	Custom (sub data element 48:8)	48
PLN Reff Number	an	32		Available if RC=0000	Custom (sub data element 48:9)	48
Sw reff	an	32	Zero left-padding	Available if RC=0000	Custom (sub data element	48



					syariah man	diri payment online
					48:10)	
Service Unit	an	5	Zero left-padding	Available if RC=0000	Custom (sub data element 48:11)	48
Service Unit Address	an	35	space right-	Available if RC=0000	Custom (sub data element 48:12)	48
Service Unit Phone	ns	15	space right-	Available if RC=0000	Custom (sub data element 48:13)	48
Total Transactio n Amount Minor Unit	n	1	zero left-padding	Total Transaction Amount Minor Unit Available if RC=0000 Currently always set to 2	Custom (sub data element 48:14)	48
Total Transactio n	n	17	Zero left-padding	Total Transaction Amount TA =	Custom (sub data element	48



					 syariah man 	diri payment online
Amount				RPTAG + AC Available if RC=0000	48:15)	
				000000000000000000000000000000000000000		
PLN-BILL Minor Unit	n	1		PLN-Bill Minor Unit Available if	Custom (sub data element	48
				RC=0000	48:16)	
				Currently always set to 2		
PLN-BILL Value	n	10	Zero left-padding	To be used for Jasa Inkaso Calculation	Custom (sub data element	48
(RPTAG)				Available if RC=0000 & BS in [14]	48:17)	
Administra tion	n	1	Zero left-padding	Administration Charge Minor Unit	Custom (sub data element	48
Charge Minor Unit				Available if RC=0000 Currently	48:19)	
				always set to 2		



							syariah man	diri payment onlin
		Administra tion Charge (AC)	n	10	Zero left-padding	Administration Charge Available if RC=0000 0000000000	Custom (sub data element 48:20)	48
18	Length of Additional Private Data #2		n	3	zero left-padding	Length of additional private data #2 (sub field of data element 62) for MTI=2110 Sum of sub-fields length Available if	YES	62
19	Additional Private Data #2					RC=0000 021		62
		Bill	n	2	zero	Bill Component	Custom	62



							 syariah man 	diri payment online
		Componen t Type			left-padding	Type Always set to 01	(sub data element 62:1)	
		Bill Componen t Minor Unit	n	1	zero left-padding	Bill Component Minor Unit Always set to 2	Custom (sub data element 62:2)	62
		Bill Componen t Value Amount	n	17	zero left-padding	Bill Component Value Amount 000000000000000000000000000000000000	Custom (sub data element 62:3)	62
20	Length of Info Text		n	3		Length of Info Text		63
21	Info Text		ans	999		Custom Message from PLN e.g. 63 "Hemat Listrik & Ayo Bebas		63
						Narkoba"		



5. Reversal Request Message

Message Type Identifier : 2400 / 2401 Sender : MitraSymphoni

Tujuan : Pembatalan pembayaran tagihan

Field	Name	Sub Field	Type	Len	Format	Description	ISO8583:20	003
							Standard	Data Element
1	MTI		n	4		Message Type Indicator 2400/2401= reversal request	YES	
2	BitMap		h	16		Primary Bitmap 5030004180810004 = use field 2, 4,11, 12, 26, 32, 33, 41, 48, 62 of ISO8583:2003 Data Element		1
3	Length of PAN		n	2	Zero left padding	Length of PAN 05	YES	2



							– syarian man	diri payment online
4	Primary Account Number (PAN)		n	5		99504 (Kode Produk Nontaglis)	YES	2
5	Transaction Amount		n	16			YES	4
		ISO Currency Code	n	3		ISO Currency Code Indonesian Rupiah=360	YES	4
		Currency Minor Unit	n	1		Number of decimal value	YES	4
						0=no decimal value n=n-last digits of value amount are		
						decimal		
						values		
						0		
		Value	n	12	Zero left padding	Transaction Amount (Total		
		Amount				Transaction Amount from DE48		
						without decimal values)		



						$oxedsymbol{ op}$ syariah man	idiri payment online
					00000000000		
6	Switcher Trace Audit Number	n	12	Zero left padding	Identical to same field in inquiry request message	YES	11
7	Date & Time, Local Transaction	n	14	CCYYMMDDhh mmss	Identical to same field in inquiry request message	YES	12
8	Merchant Category Code	n	4		Identical to same field in inquiry request message	YES	26
9	Length of Bank Code	n	2	Zero left-padding	Identical to same field in inquiry request message		32



							 syariah man 	diri payment online
10	Bank Code		an	7	Zero left-padding	Bank Code (defined by Bank Indonesia)	YES	32
11	Length of partner central ID		n	2	Zero left-padding	Length of partner central ID 07		33
12	Partner Central		n	7	Zero left-padding	Customer ID Mitra Symphoni	YES	33
13	Terminal ID		ans	16	Zero left-padding	Kode loket / terminal mitra	YES	41
14	Length of Additional Private Data		n	3	Zero left-padding	Length of additional private data (sub field of data element 48) for MTI=2110 Sum of sub-fields length 039 if RC != 0000 221 if RC = 0000	YES	48
15	Additional Private Data							
		Switcher ID	an	7	Zero left-padding	Identical to same field in inquiry	Custom (sub data	48



					syariah man	diri payment online
				request message	element 48:1)	
Registra tion Number	n	13	Space right-padding	Identical to same field in inquiry request message	Custom (sub data element 48:2)	48
Transact ion Code	n	3	zero left-padding	Transaction Code RESERVED Currently always set to 000	Custom (sub data element 48:3)	48
Transact ion Name	ans	25	Space right padding	Transaction name	Custom (sub data element 48:4)	48
Registratio n date	an	8	CCYYMMDD	Registration Date in CM@X Available if RC in {0000, 0048}	Custom (sub data element 48:5)	48
Expiration Date	an	8	CCYYMMDD	Nama Pelanggan Available if	Custom (sub data	48



				RC=0000	— syariah man	diri payment online
					element 48:6)	
Subscriber ID	n	12	zero left-padding	Available if RC=0000	Custom (sub data element 48:7)	48
Subscriber Name	an	25	Space right- padding	Available if RC=0000	Custom (sub data element 48:8)	48
PLN Reff Number	an	32		Available if RC=0000	Custom (sub data element 48:9)	48
Sw reff	an	32	Zero left-padding	Available if RC=0000	Custom (sub data element 48:10)	48
Service Unit	an	5	Zero left-padding	Available if RC=0000	Custom (sub data element 48:11)	48



ce an	35	space right-	Available if RC=0000		
		padding	NC-0000	Custom (sub data element 48:12)	48
ce ns Phone	15	space right-	Available if RC=0000	Custom (sub data element 48:13)	48
n	1	zero left-padding	Total Transaction Amount Minor Unit	Custom (sub data element	48
ınt Unit			Available if RC=0000	48:14)	
			Currently always set to 2		
n	17	Zero left-padding	Total Transaction Amount TA =	Custom (sub data element	48
int			RPTAG + AC Available if RC=0000	48:15)	
			000000000000000000000000000000000000000		
				RC=0000 0000000000000000	RC=0000 000000000000000



					 syariah man 	diri payment online
PLN-BILL Minor Unit	n	1		PLN-Bill Minor Unit Available if	Custom (sub data element	48
				RC=0000 Currently always set to 2	48:16)	
PLN-BILL Value	n	10	Zero left-padding	To be used for Jasa Inkaso Calculation	Custom (sub data element	48
(RPTAG)				Available if RC=0000 & BS in [14]	48:17)	
Administra tion Charge Minor Unit	n	1	Zero left-padding	Administration Charge Minor Unit Available if RC=0000 Currently	Custom (sub data element 48:19)	48
				always set to 2		
Administra tion	n	10	Zero left-padding	Administration Charge Available if	Custom (sub data element	48
Charge				RC=0000	48:20)	



		(AC)				000000000	— syariah man	diri payment online
17	Length of Additional		n	3	zero left-padding	Length of additional private data #2	YES	62
	Private Data #2					(sub field of data element 62) for		
						MTI=2110		
						Sum of sub-fields length		
						Available if RC=0000		
						021		
18	Additional Private Data #2							62
		Bill Componen t Type	n	2	zero left-padding	Bill Component Type Always set to 01	Custom (sub data element 62:1)	62
		Bill Componen	n	1	zero left-padding	Bill Component Minor Unit	Custom (sub data	62



t Minor					– syarian man	diri payment online
Unit				Always set to 2	element 62:2)	
Bill r Componen t Value	n	17	zero left-padding	Bill Component Value Amount 000000000000000000000000000000000000	Custom (sub data element 62:3)	62

6. Reversal Response Message

Message Type Identifier : 2410 / 2411 Sender : MitraSymphoni

Tujuan : Pembatalan pembayaran tagihan pelanggan

Field	Name	Sub Field	Type	Len	Format	Description	ISO8583:2003	
							Standard	Data Element
1	MTI		n	4		Message Type Indicator 2410 / 2411= Payment response	YES	
2	BitMap		h	16		Primary Bitmap		1



							syariah man	diri payment online
						5032004182810006 = use field 2, 4, 11, 12, 15, 26, 32, 33, 39, 41, 48, 62, 63 of ISO8583:2003 Data Element		
3	Length of PAN		n	2	Zero left padding	Length of PAN 05	YES	2
4	Primary Account Number (PAN)		n	5		99504 (Kode Produk Nontaglis)	YES	2
5	Transaction Amount		n	16			YES	4
		ISO Currency Code	n	3		ISO Currency Code Indonesian Rupiah=360	YES	4
		Currency Minor Unit	n	1		Number of decimal value 0=no decimal value n=n-last digits of value amount are decimal values	YES	4



							 syariah man 	diri payment online
		Value	n	12	Zero left padding	Transaction Amount (Total		
		Amount				Transaction Amount from DE48		
						without decimal values)		
						00000000000		
6	Switcher Trace Audit Number		n	12	Zero left padding	Identical to same field in inquiry	YES	11
						request message		
7	Date & Time, Local Transaction		n	14	CCYYMMDDhh mmss	Identical to same field in inquiry	YES	12
						request message		
8	Date Settlement		n	8	CCYYMMDD	Date of settlement (refer to PLN		
						cut- off for reconciliation purpose)		



					For instance, if cut-off at 16:00:00 (PLN Gateway Time), then all payment start from 16:00:01 must be reconciled as next-day	– syarıan ma	ndiri payment online
					transaction		
9	Merchant Category Code	n	4		Identical to same field in inquiry	YES	26
					request message		
10	Length of Bank Code	n	2	Zero left-padding	Identical to same field in inquiry		32
					request message		
11	Bank Code	an	7	Zero left-padding	Bank Code (defined by Bank Indonesia)	YES	32
12	Length of partner central ID	n	2	Zero left-padding	Length of partner central ID 07		33



						 syariah mai 	ndiri payment online
13	Partner Central ID	n	7	Zero left-padding	Customer ID Mitra Symphoni	YES	33
14	Response Code (RC)	n	4		0000 = successful	YES	39
					0005 = ERROR - Other		
					0011 = ERROR - Need to sign-on		
					0015 = ERROR - Unknown		
					Registration Number		
					0016 = ERROR - PRR Subscriber		
					0017 = ERROR - Subscriber still		
					have bills to pay		
					0030 = ERROR - Invalid message		
					0031 = ERROR - Unregistered Bank		
					Code		

y ym	nh	n	ĺ
<u> </u>	\cup 1		

		 syariah mandiri payment online
	0032 = ERROR - Unregistered Switching	
	0033 = ERROR - Unregistered	
	Product	
	0034 = ERROR - Unregistered	
	Terminal	
	0045 = ERROR - Invalid admin	
	charges	
	0048 = ERROR - Registration is expired	
	0068 = ERROR - Timeout in	
	Switching	
	0088 = ERROR - Bills already paid	
	0090 = ERROR - Cut-off is in	
	progress	



			syariah mandir					
15	Terminal ID		ans	16	Zero left-padding	Kode loket / terminal mitra	YES	41
16	Length of Additional		n	3	Zero left-padding	Length of additional private data	YES	48
	Private Data					(sub field of data element 48) for		
						MTI=2110		
						Sum of sub-fields length		
						039 if RC != 0000		
						221 if RC = 0000		
17	Additional Private Data							
		Switcher ID	an	7	Zero left-padding	Identical to same field in inquiry request message	Custom (sub data element 48:1)	48
		Registra tion Number	n	13	Space right-padding	Identical to same field in inquiry request message	Custom (sub data element 48:2)	48



					syariah mandiri payment on			
Transact ion Code	n	3	zero left-padding	Transaction Code RESERVED	Custom (sub data	48		
				Currently always set to 000	element 48:3)			
Transact ion Name	ans	25	Space right padding	Transaction name	Custom (sub data element 48:4)	48		
Registratio n date	an	8	CCYYMMDD	Registration Date in CM@X Available if RC in {0000, 0048}	Custom (sub data element 48:5)	48		
Expiration Date	an	8	CCYYMMDD	Nama Pelanggan Available if RC=0000	Custom (sub data element 48:6)	48		
Subscriber ID	n	12	zero left-padding	Available if RC=0000	Custom (sub data element	48		



					syariah mand	diri payment onl
					48:7)	
Subscriber Name	an	25	Space right- padding	Available if RC=0000	Custom (sub data element 48:8)	48
PLN Reff Number	an	32		Available if RC=0000	Custom (sub data element 48:9)	48
Sw reff	an	32	Zero left-padding	Available if RC=0000	Custom (sub data element 48:10)	48
Service Unit	an	5	Zero left-padding	Available if RC=0000	Custom (sub data element 48:11)	48
Service Unit Address	an	35	space right-	Available if RC=0000	Custom (sub data element 48:12)	48
Service Unit Phone	ns	15	space right-	Available if RC=0000	Custom (sub data	48



					syariah mandiri payment d		
			padding		element 48:13)		
Total Transactio n Amount Minor Unit	n	1	zero left-padding	Total Transaction Amount Minor Unit Available if RC=0000 Currently always set to 2	Custom (sub data element 48:14)	48	
Total Transactio n Amount	n	17	Zero left-padding	Total Transaction Amount TA = RPTAG + AC Available if RC=0000 000000000000000000000000000000	Custom (sub data element 48:15)	48	
PLN-BILL Minor Unit	n	1		PLN-Bill Minor Unit Available if RC=0000	Custom (sub data element 48:16)	48	



		Currently always						— syariah mandiri payment online	
						Currently always set to 2			
		PLN-BILL Value (RPTAG)	n	10	Zero left-padding	To be used for Jasa Inkaso Calculation Available if RC=0000 & BS in [14]	Custom (sub data element 48:17)	48	
		Administra tion Charge Minor Unit	n	1	Zero left-padding	Administration Charge Minor Unit Available if RC=0000 Currently always set to 2	Custom (sub data element 48:19)	48	
		Administra tion Charge (AC)	n	10	Zero left-padding	Administration Charge Available if RC=0000 0000000000	Custom (sub data element 48:20)	48	
18	Length of Additional		n	3	zero left-padding	Length of additional private data #2	YES	62	



							- syariah man	diri payment online _i
	Private Data #2					(sub field of data element 62) for		
						MTI=2110		
						Sum of sub-fields length		
						Available if RC=0000		
						021		
19	Additional Private Data #2							62
		Bill Componen t Type	n	2	zero left-padding	Bill Component Type	Custom (sub data element	62
						Always set to 01	62:1)	
		Bill Componen t Minor	n	1	zero left-padding	Bill Component Minor Unit	Custom (sub data element	62
		Unit				Always set to 2	62:2)	
		Bill Componen t Value	n	17	zero left-padding	Bill Component Value Amount	Custom (sub data element	62



				000000000000000000000000000000000000000	 syariah mandiri payment online 		
		Amount		0	62:3)		
20	Length of Info Text	n	3	Length of Info Text		63	
21	Info Text	ans	999	Custom Message from PLN e.g. 63		63	
				"Hemat Listrik & Ayo Bebas			
				Narkoba"			

RC ERROR:

0005 : ERROR-Other

0006 : ERROR-blocked partner central

0007: ERROR-blocked terminal

0013: ERROR-Invalid Transaction Amount

0014 : ERROR-ID Pelanggan Salah 0015 : ERROR-ID Pelanggan Salah

0017: ERROR-Subscriber still have bills to pay

0030 : ERROR-Format Salah

0031: ERROR-Unregistered Bank Code



0032 : ERROR-Unregistered Switching

0033 : ERROR-Unregistered Product 0034 : ERROR-Unregistered Terminal

0040: ERROR-Stok kosong

0041 : ERROR-Transaction Amount below minimum purchase amount 0042 : ERROR-Transaction Amount exceed maximum purchase amount

0045 : ERROR-Invalid admin charge 0046 : ERROR-Insufficient Deposit

0047: ERROR-Total KWH is over the limit

0063 : ERROR-No Payment

0068 : ERROR-Time out

 ${\tt 0077:ERROR-Subscriber\ suspended}$

0088: ERROR-Bills already paid

0089 : ERROR-Current bill is not available

0090 : ERROR-Cut-off is in progress

0092 : ERROR-Invalid Starlink Solusi Reference Nuumber 0093 : ERROR-Invalid Partner Central Trace Audit Number

0094 : ERROR-Reversal had been done

0097: ERROR-Switching ID and / or Bank Code is not identical with payment

0098: ERROR-PLN Ref Number is not valid

LAMPIRAN SAMPLE MESSAGE



REQUEST:

21004030004180810000059950400000000006200910140111366015074410000074410101SLS00000000 00001044ST145S3543600000016710

54001

RESPONSE:

2110503000418281000C059950436000000121620000000000000062009101401113660150744100000744 101010000 SLS00000000001288ST145S35436000000016710

54001

000000000000000543102200613 KARTO AMIRSYAH

BED747A83726447D9825FA9DDE59F964974267FBB8B743749E4E6CFF5787F4CC54360

 $20000000121620000200000001214600002000016000000955076002204202002000000003046000010\\20000000091000000$

PAYMENT REQUEST:



22005030004180810004059950436000000012162000000000000072009101401124860150744100000744 10101 SLS000000000001288ST145S35436000000016710

54001

000000000000000543102200613KARTO AMIRSYAH

A72128F5F2C74204B5C60607123E3E6050EB2687D6E64891A858773E4ED198AF54360

 $200000001216200002000000012146000020000160000042020020000000030460000102000000091\\000000$

PAYMENT RESPONSE:

2210503200418281000605995043600000001216200000000000072009101401124820091014601507441 00000744101010000 SLS00000000001288ST145S354360000001

6710

54001

000000000000000543102200613 KARTO AMIRSYAH

A72128F5F2C74204B5C60607123E3E6050EB2687D6E64891A858773E4ED198AF54360



 $200000001216200002000000012146000020000160000042020020000000030460000102000000091\\000000033 Hemat Listrik \& Ayo Bebas Nark oba$