

Technical Specifications Symphoni ISO 8583 - PLN Prepaid

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Project Name	API Transaction (PLN)
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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



```
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 =
2365210000000000000";
       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 PREPAID

1. Inquiry Request Message

Message Type Identifier : 2100



Sender : MitraSymphoni

Tujuan : Memeriksa data pelanggan

Field	Name	Sub Field	Type	Len	Format	Description	ISO8583:2	003
							Standard	Data Element
1	MTI		n	4		Message Type Indicator 2100= Inquiry request	YES	
2	BitMap		h	16		Bit Map 4030004100010000 = use field 2, 11, 12, 26, 32, 48 of ISO8583:2003 Data Element		1
3	Length of PAN		n	2	Zero left padding	Length of PAN 05	YES	2
4	Primary Account Number (PAN)		n	5		99502 (Kode Produk Prepaid)	YES	2
5	Switcher Trace Audit Number		n	12	Zero left padding	Transaksi ID mitra Symphoni	YES	11



6	Date & Time, Local Transaction	n	14	CCYYMMDDhh	Date & Time of	syariah mand	iri payment online
	iransaction			mmss	local transaction	YES	12
7	Merchant Category Code	n	4		6010=Teller 6011=ATM 6012=POS 6013=AutoDebit/gialisasi 6014=Internet 6015=Kiosk 6016=Phone Banking/Call Cente 6017=Mobile Banking 6018=EDC		26
8	Length of Bank Code	n	2	Zero left-padding	Length of Bank Code 07		32
9	Bank Code	an	7	Zero left-padding	Bank Code (defined by Bank Indonesia)		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		n	3	Zero left-padding		syariah mandir	i payment online
	Additional Private Data				ieit-paduing	Private data (sub field of data element 48) for MTI=2100 Sum of sub-fields length	YES	48
14	Additional Private Data							
		Switcher ID	an	7	Zero left-padding	Switcher Identification Code (Provided by PLN) 0000000	Custom (sub data element 48:1)	48
		Material Number	n	11		Material Serial Number	Custom (sub data element 48:2)	48
		Subscriber ID	n	12	Space left-padding	IDPEL 000000000000	Custom (sub data element	48



				sy	yariah mandir	i payment online
					48:3)	
	Flag	n	1	0 = Material serial number yang digunakan sebagai input ID PEL 1 = Subscriber ID yang digunakan sebagai input IDPEL	Custom (sub data element 48:4)	48

2. Inquiry Response Message

Message Type Identifier : 2110

Sender : MitraSymphoni

Tujuan : Memeriksa data pelanggan

Field	Name	Sub Field	Type	Len	Format	Description	ISO8583:2003	
							Standard	Data Element
1	MTI		n	4		Message Type Indicator 2110= Inquiry request	YES	



					sy	yariah mand	iri payment online
2	BitMap	h	16		Primary Bit Map 4032004102010000 = use field 2, 11, 12, 26, 32, 33, 39,		1
					12, 20, 32, 33, 39, 41, 48, 62 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		99502 (Kode Produk Prepaid)	YES	2
5	Switcher Trace Audit Number	n	12	Zero left padding	Transaksi ID mitra Symphoni	YES	11
6	Date & Time, Local Transaction	n	14	CCYYMMDDhh mmss	Date & Time of local transaction	YES	12
7	Merchant Category Code	n	4		6010=Teller 6011=ATM 6012=POS 6013=AutoDebit/gir alisasi 6014=Internet	YES	26
					6016=Phone Banking/Call Center		



					6017=Mobile Banking 6018=EDC	variah mand	iri payment online
8	Length of Bank Code	n	2	Zero left-padding	Length of Bank Code 07		32
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	Response Code (RC)	n	4		0000=Successful 0005=ERROR-Other 0011=ERROR-Need to sign-on 0014=ERROR-Unkn own subscriber 0030=ERROR-Invali d message 0031=ERROR-Unre gristered Bank Code 0032=ERROR-Unre gristered Switching 0034=ERROR- Unregristered terminal	YES	39

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y 11		

						0033=ERROR- Unregristered Product	yariah mandir	payment online
						0068=ERROR-Time out		
						0077=ERROR-Subs criber Suspended		
						0090=ERROR-Cut-o ff is in progress		
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 dta element 48) for MTI=2110	YES	48
						Sum of sub-fields length 031 if RC!=0000		
						144 if RC= 0000		
15	Additional							
	Private Data							
		Switcher ID	an	7	Zero left-padding	Switcher Identification Code (Provided by	Custom (sub data element	48
						PLN) 0000000	48:1)	



Material	n	11		Material Serial s Number	yariah mandir	i payment online
Number				Number	Custom (sub data element 48:2)	48
Subscriber ID	n	12	Space left-padding	IDPEL 000000000000	Custom (sub data element 48:3)	48
Flag	n	1		0 = Material serial number yang digunakan sebagai input ID PEL 1 = Subscriber ID yang digunakan sebagai input IDPEL	Custom (sub data element 48:4)	48
PLN Reference Number	an	32		PLN Reference Number Available if RC=0000	Custom (sub data element 48:5)	48
Switcher Reference Number	an	32		PLN Reference Number Available if RC=0000	Custom (sub data element 48:6)	48
Subscriber Name	an	25	Space right-padding	Nama Pelanggan Available if RC=0000	Custom (sub data element 48:7)	48

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y		OII

								1
		Subscriber Segmentat ion	an	4	Space right-padding	Customer Segmentation Available if RC=0000	Custom (sub data element 48:8)	i payment online 48
		Power Consumin g Category	n	9		Power Consuming Category Available if RC=0000 & BS in [14]	Custom (sub data element 48:9)	48
		Minor Unit of admin charger	n	1		Minor unit admin charge (RESERVED) Available IF RC=0000 2 = Means last 2 digit of admin charge amount are decimal value	Custom (sub data element 48:10)	48
		Admin Charges	n	9	Zero left-padding	Total Administration Charges Available if RC=0000	Custom (sub data element 48:11)	48
16	Length of additional private data #2		n	3	Zero left-padding	Length of additional private data(sub fields or data element 62) for MTI=2110	YES	62
		Distributio n code	an	2			Custom (sub data element 62:1)	62



Service	an	5	sy	yariah mandir	payment online
Unit				Custom (sub data element 62:2)	62
Service phone unit	n	15		Custom (sub data element 62:3)	62
Max KWH unit	n	5	Max KWH unit limit allowed to buy Available if RC=0000	Custom (sub data element 62:4)	62
Total repeat	n	1	0.2	Custom (sub data element 62:5)	62
Power purchase unsold(PP) \ (Repeat)	n	11	Purchase KWH Unit Available if RC=0000 Unsold exist. Exsample : 00000000000	Custom (sub data element 62:6)	62

3. Purchase Request Message

Message Type Identifier : 2200

Sender : MitraSymphoni



Tujuan : Pembelian token

Field	Name	Sub Field	Type	Len	Format	Description	ISO8583:2	003
							Standard	Data Element
1	MTI		n	4		Message Type Indicator 2200= purchase request	YES	
2	BitMap		h	16		Primary Bit Map 5030004180810004= use field 2, 4 11, 12, 15, 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
4	Primary Account Number (PAN)		n	5		99502 (Kode Produk Prepaid)	YES	2
5	Transaction Amount		n	16			YES	4
		ISO Currency	n	3		ISO Currency Code	YES	4



		Code				Indonesian Rupiah =360	syariah mandi	ri payment online
		Currency Minor Unit	n	1		Number is decimal value 0 = no decimal value N = n last digit of	YES	4
						value amount are decimal value		
		Value Amount	n	12		Purchase amount for vending credit	YES	4
6	Switcher Trace Audit Number		n	12	Zero left padding	Transaksi ID mitra Symphoni	YES	11
7	Date & Time, Local Transaction		n	14	CCYYMMDDhh mmss	Date & Time of local transaction	YES	12
8	Merchant Category Code		n	4		6010=Teller 6011=ATM 6012=POS 6013=AutoDebit/gira sasi	YES	26
						6014=Internet 6015=Kiosk 6016=Phone Banking/Call Center		
						6017=Mobile Banking	g	



						sy	yariah mandir	i payment online
9	Length of Bank Code		n	2	Zero left-padding	Length of Bank Code 07		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
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=2200 Sum of sub-fields length 145	YES	48
15	Additional Private Data							
		Switcher ID	an	7	Zero left-padding	Switcher Identification Code (Provided by PLN) 0000000	Custom (sub data element 48:1)	48



						1
Material	n	11		Material Serial Number	yariah mandir	i payment online
Number				Namber	Custom (sub data element 48:2)	48
Subscriber ID	n	12	Space left-padding	IDPEL 000000000000	Custom (sub data element 48:3)	48
Flag	n	1		0 = Material serial number yang digunakan sebagai input ID PEL 1 = Subscriber ID yang digunakan sebagai input IDPEL	Custom (sub data element 48:4)	48
PLN Reference Number	an	32	Space right-padding	Must be Identical to same field in inquiry response message	Custom (sub data element 48:5)	48
Switcher Receipt Reference Number	an	32	Space right-padding	Must be Identical to same field in inquiry response message	Custom (sub data element 48:6)	48
Subscriber Name	an	25	Space right-padding	Must be Identical to same field in inquiry response message	Custom (sub data element 48:7)	48



		Subscriber segmentat ion	an	4	Space right-padding	Must be Identical to same field in inquiry response message	Custom (sub data element 48:8)	i payment online 48
		Power consuming category	n	9	Zero left-padding	Must be Identical to same field in inquiry response message	Custom (sub data element 48:9)	48
		Minor Unit of admin charge	n	1		Must be Identical to same field in inquiry response message	Custom (sub data element 48:10)	48
		Admin charge	n	10	Zero left-padding	Must be Identical to same field in inquiry response message	Custom (sub data element 48:10)	48
		Buying option	n	1		0 = buy new token 1 = buy 1 st token unsold 2 = buy 2 nd token unsold	Custom (sub data element 48:11)	48
16	Length of additionalprivate data #2		n	3	Zero left-padding	Length of additional private data(sub fields or data element 62) for MTI=2110	YES	62
17	Additional private data #2							



				S	syariah mandiri payment online		
Distribut ion code	an	2		Must be Identical to same field in inquiry response message	Custom (sub data element 62:1)	62	
Service Unit	an	5		Must be Identical to same field in inquiry response message	Custom (sub data element 62:2)	62	
Service phone unit	n	15	Space right-padding	Must be Identical to same field in inquiry response message	Custom (sub data element 62:3)	62	
Max KWH unit	n	5	Zero left-padding	Must be Identical to same field in inquiry response message	Custom (sub data element 62:4)	62	
Total repeat	n	1		Must be Identical to same field in inquiry response message	Custom (sub data element 62:5)	62	
Power purchase unsold(PP) (Repeat)	n	11	Zero left-padding	Must be Identical to same field in inquiry response message	Custom (sub data element 62:6)	62	



4. Purchase Response Message

Message Type Identifier : 2210

Sender : MitraSymphoni
Tujuan : Pembelian token

Field	Name	Sub Field	Туре	Len	Format	Description	ISO8583:2003	
							Standard	Data Element
1	МТІ		n	4		Message Type Indicator 2210= Purchase response	YES	
2	BitMap		h	16		Primary Bit Map 5032004182810006 = use field 2, 4 11, 12,15, 26, 32, 33, 41, 48, 62, 63 of ISO8583:2003 Data Element		1
3	Length of PAN		n	2	Zero left padding	Length of PAN 05	YES	2
4	Primary Account		n	5		99502 (Kode Produk	YES	2



	Number (PAN)					Prepaid)	syariah mandir	payment online
5	Transaction Amount		n	16			YES	4
		ISO Currency Code	n	3		ISO Currency Code Indonesian Rupiah =360		4
		Currency Minor Unit	n	1		Number is decimal value 0 = no decimal value N = n last digit of value amount are decimal value	YES	4
		Value Amount	n	12		Purchase amount for vending credit	YES	4
6	Switcher Trace Audit Number		n	12	Zero left padding	Transaksi ID mitra Symphoni	YES	11
7	Date & Time, Local Transaction		n	14	CCYYMMDDhh mmss	Date & Time of local transaction	YES	12
8	Date Settlement		n	8	CCYYMMDD	Date of settlement (refer to PLN cut-of for reconciliation		15



					purpose) For instance, if cut-	variah mandiri	payment online
					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		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
9	Length of Bank Code	n	2	Zero left-padding	Length of Bank Code 07		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	ariah mandi	ri payment online
	ID			lert-padding	Mitta Symphoni	YES	33
13	Response Code	n	4		0000=successful 0005= ERROR-Other	YES	39
					0011= ERROR-Nedd to sign-on		
					0013= ERROR-Invalid Transaction Amount		
					0014= ERROR-Unknown Subscriber		
					0030= ERROR-Invalid Message		
					0031= ERROR-Unregistere d Bank Code		
					0032= ERROR- Unregistered Switching		
					0033= ERROR- Unregistered Product		
					0041= ERROR- Transaction Amount below minimum purchase amount		
					0042= ERROR- Transaction Amount		



syariah mandiri payment online
exceed
maximum
purchase amount
0045= ERROR-
Invailid admin
charge
0046=
ERROR-Insuffcient
Deposit
0047= ERROR-
Total KWH in over
the limit
0068=
ERROR-Timeout
0088= ERROR-Bills
already paid
0089=
ERROR-Current Bill
is not available
0090=
ERROR-Cut-off is in
progress
0092=
ERROR-Switcher
Receipt
0093=
ERROR-Invalid
Switcher Reference
Number
0097=
ERROR-Switching ID
Entrolt Switching ID



						and/or Bankcode is not identical with inquiry 0098= ERROR-PLN	yariah mandiri p	payment online
						Ref Number is not valid		
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=2200 Sum of sub-fields length 145	YES	48
15	Additional Private Data							
		Switcher ID	an	7	Zero left-padding	Switcher Identification Code (Provided by PLN) 0000000	Custom (sub data element 48:1)	48
		Material Number	n	11		Material Serial Number	Custom (sub data element 48:2)	48
		Subscriber ID	n	12	Space left-padding	IDPEL 000000000000	Custom (sub data	48



				s	yariah mandiri	payment online
					element 48:3)	
Flag	n	1		0 = Material serial number yang digunakan sebagai input ID PEL 1 = Subscriber ID yang digunakan sebagai input IDPEL	Custom (sub data element 48:4)	48
PLN Reference Number	an	32	Space right-padding	Must be Identical to same field in inquiry response message	Custom (sub data element 48:5)	48
Switcher Receipt Reference Number	an	32	Space right-padding	Must be Identical to same field in inquiry response message	Custom (sub data element 48:6)	48
Vending Receive Number	n	8	Zero left-padding	Available if RC=0000	Custom (sub data element 48:7)	48
Subscriber Name	an	25	Space right-padding	Must be Identical to same field in inquiry response message	Custom (sub data element 48:7)	48
Subscriber	an	4	Space	Must be Identical to	Custom (sub	48



segmentat ion			right-padding	same field in inquiry response message	yariah mandiri data element 48:8)	payment online
Power consuming category	n	9	Zero left-padding	Must be Identical to same field in inquiry response message	Custom (sub data element 48:9)	48
Buying option	n	1		0 = buy new token 1 = buy 1 st token unsold 2 = buy 2 nd token unsold	Custom (sub data element 48:11)	48
Minor Unit of admin charge	n	1		Must be Identical to same field in inquiry response message	Custom (sub data element 48:10)	48
Admin charge	n	10	Zero left-padding	Must be Identical to same field in inquiry response message	Custom (sub data element 48:10)	48
Minor stamp of duty	n	1		Available if RC=0000 2 = means last 2 digit of stump duty	Custom (sub data element 48:12)	48
Stamp Duty	n	10		Available if RC=0000 2 = means last 2 digit	Custom (sub data element	48



				of stump duty	yariah mandiri p	payment online
					48:13)	
Minor Unit of value add tax	n	1		Available if RC=0000 2 = means last 2 digit of value add tax	Custom (sub data element 48:14)	48
Value add tax	n	10	Zero left-padding	Available if RC=0000 000000000	Custom (sub data element 48:15)	48
Minor unit of public lighting tax	n	1		Available if RC=0000 2 = means last 2 digit of public lighting tax amount	Custom (sub data element 48:16)	48
Public lighting tax	n	10		Available if RC=0000 0000000000	Custom (sub data element 48:17)	48
Minor unit of customer payable installmen t	n	1		Available if RC=0000 2 = means last 2 digit of stump duty amount	Custom (sub data element 48:18)	48
Costumer payable installmen t	n	10	Zero left-padding	Available if RC=0000 0000000000000000000000000000000	Custom (sub data element 48:19)	48



Minor unit	n	1		Available if RC=0000	yariah mandiri	payment online
of power purchase				2 = means last 2 digit of power purchase	Custom (sub data element 48:20)	48
Power purchase	n	12	Zero left-padding	Available if RC=0000 0000000000000000000000000000000	Custom (sub data element 48:21)	48
Minor unit of Power purchase	n	1		Available if RC=0000	Custom (sub data	48
KWH unit				2 = means last 2 digit of power purchase	element 48:22)	
Purchase KWH unit	n	10	Zero left-padding	Available if RC=0000	Custom (sub data	48
				000000000	element	
					48:23)	
Token number	n	20		Available if RC=0000	Costum (sub	48
				000000000000000000000000000000000000000	data element	
					48:24)	



						s	yariah mandiri p	payment online
16	Length of additional private data #2		n	3	Zero left-padding	Length of additional private data(sub fields or data element 62) for MTI=2110	YES	62
17	Additional private data #2							
		Distributio n code	an	2		Must be Identical to same field in inquiry response message	Custom (sub data element 62:1)	62
		Service Unit	an	5		Must be Identical to same field in inquiry response message	Custom (sub data element 62:2)	62
		Service phone unit	n	15	Space right-padding	Must be Identical to same field in inquiry response message	Custom (sub data element 62:3)	62
		Max KWH unit	n	5	Zero left-padding	Must be Identical to same field in inquiry response message	Custom (sub data element	62



						S	yariah mandiri p	ayment online
							62:4)	
		Total repeat	n	1		Must be Identical to same field in inquiry response message		62
		Power purchase unsold(PP) (Repeat)	n	11	Zero left-padding	Must be Identical to same field in inquiry response message		62
18	Length of info text		n	3		Length of info text	Custom (sub data element 63:1)	63
19	Info text		ans	999		Custom message	Custom (sub data element 63:2)	63

5. Purchase Advice Message

Message Type Identifier : 2220 / 2221 Sender : MitraSymphoni

Tujuan : Kirim ulang pembelian token untuk memeriksa pembelian token sebelumnya

Field	Name	Sub Field	Type	Len	Format	Description	ISO8583:2003
-------	------	--------------	------	-----	--------	-------------	--------------



							syariah mandir	i payment online
							Standard	Data Element
1	MTI		n	4		Message Type Indicator 2220= Advice reques	YES	
2	BitMap		h	16		Primary Bit Map 5032004182810006= use field 2, 4 11, 12,15, 26, 32, 33, 41 48, 62, 63 of ISO8583:2003 Data Element		1
3	Length of PAN		n	2	Zero left padding	Length of PAN 05	YES	2
4	Primary Account Number (PAN)		n	5		99502 (Kode Produ Prepaid)	k 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 is decimal value 0 = no decimal value N = n last digit of	YES	4



						value amount are	syariah mandiri payment online	
						decimal value		
		Value Amount	n	12		Purchase amount for vending credit	YES	4
6	Switcher Trace Audit Number		n	12	Zero left padding	Transaksi ID mitra Symphoni	YES	11
7	Date & Time, Local Transaction		n	14	CCYYMMDDhhm mss	Date & Time of local transaction	YES	12
8	Merchant Category		n	4		6010=Teller	YES	26
						6011=ATM		
	Code					6012=POS		
						6013=AutoDebit/g alisasi	ir	
						6014=Internet		
						6015=Kiosk		
						6016=Phone Banking/Call Cente	er	
						6017=Mobile Banking		
						6018=EDC		
9	Length of Bank Code		n	2	Zero left-padding	Length of Bank Code 07		32
10	Bank Code		an	7	Zero left-padding	Bank Code (defined by Bank Indonesia)		32
11	Length of		n	2	Zero	Length of partner		33



	partner central				left-padding	central ID 07	yariah mandi	ri payment online
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=2200 Sum of sub-fields length 145	YES	48
15	Additional Private Data							
		Switcher ID	an	7	Zero left-padding	Switcher Identification Code (Provided by PLN) 0000000	Custom (sub data element 48:1)	48
		Material	n	11		Material Serial Number	Custom (sub	48



	Number				s	yariah mandir	payment online
						data	
						element	
						48:2)	
	Subscrib er	n	12	Space left-padding	IDPEL 000000000000	Custom (sub	48
	ID					data	
						element	
						48:3)	
	Flag	n	1		0 = Material serial number yang digunakan sebagai	Custom (sub	48
					input IDPEL 1 = Subscriber ID	data	
					yang digunakan sebagai input IDPEL	element	
						48:4)	
	PLN Reference	an	32	Space	Must be Identical to same field in inquiry	Custom (sub data	48



Number			right-padding	response message sy	ariah mandir	i payment online
					element 48:5)	
Switcher Receipt Reference Number	an	32	Space right-padding	Must be Identical to same field in inquiry response message	Custom (sub data element 48:6)	48
Subscriber Name	an	25	Space right-padding	Must be Identical to same field in inquiry response message	Custom (sub data element 48:7)	48
Subscriber segmentat ion	an	4	Space right-padding	Must be Identical to same field in inquiry response message	Custom (sub data element 48:8)	48
Power consuming category	n	9	Zero left-padding	Must be Identical to same field in inquiry response message	Custom (sub data element 48:9)	48
Minor Unit of admin charge	n	1		Must be Identical to same field in inquiry response message	Custom (sub data element 48:10)	48
Admin charge	n	10	Zero left-padding	Must be Identical to same field in inquiry	Custom (sub data	48

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								I
						response message	element 48:10)	i payment online
		Buying option	n	1		0 = buy new token 1 = buy token unsold	Custom (sub data element 48:11)	48
16	Length of additional private data #2		n	3	Zero left-padding	Length of additional private data(sub fields or data element 62) for MTI=2110	YES	62
17	Additional private data #2							
		Distribut ion	an	2		Must be Identical to same field in inquiry	Custom (sub	62
		code				response message	data	
							element	

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			syariah mandiri payment online			
					62:1)	
Service Unit	an	5		Must be Identical to same field in inquiry	Custom (sub	62
				response message	data	
					element	
					62:2)	
Service phone	n	15	Space right-padding	Must be Identical to same field in inquiry	Custom (sub	62
unit				response message	data	
					element	
					62:3)	
Max KWH unit	n	5	Zero left-padding	Must be Identical to same field in inquiry	Custom (sub	62
				response message	data	
					element	



			syariah mandiri payment online				
					62:4)		
Total repeat	n	1		Must be Identical to same field in inquiry	Custom (sub	62	
				response message	data		
					element		
					62:5)		
Power	n	11	Zero left-padding	Must be Identical to same field in inquiry	Custom (sub	62	
purchas e				response message	data		
unsold(P P)					element		
(Repeat)					62:6)		

6. Purchase Advice Response Message

Message Type Identifier : 2230 / 2231
Sender : MitraSymphoni

Tujuan : Kirim ulang pembelian token untuk memeriksa pembelian token sebelumnya



				_				рауттети отште
Field	Name	Sub Field	Туре	Len	Format	Description	ISO85	83:2003
							Standard	Data Element
1	MTI		n	4		Message Type Indicator	YES	
						2210= Purchase response		
2	BitMap		h	16		Primary Bit Map		1
						5032004182810006 = use field 2, 4 11, 12,		
						15, 26, 32, 33, 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		n	5		99502 (Kode Produk Prepaid)	YES	2
	Number (PAN)							



							syariah mandi	ri payment online
5	Transaction Amount		n	16			YES	4
		ISO Currency Code	n	3		ISO Currency Code Indonesian Rupiah =360		4
		Currency Minor Unit	n	1		Number is decimal value	YES	4
		J.III				0 = no decimal value		
						N = n last digit of value amount are		
						decimal value		
		Value Amount	n	12		Purchase amount for vending credit	YES	4
6	Switcher Trace		n	12	Zero left padding	Transaksi ID mitra Symphoni	YES	11
	Audit Number							



7	Date & Time,	n	14	CCYYMMDDhh	Dute & Time of	yariah mandiri	payment online
	Local			mmss	local transaction	YES	12
	Transaction						
8	Date Settlement	n	8	CCYYMMDD	Date of settlement (refer to PLN cut-off for	YES	15
					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	n	4		6010=Teller	YES	26
	Code				6011=ATM		



					6012=POS	yariah mandiri payment online
					6013=AutoDebit/gir alisasi	
					6014=Internet	
					6015=Kiosk	
					6016=Phone Banking/Call Center	
					6017=Mobile Banking	
					6018=EDC	
9	Length of Bank	n	2	Zero left-padding	Length of Bank Code 07	32
	Code			, see paramig		
10	Bank Code	an	7	Zero left-padding	Bank Code (defined by Bank Indonesia)	YES 32
11	Length of	n	2	Zero left-padding	Length of partner central ID 07	33
	partner central			1311 passanig	22	



					syariah mandiri payment		
	ID						
12	Partner Central	n	7	Zero left-padding	Customer ID Mitra Symphoni	YES	33
13	Response Code	n	4		0000=successful	YES	39
					0005= ERROR-Other		
					0011= ERROR-Nedd to sign-on		
					0013= ERROR-Invalid Transaction Amount		
					0014= ERROR-Unknown Subscriber		
					0030= ERROR-Invalid Message		
					0031= ERROR-Unregistere		



	d Bank Code	syariah mandiri payment online
	0032= ERROR- Unregistered Switching	
	0033= ERROR- Unregistered Product	
	0041= ERROR- Transaction Amou below	nt
	minimum purchas amount	е
	0042= ERROR- Transaction Amou	nt
	exceed maximum purchase amount	
	0045= ERROR- Invailid admin charge	
	0046= ERROR-Insuffcient Deposit	



			syariah mandiri paym	nent online
		0047= ERROR- Total KWH in over the limit		
		0068= ERROR-Timeout		
		0088= ERROR-Bills already paid		
		0089= ERROR-Current Bill is not available		
		0090= ERROR-Cut-off is in progress		
		0092= ERROR-Switcher Receipt		
		0093= ERROR-Invalid Switcher Reference		
		Number		
		0097= ERROR-Switching ID		



					and/or Bank	variah mandiri payment online
					code is not identical with inquiry	
					0098= ERROR-PLN Ref Number is not	
					valid	
13	Terminal ID	ans	16	Zero left-padding	Kode loket / terminal mitra	YES 41
14	Length of Additional	n	3	Zero left-padding	Length of additional private data (sub	YES 48
	Private Data				field of data element 48) for MTI=2200	
					Sum of sub-fields length	
					145	
15	Additional					
	Private Data					

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Switcher ID	an	7	Zero left-padding	Switcher Identification	syariah mandiri p	Dayment Online
			iere padamig	Code (Provided by	Custom (sub	48
					data	
				PLN)	alamant	
				0000000	element	
				000000	48:1)	
					- ,	
Material	n	11		Material Serial	Custom (sub	48
				Number	data	
Number						
					element	
					48:2)	
					40.2)	
Subscrib	n	12	Space	IDPEL	Custom (sub	48
er			left-padding	00000000000	data	
ID						
טו					element	
					48:3)	
					40.3)	
Flag	n	1		0 = Material serial	Custom (sub	48
-				number yang digunakan sebagai input ID	data	
					element	

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				PEL	yariah mandiri payment online
				1 = Subscriber ID yang digunakan sebagai input IDPEL	48:4)
PLN Referenc e Number	an	32	Space right-padding	Must be Identical to same field in inquiry response message	Custom (sub data element 48:5)
Switcher Receipt Reference	an	32	Space right-padding	Must be Identical to same field in inquiry response message	Custom (sub data element 48:6)
Vending Receive Number	n	8	Zero left-padding	Available if RC=0000	Custom (sub data element 48:7)

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Subscrib er Name	an	25	Space right-padding	Must be Identical to same field in inquiry response message	Custom (sub data element 48:7)
Subscrib er segment ation	an	4	Space right-padding	Must be Identical to same field in inquiry response message	Custom (sub data data element 48:8)
Power consumi ng category	n	9	Zero left-padding	Must be Identical to same field in inquiry response message	Custom (sub data element 48:9)
Buying option	n	1		0 = buy new token 1 = buy token unsold	Custom (sub data element 48:11)

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	Minor Unit of admin	n	1		Must be Identical to same field in inquiry	yariah mandiri payment online Custom (sub 48 data
	charge				response message	element
						48:10)
	Admin charge	n	10	Zero left-padding	Must be Identical to same field in inquiry	Custom (sub 48 data
					response message	element
						48:10)
	Minor stamp	n	1		Available if RC=0000	Custom (sub 48 data
	of duty				2 = means last 2 digit of stump duty	element
						48:12)
	Stamp Duty	n	10		Available if RC=0000	Custom (sub 48 data
					2 = means last 2 digit of stump duty	element
						48:13)
<u> </u>						

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Minor Unit of value add tax	n	1		Available if RC=0000 2 = means last 2 digit of value add tax	Syariah mandiri payment online Custom (sub data element 48:14)
Value add tax	n	10	Zero left-padding	Available if RC=0000	Custom (sub data element 48:15)
Minor unit of public lighting tax	n	1		Available if RC=0000 2 = means last 2 digit of public lighting tax amount	Custom (sub data data element 48:16)
Public lighting tax	n	10		Available if RC=0000	Custom (sub 48 data element



				s	yariah mandiri payment online
					48:17)
Minor unit of	n	1		Available if RC=0000	Custom (sub 48 data
custome r				2 = means last 2 digit of stump duty	element
payable				amount	48:18)
installm ent					
Costume r	n	10	Zero left-padding	Available if RC=0000	Custom (sub 48 data
payable				000000000	element
installm ent					48:19)
Minor unit of	n	1		Available if RC=0000	Custom (sub 48 data
power				2 = means last 2 digit of power purchase	element
purchas e				puicilase	48:20)



				S	yariah mandiri payment online
Power purchas e	n	12	Zero left-padding	Available if RC=0000	Custom (sub data element 48:21)
Minor unit of Power purchas e KWH unit	n	1		Available if RC=0000 2 = means last 2 digit of power purchase	Custom (sub data element 48:22)
Purchas e KWH unit	n	10	Zero left-padding	Available if RC=0000	Custom (sub data element 48:23)
Token number	n	20		Available if RC=0000 0000000000000000000000000000000	Costum (sub 48 data element



						sy	syariah mandiri payment onli			
							48:24)			
16	Length of additional private data #2		n	3	Zero left-padding	Length of additional private data(sub fields or data element 62) for MTI=2110	YES	62		
17	Additional private data #2									
		Distribut ion code	an	2		Must be Identical to same field in inquiry response message		62		
		Service	an	5		Must be Identical to	Custom (sub	62		

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Unit				same field in inquiry	yariah mandiri	payment online
				response message	data	
					element	
					62:2)	
Service phone	n	15	Space right-padding	Must be Identical to same field in inquiry	Custom (sub	62
unit				response message	data	
					element	
					62:3)	
Max KWH	n	5	Zero left-padding	Must be Identical to same field in inquiry	Custom (sub	62
unit				response message	data	
					element	
					62:4)	
Total repeat	n	1		Must be Identical to same field in inquiry	Custom (sub	62
				response message	data	
					element	



						S	yariah mandiri	payment online
							62:5)	
		Power	n	11	Zero left-padding	Must be Identical to same field in inquiry	Custom (sub	62
		purchas e					data	
		unsold(P				response message	element	
		P)					62:26)	
		(Repeat)						
18	Length of info text		n	3		Length of info text	Custom (sub data element 63:1)	63
19	Info text		ans	999		Custom message	Custom (sub data element 63:2)	63

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 Code0032 : ERROR-Unregistered Switching0033 : ERROR-Unregistered Product0034 : 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

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

SENDING:

RECEIVE:

211040300041828100040599502000006841163201403191334216021074510017074510206000000000 000000040144ST145S33401366149013224145381300CEB0D596CBD45889A75B5A41FBD9C034510206201 4031913334861236600000ZELYENDRA R1 000001300200001600000281313451123 009360

PURCHASE SENDING:

2200503000418081000405995023600000000191000000068411632014031913342160210745100170745
102060000000000000040145ST145S33401366149013224145381300CEB0D596CBD45889A75B5A41FBD9C
0345102062014031913334861236600000ZELYENDRA R1
0000013002000016000000281313451123 009360



PURCHASE RECEIVE: