

Technical Specifications Symphoni ISO 8583 - PLN Postpaid

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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 POSTPAID

1. Inquiry Request Message

Message Type Identifier : 2100



Sender : MitraSymphoni

Tujuan : Memeriksa tagihan pelanggan

Field	Name	Sub Field	Туре	Len	Format	Description	ISO8583:2	003
							Standard	Data Element
1	MTI		n	4		Message Type Indicator 2100= Inquiry	YES	
						request		
2	BitMap		h	16		Bit Map		1
						4030004180810000 = use field 2, 11, 12,		
						26, 32, 33, 41, 48 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		99501 (Kode sy a Produk	riah mandi	ri payment online
	Number (PAN)				Postpaid)	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 6015=Kiosk 6016=Phone Banking/Call Center 6017=Mobile Banking 6018=EDC	YES	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	yariah mandir	payment online
					, ,	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 (substitute field of dataselement 48) for MTI=2100 Sum of sub-fields length 031	I YES	48
14	Additional Private Data							
		Switcher	an	7	Zero	Switcher	Custom	48

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	ID			left-padding	Identification Code (Provided	syariah mandiri payment online	
					by PLN) 0000000	(sub data element 48:1)	
	Subscrib er ID	n	12	Space left-padding	IDPEL 0000000000000	Custom (sub data element 48:2)	48

2. Inquiry Response Message

Message Type Identifier : 2110

Sender : MitraSymphoni

Tujuan : Memeriksa tagihan pelanggan

Field	Name	Sub Field	Type	Len	Format	Description	ISO8583:2	003
							Standard	Data Element
1	MTI		n	4		Message Type Indicator	YES	
						2110= Inquiry		



						response sya	ariah mandi	ri payment online
2	BitMap		h	16		Primary Bit Map		1
						5030004182810000 = use field 2, 4 11, 12,		
						26, 32, 33, 39, 41 48 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		99501 (Kode Produk Postpaid)	YES	2
5	Transaction		n	16			YES	4
	Amount							
		ISO Currency	n	3		ISO Currency Code Indonesian Rupiah=360	YES	4
		Code				360		

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		Currency Minor	n	1		Number of s decimal value		payment online
		Unit					YES	4
						0=no decimal value	2	
						n=n-last digits of value amount are decimal		
						values		
						0		
		Value	n	12	Zero left padding	Transaction Amoun	t	
		Amount				TA=RPTAG + RPBK + ADM		
						00000000000		
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	YES	26



					6012=POS sya	ariah mandi	ri payment online
					6013=AutoDebit/gir alisasi		
					6014=Internet		
					6015=Kiosk		
					6016=Phone Banking/Call Center		
					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)	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	Response Code (RC)	n	4		0000=Successful	YES	39



	syariah mandiri payment online
	0004=ERROR-Unre gristered biller
	0005=ERROR-Other
	0006=ERROR-Block ed Partner Central
	0007=ERROR-Block ed Terminal
	0008=ERROR-Invali d-access time
	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 s Partner	yariah mandir	i payment online
					Central		
					0034=ERROR- Unregristered terminal		
					0033=ERROR- Unregristered Product		
					0068=ERROR-Time		
					0088=ERROR-Bills already paid		
					0089=ERROR-Curre nt bill is not available		
					0090=ERROR-Cut-off is in progress)	
14	Terminal ID	ans	3 16	Zero left-padding	Kode loket / terminal mitra	YES	41
15	Length of	n	3	Zero left-padding	Length of additiona private data	I YES	48



	Additional					sy	ariah mandiri	payment online
	Private Data					(sub field of data element 48) for		
						MTI=2110		
						Sum of sub-fields length		
						019 if RC =0000		
						232 if RC=0000 & BS=1		
						343 if RC=0000 & BS=2		
						454 if RC=0000 & BS=3		
						565 if RC=0000 & BS=4		
15	Additional Private Data							
		Switcher ID	an	7	Zero left-padding	Identical to same field in inquiry request	Custom (sub data	48



				sy	syariah mandiri payment online		
				message	element 48:1)		
Subscrib er ID	n	12	Space left-padding	Identical to same field in inquiry request message	Custom (sub data element 48:2)	48	
Bill Status (BS)	n	1		Status of subscribe bills 1=Biller send 1 bill 1=Biller send 2 bills 1=Biller send 3 bills 1=Biller send 4 bills Available if RC=0000	Custom (sub data element 48:3)	48	
Total Outstan ding	n	2		Number of outstanding bills 01=1 total	Custom (sub data element 48:4)	48	

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Bill				outstanding bills sy	ariah mandiri	payment online
Bill						
				Nn=nn total outstanding bills		
				Available if RC=0000 and BS in [14]		
Switcher Reference Number	an	32		Switcher Reference Number Available if	Custom (sub data element	48
				RC=0000	48:6)	
Subscriber Name	an	25	Space right-padding	Nama Pelanggan Available if RC=0000	Custom (sub data element 48:7)	48
Service Unit (SU)	an	5	Space right-padding	Service Unit (KDUP) Available if RC=0000 and BS in [14]	Custom (sub data element 48:8)	48
Service	n	15	Space right-	Service Unit Phone	Custom	48



Unit				(SUP) sy	ariah mandiri	payment online
Phone(SUP)			padding	Available if RC=0000 & BS in [14]	(sub data element 48:9)	
Subscriber Segmentat ion	an	4		Customer Segmentation Available if RC=0000 & BS in [14]	Custom (sub data element 48:10)	48
Power Consumin g Category	n	9	Zero left-padding	Power Consuming Category Available if RC=0000 & BS in [14]	Custom (sub data element 48:11)	48
Total Admin Charges	n	9	Zero left-padding	Total Administration Charges	Custom (sub data element 48:12)	48
Bill Period	n	6	ССҮҮММ	Month and Year (BLTH) of bill to be	Custom (sub data	48

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(repeated)				paid sy	rariah mandiri	payment online
				Available if RC=0000 & BS in [14]	element 48:13)	
Due Date (repeated)	n	8	DDMMCCYY	Due date of bill payment Available if RC=0000 & BS in [14]	Custom (sub data element 48:14)	48
Meter Read Date (repeated)	n	8	DDMMCCYY	Date when the subscribed meter was read. Currently is reserved (not available yet) and set to CCYYMMDD Available if RC=0000 & BS in [14]	Custom (sub data element 48:15)	48



Total	n	11	Zero left-padding	Electricity bill (RPTAG) to be	ariah mandiri	payment online
Electricity Bill				paid	Custom (sub data	48
Dill				Available if	element	
(Repeated)				RC=0000 & BS in [14]	48:16)	
Incentive	xn	11		Eletricity bill incentive	Custom (sub data	48
(Repeated)					element	
(Nepeated)				Available if RC=0000 & BS in [14]	48:17)	
				00000000000=ince ntive (Total Electricity		
				bill contains incentive value		
				000000000000=dis centive (Total		
				Electricity bill contains discentive value)		
Value Added	n	10	Zero left-padding	To be used for Jasa Inkaso Calculation	Custom (sub data	48



				sy	ariah mandiri	i payment online
Tax* (repeated)				Available if RC=0000 & BS in [14]	element 48:18)	
Penalty Fee (repeated)	n	9	Zero left-padding	Penalty fee (RPBK) to be paid Available if RC=0000 & BS in [14]	Custom (sub data element 48:19)	48
Previous Meter Reading 1 (repeated)	n	8	Zero left-padding	Last month meter reading SLALWBP Available if RC=0000 & BS in [14]	Custom (sub data element 48:20)	48
Current Meter Reading 1 (repeated)	n	8	Zero left-padding	Current month meter reading SAHLWBP	Custom (sub data element 48:21)	48



					syariah mandiri	i payment online	
Previous	n	8	Zero left-padding	SLAWBP	Custom (sub data	48	
Meter				Available if RC=0000 & BS in	element 48:22)		
Reading 2				[14]			
(repeated)							
Current	n	8	Zero left-padding	SAHWBP	Custom (sub data	48	
Meter				Available if RC=0000 & BS in	element 48:23)		
Reading 2				[14]			
(repeated)							
Previous	n	8	Zero left-padding	SLAKVARH	Custom (sub data	48	
Meter			, ,	Available if RC=0000 & BS in	element 48:24)		
Reading 3				[14]			
(repeated)							
Current	n	8	Zero	SAHKVARH	Custom	48	

			ym phoni
	left-padding	Sy	variah mandiri payment online
Meter		Available if RC=0000 & BS in	(sub data
Reading	3	[14]	element 48:25)
(repeate	ed)		

3. Payment Request Message

Message Type Identifier : 2200

Sender : MitraSymphoni

Tujuan : Pembayaran Tagihan

Field	Name	Sub Field	Type	Len	Format	Description	ISO8583:2003	
							Standard	Data Element
1	MTI		n	4		Message Type Indicator	YES	
						2200= Payment request		
2	BitMap		h	16		Primary Bit Map		1



						sya	riah mandi	ri payment online
						5030004182810000 = use field 2, 4 11, 12,		
						26, 32, 33, 39, 41 48 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		99501 (Kode Produk Postpaid)	YES	2
5	Transaction Amount	n	16		Must be identical to same field in inquiry response message	YES	4	
		ISO Currency Code	n	3		Must be identical to same field in inquiry response message	YES	4
		Currency Minor	n	1		Must be identical to same field in inquiry	YES	4



		Unit				response syariah mandiri payment message		
		Value Amount	n	12	Zero left padding	Must be identical to same field in inquiry response message	,	
6	Switcher Trace Audit Number		n	12	Zero left padding	Must be identical to same field in inquiry response message	YES	11
7	Date & Time, Local Transaction		n	14	CCYYMMDDhh mmss	Date time of local transactions	YES	12
8	Merchant Category Code		n	4		Must be identical to same field in inquiry response message	YES	26
9	Length of Bank Code		n	2	Zero left-padding	Must be identical to same field in inquiry response message	,	32



					S	yariah mandi	ri payment online
10	Bank Code	an	7	Zero left-padding	Must be identical to same field in inquiry response message	YES	32
11	Length of partner central ID	n	2	Zero left-padding	Must be identical to same field in inquiry response message		33
12	Partner Central ID	n	7	Zero left-padding	Must be identical to same field in inquiry response message	YES	33
13	Terminal ID	ans	16	Zero left-padding	Must be identical to same field in inquiry response message	YES	41
15	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	YES	48

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						length s	syariah mandiri payment or		
						233 if PS=1			
						344 if PS=2			
						455 if PS=3			
						566 if PS=4			
15	Additional Private Data								
		Switcher ID	an	7	Zero left-padding	Must be identical to same field in inquiry response message	Custom (sub data element 48:1)	48	
		Subscriber ID	n	12	Space left-padding	Must be identical to same field in inquiry response message	Custom (sub data element 48:2)	48	
		Bill Status (BS)	n	1		Status of subscribe bills 1=Biller send 1 bill	Custom (sub data element 48:3)	48	
		(53)				1=Biller send 1 bill	48:3)		

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			1=Biller send 2 bills syariah mandiri payment online
			1=Biller send 3 bills
			1=Biller send 4 bills
			Available if RC=0000
Payment	n	1	Number of bill will be Custom 48 paid (currently must (sub data
Status (P	S)		be equal to Bill 48:4) Status)
			Valid values [14]
Total	n	2	Number of Custom 48 outstanding bills (sub data
Outstand g Bill	lin		element 01=1 total 48:4) outstanding bills
			Nn=nn total outstanding bills
			Available if RC=0000 and BS in [14]



			T				
Switcher Reference	an	an 32		Reference	ariah mandiri	payment online	
Number	er			Number Available if	Custom (sub data	48	
			RC=0000	RC=0000	element 48:6)		
Subscriber Name	an	25	Space right-padding	Nama Pelanggan Available if RC=0000	Custom (sub data element 48:7)	48	
Service Unit (SU)	an	5	Space right-padding	Service Unit (KDUP) Available if RC=0000 and BS in [14]	Custom (sub data element 48:8)	48	
Service Unit Phone(SUP)	n	15		Service Unit Phone (SUP) Available if RC=0000 & BS in [14]	Custom (sub data element 48:9)	48	
Subscriber Segmentat ion	an	4	Space right-	Customer Segmentation	Custom (sub data element	48	



				RC=0000 & BS	ariah mandiri	payment online
				in [14]	48:10)	
Power Consumin	n	9	Zero left-padding	Power Consuming Category	Custom (sub data element	48
g Category				Available if RC=0000 & BS in [14]	48:11)	
Total Admin Charges	n	9	Zero left-padding	Total Administration Charges	Custom (sub data element 48:12)	48
Bill Period (repeated)	n	6	ССҮҮММ	Month and Year (BLTH) of bill to be paid Available if RC=0000 & BS in	Custom (sub data element 48:13)	48
Due Date (repeated)	n	8	DDMMCCYY	Due date of bill payment	Custom (sub data element	48



				Available if SY RC=0000 & BS in [14]	variah mandiri 48:14)	payment online
Meter Read Date (repeated)	n	8	DDMMCCYY	Date when the subscribed meter was read.	Custom (sub data element 48:15)	48
				Currently is reserved (not available yet)		
				and set to CCYYMMDD		
				Available if RC=0000 & BS in [14]		
Total Electricity Bill (Repeated)	n	11	Zero left-padding	Electricity bill (RPTAG) to be paid Available if RC=0000 & BS in [14]	Custom (sub data element 48:16)	48
Incentive	xn	11		Eletricity bill	Custom	48

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				incentive sy	ariah mandiri	payment online
(Repeated)				Available if RC=0000 & BS in [14]	(sub data element 48:17)	
				00000000000=ince ntive (Total Electricity		
				bill contains incentive value		
				000000000000=dis centive (Total		
				Electricity bill contains discentive value)		
Value Added	n	10	Zero left-padding	To be used for Jasa Inkaso Calculation	Custom (sub data element	48
Tax* (repeated)				Available if RC=0000 & BS in [14]	48:18)	
Penalty Fee	n	9	Zero left-padding	Penalty fee (RPBK) to be paid	Custom (sub data element	48



(repeated)				Available if syariah mandiri payment o RC=0000 & BS		
				in [14]	48:19)	
Previous	n	8	Zero left-padding	Last month meter reading	Custom (sub data	48
Meter				SLALWBP	element 48:20)	
Reading 1				SENEVADI	40.20)	
(repeated)				Available if RC=0000 & BS in [14]		
Current	n	8	Zero left-padding	Current month meter reading	Custom (sub data element	48
Meter				SAHLWBP	48:21)	
Reading 1						
(repeated)						
Previous	n	8	Zero left-padding	SLAWBP	Custom (sub data	48
Meter				Available if	element	
Reading 2				RC=0000 & BS in [14]	48:22)	



(repeated)				sy	variah mandiri	payment online
Current Meter Reading 2 (repeated)	n	8	Zero left-padding	SAHWBP Available if RC=0000 & BS in [14]	Custom (sub data element 48:23)	48
Previous Meter Reading 3 (repeated)	n	8	Zero left-padding	SLAKVARH Available if RC=0000 & BS in [14]	Custom (sub data element 48:24)	48
Current Meter Reading 3 (repeated)	n	8	Zero left-padding	SAHKVARH Available if RC=0000 & BS in [14]	Custom (sub data element 48:25)	48



3. Payment Response Message

Message Type Identifier : 2210

Sender : MitraSymphoni

Tujuan : Pembayaran Tagihan

Field	Name	Sub Field	Type	Len	Format	Description	ISO8583:2003	
							Standard	Data Element
1	МТІ		n	4		Message Type Indicator 2210= Payment response	YES	
2	BitMap		h	16		Primary Bit Map 5032004182810000= use field 2, 4 11, 12, 15, 26, 32, 33, 39, 41 48 of ISO8583:2003 Data Element		1
3	Length of PAN		n	2	Zero left	Length of PAN 05	YES	2



					padding		syariah mandi	ri payment online
4	Primary Account Number (PAN)		n	5		99501 (Kode Produk Postpaid)	YES	2
5	Transaction Amount		n	16		Must be identical to same field in inquiry response message		4
		ISO Currency Code	n	3		Must be identical to same field in inquiry response message		4
		Currency Minor Unit	n	1		Must be identical to same field in inquiry response message		4
		Value Amount	n	12	Zero left padding	Must be identical to same field in inquiry response message		
6	Switcher Trace Audit Number		n	12	Zero left padding	Must be identical to same field in inquiry response message		11

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7	Date & Time, Local	n	14	CCYYMMDDhh mmss	Date time of local transactions		ri payment online
	Transaction					YES	12
8	Date Settlement	n	8	CCYYMMDD	Date of settlement (refer to PLN cut-off for	YES	15
					reconciliation purpose) For instance if cut-	e,	
					off at 16:00:00 (PLN Gateway Time), ther		
					all payment start fro 16:00:01 must be	m	
					reconciled as next-day transaction	1	
9	Merchant Category Code	n	4		Must be identical to same field in inquiry response message	YES	26
10	Length of Bank Code	n	2	Zero left-padding	Must be identical to same field in inquiry response message		32



11	Bank Code	an	7	Zero left-padding	Must be identical to same field in	syariah mandir	i payment online
					inquiry response message	YES	32
12	Length of partner central ID	n	2	Zero left-padding	Must be identical to same field in inquiry response message		33
13	Partner Central ID	n	7	Zero left-padding	Must be identical to same field in inquiry response message	YES	33
14	Terminal ID	ans	16	Zero left-padding	Must be identical to same field in inquiry response message	YES	41
15	Response Code	n	4		0000=successful 0004= ERROR-Unregistered bills		
					0005= ERROR-Other	-	



0006= syariah mandiri payment online ERROR-Blocked partner Central
0007= ERROR- Blocked Terminal
0008= ERROR-Invalid access-time
0011= ERROR-Nedd to sign-on
0013= ERROR-Invalid Transaction Amount
0014= ERROR-Unknown Subscriber
0030= ERROR-Invalid Message
0031= ERROR-Unregistered Bank Code
0032= ERROR- Unregistered Partner



Central syariah mandiri payment online
0033= ERROR- Unregistered Product
0034= ERROR- Unregistered Terminal
0045= ERROR-Invalid admin Charges
0068= ERROR-Timeout
0069= ERROR-Timeout from PLN and
payment have been reversal by switching
0088= ERROR-Bills already paid
0090= ERROR-Cut-off is in progress
0092= ERROR-Switcher Reference



					sy	ariah mandiri	payment online
					Number is not available		
					0093= ERROR-Invalid Switcher Trace		
					Audit Number		
					0097= ERROR-Switching ID and/or Bank		
					Code is not identical with inquiry		
					0098= ERROR-PLN Rference Number is		
					not valid		
16	Length of Additional Private Data	n	3	Zero left-padding	Length of additional private data (sub field	YES	48
	Filvate Data				of data element 48) for MTI=2200		
					Sum of sub-fields length		

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						233 if PS=1	variah mandiri	payment online
						344 if PS=2		
						455 if PS=3		
						566 if PS=4		
17	Additional Private Data							
		Switcher ID	an	7	Zero left-padding	Must be identical to same field in inquiry response message	Custom (sub data element 48:1)	48
		Subscriber ID	n	12	Space left-padding	Must be identical to same field in inquiry response message	Custom (sub data element 48:2)	48
		Bill Status (BS)	n	1		Status of subscribe bills	Custom (sub data element	48
		,==,				1=Biller send 1 bill	48:3)	
						1=Biller send 2 bills		

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			1=Biller send 3 bills syariah mandiri payment online
			1=Biller send 4 bills
			Available if RC=0000
Payme		1	Number of bill will be Custom 48 paid (currently must (sub data element
Status	s (PS)		be equal to Bill 48:4) Status)
			Valid values [14]
Total	n	2	Number of Custom 48 outstanding bills (sub data element
Outsta g Bill	andin		01=1 total 48:4) outstanding bills
			Nn=nn total outstanding bills
			Available if RC=0000 and BS in [14]
Switch Refere		32	Switcher Reference Custom 48 Number Available if (sub data

	-			
V	ym	nh	\cap	ni
	y	\mathcal{V}^{I}		111

Number					ariah mandiri	payment online
				RC=0000	element 48:6)	
Subscriber Name	an	25	Space right-padding	Nama Pelanggan Available if RC=0000	Custom (sub data element 48:7)	48
Service Unit (SU)	an	5	Space right-padding	Service Unit (KDUP) Available if RC=0000 and BS in [14]	Custom (sub data element 48:8)	48
Service Unit Phone(SUP)	n	15		Service Unit Phone (SUP) Available if RC=0000 & BS in [14]	Custom (sub data element 48:9)	48
Subscriber Segmentat ion	an	4	Space right- padding	Customer Segmentation Available if RC=0000 & BS in [14]	Custom (sub data element 48:10)	48



			1			
				s	yariah mandiri	payment online
Power Consumin g Category	n	9	Zero left-padding	Power Consuming Category Available if RC=0000 & BS in [14]	Custom (sub data element 48:11)	48
Total Admin Charges	n	9	Zero left-padding	Total Administration Charges	Custom (sub data element 48:12)	48
Bill Period (repeated)	n	6	ССҮҮММ	Month and Year (BLTH) of bill to be paid Available if RC=0000 & BS in [14]	Custom (sub data element 48:13)	48
Due Date (repeated)	n	8	DDMMCCYY	Due date of bill payment Available if RC=0000 & BS in [14]	Custom (sub data element 48:14)	48



Meter n 8 DDMMCCYY Date when the subscribed meter was Custom (sub data element)	nt online
Read Date subscribed meter (sub data	
element	
(repeated) 48:15)	
read.	
Currently is reserved (not available yet)	
and set to CCYYMMDD	
Available if RC=0000 & BS in [14]	
Total n 11 Zero Electricity bill Custom 48 left-padding (RPTAG) to be paid (sub data	
Electricity Bill Available if 48:16)	
RC=0000 & BS in	
(Repeated)	
Incentive xn 11 Eletricity bill Custom (sub data incentive sub data	
(Repeated) element Available if	



				RC=0000 & BS in [14]	syariah mandiri	payment online
				00000000000=incontive (Total Electricity	48:17) e	
				bill contains incentive value		
				000000000000=di centive (Total	S	
				Electricity bill contains discentive value)		
Value Added Tax* (repeated)	n	10	Zero left-padding	To be used for Jasa Inkaso Calculation Available if RC=0000 & BS in [14]	Custom (sub data element 48:18)	48
Penalty Fee (repeated)	n	9	Zero left-padding	Penalty fee (RPBK) to be paid Available if RC=0000 & BS in [14]	Custom (sub data element 48:19)	48



			1			
				S	yariah mandiri	payment online
Previous	n	8	Zero left-padding	Last month meter reading	Custom (sub data	48
Meter					element	
				SLALWBP	48:20)	
Reading 1				A '1 1 1 'C		
				Available if RC=0000 & BS in		
(repeated)				[14]		
Current	n	8	Zero	Current month	Custom	48
			left-padding	meter reading	(sub data	
Meter				SAHLWBP	element	
				SAULWBA	48:21)	
Reading 1						
(repeated)						
(repeated)						
Previous	n	8	Zero	SLAWBP	Custom	48
rievious	11	O	left-padding	SLAWDI	(sub data	40
Meter				Available if	element	
				RC=0000 & BS in	48:22)	
Reading 2				[14]		
(repeated)						

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		Current	n	8	Zero left-padding	SAHWBP S	yariah mandir	i payment online
		Meter Reading 2 (repeated)				Available if RC=0000 & BS in [14]	Custom (sub data element 48:23)	48
		Previous Meter Reading 3 (repeated)	n	8	Zero left-padding	SLAKVARH Available if RC=0000 & BS in [14]	Custom (sub data element 48:24)	48
		Current Meter Reading 3 (repeated)	n	8	Zero left-padding	SAHKVARH Available if RC=0000 & BS in [14]	Custom (sub data element 48:25)	48
18	Length of Info		n	3		Length of Info Text		63



Text			syariah mandiri paymer			
Info Text	ans	999	Custom Message	63		
			e.g. : Rincian Tagihan Dapat Diakses di			
			www.pln.co.id Atau di PLN Terdekat			
				Info Text ans 999 Custom Message e.g.: Rincian Tagihan Dapat Diakses di www.pln.co.id Atau		

5. Reversal Request Message

Message Type Identifier : 2400 / 2401 Sender : MitraSymphoni

Tujuan : Pembatalan Pembayaran Tagihan

Field	Name	Sub Field	Type	Len	Format	Description	ISO8583:2003	
							Standard	Data Element
1	MTI		n	4		Message Type Indicator 2400 / 2401= Reversal request	YES	
2	BitMap		h	16		Primary Bit Map		1



						sya	ariah mandir	i payment online
						5030004182810000 = use field 2, 4 11, 12,		
						26, 32, 33, 39, 41 48 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		99501 (Kode Produk Postpaid)	YES	2
5	Transaction Amount		n	16		Must be identical to same field in inquiry response message	YES	4
		ISO Currency Code	n	3		Must be identical to same field in inquiry response message	YES	4
		Currency Minor	n	1		Must be identical to same field in inquiry	YES	4



	Unit				response syariah mandiri payment online message				
		Value Amount	n	12	Zero left padding	Must be identical to same field in inquiry response message	,		
6	Switcher Trace Audit Number		n	12	Zero left padding	Must be identical to same field in inquiry response message	YES	11	
7	Date & Time, Local Transaction		n	14	CCYYMMDDhh mmss	Date time of local transactions	YES	12	
8	Merchant Category Code		n	4		Must be identical to same field in inquiry response message	YES	26	
9	Length of Bank Code		n	2	Zero left-padding	Must be identical to same field in inquiry response message	,	32	



						syariah mandii	i payment online
10	Bank Code	an	7	Zero left-padding	Must be identical to same field in inquiry response message	YES	32
11	Length of partner central ID	n	2	Zero left-padding	Must be identical to same field in inquiry response message		33
12	Partner Central ID	n	7	Zero left-padding	Must be identical to same field in inquiry response message	YES	33
13	Terminal ID	ans	16	Zero left-padding	Must be identical to same field in inquiry response message	YES	41
14	Length of Additional Private Data	n	3	Zero left-padding	Length of additional private data (sub fie of data element 48) for MTI=2200	YES	48
					Sum of sub-fields		

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						length syariah mandiri payment online		
						233 if PS=1		
						344 if PS=2		
						455 if PS=3		
						566 if PS=4		
15	Additional Private Data							
		Switcher ID	an	7	Zero left-padding	Must be identical to same field in inquiry response message	Custom (sub data element 48:1)	48
		Subscriber ID	n	12	Space left-padding	Must be identical to same field in inquiry response message	Custom (sub data element 48:2)	48
		Bill Status (BS)	n	1		Status of subscribe bills 1=Biller send 1 bill	Custom (sub data element 48:3)	48
						1=Biller send 2 bills	,	

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VIII	
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			syariah mandiri payment online				
			1=Biller send 3 bills				
			1=Biller send 4 bills				
			Available if RC=0000				
Payment Status (PS)	n	1		Custom (sub data element	48		
Status (F3)			be equal to Bill Status)	48:4)			
			Valid values [14]				
Total	n	2		Custom (sub data	48		
Outstandin g Bill			01=1 total outstanding bills	element 48:4)			
			Nn=nn total outstanding bills				
			Available if RC=0000 and BS in [14]				
Switcher	an	32	Switcher Reference	Custom	48		

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Reference Number				Number sy Available if	ariah mandiri	payment online
Number				RC=0000	(sub data element 48:6)	
Subscriber Name	an	25	Space right-padding	Nama Pelanggan Available if RC=0000	Custom (sub data element 48:7)	48
Service Unit (SU)	an	5	Space right-padding	Service Unit (KDUP) Available if RC=0000 and BS in [14]	Custom (sub data element 48:8)	48
Service Unit Phone(SUP)	n	15		Service Unit Phone (SUP) Available if RC=0000 & BS in [14]	Custom (sub data element 48:9)	48
Subscriber Segmentat ion	an	4	Space right- padding	Customer Segmentation Available if RC=0000 & BS in	Custom (sub data element 48:10)	48



			[14] syariah mandiri payment online			
Power Consumin g	n	9	Zero left-padding	Power Consuming Category Available if RC=0000 & BS in	Custom (sub data element 48:11)	48
Category				[14]		
Total Admin Charges	n	9	Zero left-padding	Total Administration Charges	Custom (sub data element 48:12)	48
Bill Period (repeated)	n	6	ССҮҮММ	Month and Year (BLTH) of bill to be paid Available if RC=0000 & BS in	Custom (sub data element 48:13)	48
Due Date	n	8	DDMMCCYY	[14] Due date of bill payment	Custom (sub data	48
(repeated)				Available if RC=0000 & BS in	element 48:14)	



				[14] s	yariah mandiri	payment online
Meter Read Date (repeated)	n	8	DDMMCCYY	Date when the subscribed meter was read.	Custom (sub data element 48:15)	48
				Currently is reserved (not available yet)		
				and set to CCYYMMDD		
				Available if RC=0000 & BS in [14]		
Total Electricity	n	11	Zero left-padding	Electricity bill (RPTAG) to be paid	Custom (sub data element	48
Bill (Repeated)				Available if RC=0000 & BS in [14]	48:16)	
Incentive	xn	11		Eletricity bill incentive	Custom (sub data	48

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(Repeated)			syariah mandiri payment online			
·				Available if RC=0000 & BS in [14]	element 48:17)	
				0000000000=ince ntive (Total Electricity		
				bill contains incentive value		
				000000000000=dis centive (Total		
				Electricity bill contains discentive value)		
Value Added	n	10	Zero left-padding	To be used for Jasa Inkaso Calculation	Custom (sub data element	48
Tax* (repeated)				Available if RC=0000 & BS in [14]	48:18)	
Penalty Fee	n	9	Zero left-padding	Penalty fee (RPBK) to be paid	Custom (sub data	48
(repeated)				Available if	element 48:19)	



				RC=0000 & BS in [14]	variah mandiri	payment online
Previous Meter Reading 1 (repeated)	n	8	Zero left-padding	Last month meter reading SLALWBP Available if RC=0000 & BS in [14]	Custom (sub data element 48:20)	48
Current Meter Reading 1 (repeated)	n	8	Zero left-padding	Current month meter reading SAHLWBP	Custom (sub data element 48:21)	48
Previous Meter Reading 2 (repeated)	n	8	Zero left-padding	SLAWBP Available if RC=0000 & BS in [14]	Custom (sub data element 48:22)	48



							syariah mandir	i payment online	
		Current	n	8	Zero left-padding	SAHWBP	Custom (sub data	48	
		Meter				Available if RC=0000 & BS in [14]	element 48:23)		
		Reading 2							
		(repeated)							
		Previous	n	8	Zero left-padding	SLAKVARH	Custom (sub data	48	
		Meter				Available if RC=0000 & BS in [14]	element 48:24)		
		Reading 3							
		(repeated)							
		Current	n	8	Zero left-padding	SAHKVARH	Custom (sub data	48	
		Meter				Available if RC=0000 & BS in	element 48:25)		
		Reading 3				[14]			
		(repeated)							
16	Length Of		n	2		Length of Original	YES	56	



	Original Data					Data Element sy 37	ariah mandir	payment online
	Element							
17	Original Data							
	Element							
		Original MTI	n	4		MTI of Payment 2200	Custom (sub	56
							data element	
							56:1)	
		Original Partner	n	12		Original Switcher Reference Number in	Custom (sub	56
		Central Trace				payment Request message	data element	
		Audit Number					56:2)	
		Original Date & Time Local Transactio	n	4	CCYYMMDDhh m	Original Date & Time Local Transaction in	Custom (sub	56

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	n			mss	payment s) request	variah mandiri	payment online
					message	data element	
						56:3)	
	Original Bank	n	7	Zero left-padding	Original Bank Code in payment request	Custom (sub	56
	Code				message	data element	
						56:4)	

6. Reversal Response Message

Message Type Identifier : 2401 / 2411 Sender : MitraSymphoni

Tujuan : Pembayaran Pembayaran Tagihan

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



1	MTI		n	4		Message Type sy Indicator	ariah mandi	ri payment online
						2410 / 2411= Reversal response	YES	
2	BitMap		h	16		Primary Bit Map 5032004182810000= use field 2, 4 11, 12, 15, 26, 32, 33, 39, 41 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		99501 (Kode Produk Postpaid)	YES	2
5	Transaction Amount		n	16		Must be identical to same field in inquiry response message	YES	4
		ISO Currency Code	n	3		Must be identical to same field in inquiry response message	YES	4
		Currency	n	1		Must be identical to same field in inquiry	YES	4



		Minor Unit				response message	syariah mandiri	payment online
		Value Amount	n	12	Zero left padding	Must be identical to same field in inquiry response message	,	
6	Switcher Trace Audit Number		n	12	Zero left padding	Must be identical to same field in inquiry response message	YES	11
7	Date & Time, Local Transaction		n	14	CCYYMMDDhh mmss	Date time of local transactions	YES	12
8	Merchant Category Code		n	4		Must be identical to same field in inquiry response message		26
9	Length of Bank Code		n	2	Zero left-padding	Must be identical to same field in inquiry response message		32
10	Bank Code		an	7	Zero left-padding	Must be identical to same field in inquiry response message	YES	32



11	Length of partner central	n	2	Zero left-padding	Must be identical to same field in	syariah mandir	i payment online
	ID			, ,	inquiry response message		33
12	Partner Central ID	n	7	Zero left-padding	Must be identical to same field in inquiry response message		33
13	Response Code	n	4		0000=successful	YES	39
	(RC)				0004= ERROR-Unregistered biller	Ė	
					0005= ERROR-Othe	r	
					0006= ERROR-Blocked partner Central		
					0007= ERROR- Blocked Terminal		
					0008= ERROR-Inval access-time	id	
					0011= ERROR-Nedo to sign-on	I	



syariah mandiri payment online
0012= ERROR-Settlement had been done
0013= ERROR-Invalid Transaction Amount
0014= ERROR-Unknown Subscriber
0030= ERROR-Invalid Message
0031= ERROR-Unregistered Bank Code
0032= ERROR-Unregistered Switching
0033= ERROR-Unregistered Product
0034= ERROR-Unregistered terminal



0088= ERROR-Bills already paid 0089= ERROR-Current bill is not available 0090= ERROR-Cut-off is in progress 0092= ERROR-Invalid Switcher Reference Number 0093= ERROR-Invalid Number Central Trace Audit Number 0094= ERROR-Reversal had	0063= ERROR-No payment online
already paid 0089= ERROR-Current bill is not available 0090= ERROR-Cut-off is in progress 0092= ERROR-Invalid Switcher Reference Number 0093= ERROR-Invalid Number Central Trace Audit Number	
ERROR-Current bill is not available 0090= ERROR-Cut-off is in progress 0092= ERROR-Invalid Switcher Reference Number 0093= ERROR-Invalid Number Central Trace Audit Number 0094=	
is in progress 0092= ERROR-Invalid Switcher Reference Number 0093= ERROR-Invalid Number Central Trace Audit Number	ERROR-Current bill is
Switcher Reference Number 0093= ERROR-Invalid Number Central Trace Audit Number 0094=	
0093= ERROR-Invalid Number Central Trace Audit Number 0094=	
Number Central Trace Audit Number 0094=	Number
0094=	
	Trace Audit Number
been done	ERROR-Reversal had

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					0097= system of the system of	ariah mandiri	payment online
					not valid		
14	Terminal ID	ans	16	Zero left-padding	Must be identical to same field in inquiry response message	YES	41
15	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 233 if PS=1	YES	48



						344 if PS=2 s)	variah mandiri	payment online
						455 if PS=3		
						566 if PS=4		
16	Additional Private Data							
		Switcher ID	an	7	Zero left-padding	Must be identical to same field in inquiry response message	Custom (sub data element 48:1)	48
		Subscriber ID	n	12	Space left-padding	Must be identical to same field in inquiry response message	Custom (sub data element 48:2)	48
		Bill Status (BS)	n	1		Status of subscribe bills 1=Biller send 1 bill	Custom (sub data element 48:3)	48
						1=Biller send 2 bills 1=Biller send 3 bills		

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		1=Biller send 4 syariah mandiri payment onlin bills
		Available if RC=0000
Payment n Status (PS)	1	Number of bill will be paid (currently must (sub data element be equal to Bill Status) Valid values [14]
Total n Outstandin g Bill	2	Number of outstanding bills O1=1 total element O1=1 total outstanding bills Nn=nn total outstanding bills Available if RC=0000 and BS in [14]
Switcher an Reference Number	32	Switcher Reference Number Available if RC=0000 Custom (sub data element 48:6)



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				S	yariah mandiri	i payment online
Subscriber Name	an	25	Space right-padding	Nama Pelanggan Available if RC=0000	Custom (sub data element 48:7)	48
Service Unit (SU)	an	5	Space right-padding	Service Unit (KDUP) Available if RC=0000 and BS in [14]	(sub data element	48
Service Unit Phone(SUP)	n	15		Service Unit Phone (SUP) Available if RC=0000 & BS in [14]	Custom (sub data element 48:9)	48
Subscriber Segmentat ion	an	4	Space right- padding	Customer Segmentation Available if RC=0000 & BS in [14]	Custom (sub data element 48:10)	48
Power	n	9	Zero	Power Consuming	Custom	48

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Consumin g Category			left-padding	Category sy Available if RC=0000 & BS in [14]	ariah mandiri (sub data element 48:11)	payment online
Total Admin Charges	n	9	Zero left-padding	Total Administration Charges	Custom (sub data element 48:12)	48
Bill Period (repeated)	n	6	ССҮҮММ	Month and Year (BLTH) of bill to be paid Available if RC=0000 & BS in [14]	Custom (sub data element 48:13)	48
Due Date (repeated)	n	8	DDMMCCYY	Due date of bill payment Available if RC=0000 & BS in [14]	Custom (sub data element 48:14)	48
Meter	n	8	DDMMCCYY	Date when the	Custom	48

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Read Date				subscribed smeter was	syariah mandiri	payment online
(repeated)				read.	(sub data element 48:15)	
				Currently is reserved (not available yet)	40.13)	
				and set to CCYYMMDD		
				Available if RC=0000 & BS in [14]		
Total Electricity Bill (Repeated)	n	11	Zero left-padding	Electricity bill (RPTAG) to be paid Available if RC=0000 & BS in [14]	Custom (sub data element 48:16)	48
Incentive (Repeated)	xn	11		Eletricity bill incentive Available if RC=0000 & BS in [14]	Custom (sub data element 48:17)	48



			sy	ariah mandiri	payment online
			0000000000=ince ntive (Total Electricity		
			bill contains incentive value		
			000000000000=dis centive (Total		
			Electricity bill contains discentive value)		
Value n Added	10	Zero left-padding	To be used for Jasa Inkaso Calculation	Custom (sub data element	48
Tax* (repeated)			Available if RC=0000 & BS in [14]	48:18)	
Penalty n Fee	9	Zero left-padding	Penalty fee (RPBK) to be paid	Custom (sub data	48
(repeated)			Available if RC=0000 & BS in [14]	48:19)	
Fee	9		to be paid Available if RC=0000 & BS in	(sub data element	48

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Previous	n	8	Zero left-padding	Last month meter reading			
Meter				SLALWBP	Custom (sub data	48	
Reading 1				Available if	element 48:20)		
(repeated)				RC=0000 & BS in [14]			
Current	n	8	Zero left-padding	Current month meter reading	Custom (sub data element	48	
Meter				SAHLWBP	48:21)		
Reading 1							
(repeated)							
Previous	n	8	Zero left-padding	SLAWBP	Custom (sub data	48	
Meter				Available if RC=0000 & BS in	element 48:22)		
Reading 2				[14]			
(repeated)							
Current	n	8	Zero left-padding	SAHWBP	Custom (sub data	48	



		Meter				Available if SC=0000 & BS	syariah mandiri	payment online
		Reading 2				in [14]	element 48:23)	
		(repeated)						
		Previous	n	8	Zero left-padding	SLAKVARH	Custom (sub data	48
		Meter Reading 3				Available if RC=0000 & BS in [14]	element 48:24)	
		(repeated)						
		Current Meter Reading 3 (repeated)	n	8	Zero left-padding	SAHKVARH Available if RC=0000 & BS in [14]	Custom (sub data element 48:25)	48
17	Length of original data element		n	2		Length of Original Data Element 37		56
18	Original							



Data Element					sy	ariah mandir	payment online
	Original MTI	n	4		Identical to same field in reversal request message	Custom (sub data element 56:1)	56
	Original Partner Central Trace Audit Number	n	12		Original Switcher Reference Number in payment Request message	Custom (sub data element 56:2)	56
	Original Date & Time Local Transactio n	n	14	CCYYMMDDhh mmss	Identical to same field in reversal request message	Custom (sub data element 56:3)	56



				syariah mandiri payment or			
Original Bank	n	7	Zero left-padding	Identical to same field in reversal request	Custom (sub	56	
Code				message	data element		
					56:4)		

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

SENDING:



RECEIVE:

2110503000418281000005995013600000001784030000068411662014031913342260210745100170745 1020600000000000000047734

PAYMENT SENDING:

2200503000418081000005995013600000001784030000068411662014031913342360210745100170745 1020600000000000477344ST145S3537612266148220245102065376122661489538010000000ASMALI 53761123

PAYMENT RECEIVE:

2210503200418281000005995013600000001784030000068411662014031913342320140319602107451 00170745102060000000000000000477344ST145S35376122661482202451020653761226614895380100 00000ASMALI 53761123