



IRIS

Web Service Specification

Version 1.0

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Revision History

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1 Introduction

This document describes input and output parameters of web service exposed by IRIS.



2 Technical Specification

In this section, description of all the fields pertaining embossing file format is provided.

2.1 Details

All the non-financial transactions are hosted on **IIS Web Server** setup on a Windows based Server Machine (IRIS Suite Server).

Each Non-Financial web method will return response in the form of an xml string. Each response will contain one fixed element, WebMethodResponse, as the first non-root element, which will specify the success or failure of the call:

```
<WebMethodResponse>
  <IsSuccess>1</IsSuccess>
  <ResponseCode>000</ResponseCode>
  <ResponseDescription>Success</ResponseDescription>
</WebMethodResponse>
```

Where:

- IsSuccess element will specify whether the method executed successfully or not. 1 = Success, 0 = Failure.
- ResponseCode element will contain the response code (Refer to appendix D)
- ResponseDescription will contain a concise description of ResponseCode.
- If IsSuccess is 1 in WebMethodResponse element, then rest of the XML will contain valid xml response as per the method specification.

If IsSuccess is 0 in WebMethodResponse element, then rest of the XML response will be empty.

2.2 Communication Protocol:

In this integration IRIS will use **Standard HTTP 1.1 "POST" over TLS** for receiving requests and sending responses between IRIS and Calling Interface.



3 Signatures

3.1 GetCardByReference

3.1.1 Execution Sequence

This function has no pre-requisites & can be directly called.

3.1.2 Input Parameters

Data Element	Attribute	Description & Sample Value
Header Text1	(AN 25)	<u>Fixed Value:</u> INSTITUTION
Header Text2	(AN 25)	<u>Fixed Value:</u> A539033747436ACD76653CB1DD
Transmission Date and Time	CCYYMMDDHHMMSS(N 14)	INSTITUTION System Date/Time <u>Sample:</u> 20091218163755
Transaction Code	(N 5)	<u>Fixed Value :</u> 41001
Transaction Local Date	CCYYMMDD(N 8)	Channel's Date <u>Sample:</u> 20091218
Transaction Local Time	HHMMSS(N 6)	Channel's Time <u>Sample:</u> 163755
Source Channel Type	(N 4)	<u>Fixed Set of Values :</u> 9001 – Channel ID
Destination Channel Type	(N 4)	<u>Fixed Value :</u> 0101
Terminal ID	(AN 20)	Unique ID of Terminal/Teller



		<u>Sample:</u> 12912912
Terminal Name and Location	(AN 40)	Location of Terminal/Teller <u>Sample:</u> ACQUIRER NAME SINGAPORE SG
Retrieval Reference Number	(N 12)	Unique number for a transaction within a day <u>Sample:</u> 909906000435
Institution ID	(N 5)	Institution ID uniquely assigned by IRIS <u>Sample:</u> 0001 – INSTITUTION
Channel Relationship ID	(N 16)	16 digit Card Number for all channels. (All 1's for this web service) <u>Sample:</u> 1111111111111111
Reference Number	(N 16)	Reference Number Assigned to Card

3.1.3 Output Parameters

Data Element	Attribute	Description & Sample Value
Card Number	(N 16)	16 digit Card Number
Expiry	(N 4)	Expiry Date of Card <u>Sample:</u> 1009
Name on Card	AN(25)	Name of the customer embossed on Card <u>Sample:</u> Muhammad Ahmed
Reference Number	(N 16)	Reference Number Assigned to Card
Card Status	(N 2)	<u>Values:</u> 00 – Active 02 – Hot 01 – Warm 03 – Fresh



3.1.4 Expected Response Codes

- 000 = Success
- 415 = Invalid Reference number
- 416 = Reference Already Assigned
- 149 = Invalid Data Type
- 300 = Invalid RRN info
- 301 = Invalid Header
- 302 = System Exception
- 303 = Invalid Transmission Date Time
- 304 = Invalid Transaction Code
- 305 = Invalid Transaction Local Date
- 306 = Invalid Transaction Local Time
- 307 = Invalid Source Channel Type
- 308 = Invalid Destination Channel Type
- 309 = Invalid Terminal ID
- 310 = Invalid Terminal Name Location
- 311 = Invalid Institution Id
- 312 = Invalid Channel Relationship Type
- 313 = Generic Error



3.2 Validate Reference No

3.2.1 Execution Sequence

This function has no pre-requisites & can be directly called.

3.2.2 Input Parameters

Data Element	Attribute	Description & Sample Value
Header Text1	(AN 25)	<u>Fixed Value:</u> INSTITUTION
Header Text2	(AN 25)	<u>Fixed Value:</u> A539033747436ACD76653CB1DD
Transmission Date and Time	CCYYMMDDHHMMSS(N 14)	INSTITUTION System Date/Time <u>Sample:</u> 20091218163755
Transaction Code	(N 5)	<u>Fixed Value :</u> 41001
Transaction Local Date	CCYYMMDD(N 8)	Channel's Date <u>Sample:</u> 20091218
Transaction Local Time	HHMMSS(N 6)	Channel's Time <u>Sample:</u> 163755
Source Channel Type	(N 4)	<u>Fixed Set of Values :</u> 9001 – Channel ID
Destination Channel Type	(N 4)	<u>Fixed Value :</u> 0101
Terminal ID	(AN 20)	Unique ID of Terminal/Teller <u>Sample:</u> 12912912



Terminal Name and Location	(AN 40)	Location of Terminal/Teller <u>Sample:</u> ACQUIRER NAME SINGAPORE SG
Retrieval Reference Number	(N 12)	Unique number for a transaction within a day <u>Sample:</u> 909906000435
Institution ID	(N 5)	Institution ID uniquely assigned by IRIS <u>Sample:</u> 0001 – INSTITUTION
Channel Relationship ID	(N 16)	16 digit Card Number for all channels. (All 1's for this web service) <u>Sample:</u> 1111111111111111
Reference Number	(N 16)	Reference Number Assigned to Card

3.2.3 Output Parameters

Data Element	Attribute	Description & Sample Value
Card Number	(N 16)	16 digit Card Number
Expiry	(N 4)	Expiry Date of Card <u>Sample:</u> 1009
Name on Card	AN(25)	Name of the customer embossed on Card <u>Sample:</u> Muhammad Ahmed
Reference Number	(N 16)	Reference Number Assigned to Card
Card Status	(N 2)	<u>Values:</u> 00 – Active 02 – Hot 01 – Warm 03 – Fresh

3.2.4 Expected Response Codes



- 000 = Success
- 415 = Invalid Reference number
- 416 = Reference Already Assigned
- 149 = Invalid Data Type
- 300 = Invalid RRN info
- 301 = Invalid Header
- 302 = System Exception
- 303 = Invalid Transmission Date Time
- 304 = Invalid Transaction Code
- 305 = Invalid Transaction Local Date
- 306 = Invalid Transaction Local Time
- 307 = Invalid Source Channel Type
- 308 = Invalid Destination Channel Type
- 309 = Invalid Terminal ID
- 310 = Invalid Terminal Name Location
- 311 = Invalid Institution Id
- 312 = Invalid Channel Relationship Type
- 313 = Generic Error



3.3 Get Reference No By PAN

3.3.1 Execution Sequence

This function has no pre-requisites & can be directly called.

3.3.2 Input Parameters

Data Element	Attribute	Description & Sample Value
Header Text1	(AN 25)	<u>Fixed Value:</u> INSTITUTION
Header Text2	(AN 25)	<u>Fixed Value:</u> A539033747436ACD76653CB1DD
Transmission Date and Time	CCYYMMDDHHMMSS(N 14)	INSTITUTION System Date/Time <u>Sample:</u> 20091218163755
Transaction Code	(N 5)	<u>Fixed Value :</u> 41001
Transaction Local Date	CCYYMMDD(N 8)	Channel's Date <u>Sample:</u> 20091218
Transaction Local Time	HHMMSS(N 6)	Channel's Time <u>Sample:</u> 163755
Source Channel Type	(N 4)	<u>Fixed Set of Values :</u> 9001 – Channel ID
Destination Channel Type	(N 4)	<u>Fixed Value :</u> 0101
Terminal ID	(AN 20)	Unique ID of Terminal/Teller <u>Sample:</u> 12912912
Terminal Name and Location	(AN 40)	Location of Terminal/Teller

		<u>Sample:</u> ACQUIRER NAME SINGAPORE SG
Retrieval Reference Number	(N 12)	Unique number for a transaction within a day <u>Sample:</u> 909906000435
Institution ID	(N 5)	Institution ID uniquely assigned by IRIS <u>Sample:</u> 0001 – INSTITUTION
Channel Relationship ID	(N 16)	16 digit Card Number for all channels. (All 1's for this web service) <u>Sample:</u> 1111111111111111
PAN	(N 16)	Card Number

3.3.3 Output Parameters

Data Element	Attribute	Description & Sample Value
Card Number	(N 16)	16 digit Card Number
Expiry	(N 4)	Expiry Date of Card <u>Sample:</u> 1009
Name on Card	AN(25)	Name of the customer embossed on Card <u>Sample:</u> Muhammad Ahmed
Reference Number	(N 16)	Reference Number Assigned to Card
Card Status	(N 2)	<u>Values:</u> 00 – Active 02 – Hot 01 – Warm 03 – Fresh

3.3.4 Expected Response Codes

- 000 = Success



- 415 = Invalid Reference number
- 416 = Reference Already Assigned
- 149 = Invalid Data Type
- 300 = Invalid RRN info
- 301 = Invalid Header
- 302 = System Exception
- 303 = Invalid Transmission Date Time
- 304 = Invalid Transaction Code
- 305 = Invalid Transaction Local Date
- 306 = Invalid Transaction Local Time
- 307 = Invalid Source Channel Type
- 308 = Invalid Destination Channel Type
- 309 = Invalid Terminal ID
- 310 = Invalid Terminal Name Location
- 311 = Invalid Institution Id
- 312 = Invalid Channel Relationship Type
- 313 = Generic Error

3.4 GetCardByCNIC

3.4.1 Execution Sequence

This function has no pre-requisites & can be directly called.

3.4.2 Input Parameters

Data Element	Attribute	Description & Sample Value
Header Text1	(AN 25)	<u>Fixed Value:</u> INSTITUTION
Header Text2	(AN 25)	<u>Fixed Value:</u> A539033747436ACD76653CB1DD
Transmission Date and Time	CCYYMMDDHHMMSS(N 14)	INSTITUTION System Date/Time <u>Sample:</u> 20091218163755
Transaction Code	(N 5)	<u>Fixed Value :</u> 41001
Transaction Local Date	CCYYMMDD(N 8)	Channel's Date <u>Sample:</u> 20091218
Transaction Local Time	HHMMSS(N 6)	Channel's Time <u>Sample:</u> 163755
Source Channel Type	(N 4)	<u>Fixed Set of Values :</u> 9001 – Channel ID
Destination Channel Type	(N 4)	<u>Fixed Value :</u> 0101
Terminal ID	(AN 20)	Unique ID of Terminal/Teller <u>Sample:</u> 12912912

Terminal Name and Location	(AN 40)	Location of Terminal/Teller <u>Sample:</u> ACQUIRER NAME SINGAPORE SG
Retrieval Reference Number	(N 12)	Unique number for a transaction within a day <u>Sample:</u> 909906000435
Institution ID	(N 5)	Institution ID uniquely assigned by IRIS <u>Sample:</u> 0001 – INSTITUTION
Channel Relationship ID	(N 16)	16 digit Card Number for all channels. (All 1's for this web service) <u>Sample:</u> 1111111111111111
CNIC	(N 20)	CNIC of Customer

3.4.3 Output Parameters

Data Element	Attribute	Description & Sample Value
Card Number	(N 16)	16 digit Card Number
Expiry	(N 4)	Expiry Date of Card <u>Sample:</u> 1009
Name on Card	AN(25)	Name of the customer embossed on Card <u>Sample:</u> Muhammad Ahmed
Reference Number	(N 16)	Reference Number Assigned to Card
Card Status	(N 2)	<u>Values:</u> 00 – Active 02 – Hot 01 – Warm 03 – Fresh

3.4.4 Expected Response Codes



- 000 = Success
- 415 = Invalid Reference number
- 416 = Reference Already Assigned
- 149 = Invalid Data Type
- 300 = Invalid RRN info
- 301 = Invalid Header
- 302 = System Exception
- 303 = Invalid Transmission Date Time
- 304 = Invalid Transaction Code
- 305 = Invalid Transaction Local Date
- 306 = Invalid Transaction Local Time
- 307 = Invalid Source Channel Type
- 308 = Invalid Destination Channel Type
- 309 = Invalid Terminal ID
- 310 = Invalid Terminal Name Location
- 311 = Invalid Institution Id
- 312 = Invalid Channel Relationship Type
- 313 = Generic Error



3.5 LinkCardToWallet

3.5.1 Execution Sequence

Validate Reference No->LinkCardToWallet.

3.5.2 Input Parameters:

Data Element	Attribute	Description & Sample Value
Header Text1	(AN 25)	<u>Fixed Value:</u> INSTITUTION
Header Text2	(AN 25)	<u>Fixed Value:</u> A539033747436ACD76653CB1DD
Transmission Date and Time	CCYYMMDDHHMMSS(N 14)	INSTITUTION System Date/Time <u>Sample:</u> 20091218163755
Transaction Code	(N 5)	<u>Fixed Value :</u> 41001
Transaction Local Date	CCYYMMDD(N 8)	Channel's Date <u>Sample:</u> 20091218
Transaction Local Time	HHMMSS(N 6)	Channel's Time <u>Sample:</u> 163755
Source Channel Type	(N 4)	<u>Fixed Set of Values :</u> 9001 – Channel ID
Destination Channel Type	(N 4)	<u>Fixed Value :</u> 0101
Terminal ID	(AN 20)	Unique ID of Terminal/Teller <u>Sample:</u> 12912912
Terminal Name and Location	(AN 40)	Location of Terminal/Teller

		<u>Sample:</u> ACQUIRER NAME SINGAPORE SG
Retrieval Reference Number	(N 12)	Unique number for a transaction within a day <u>Sample:</u> 909906000435
Institution ID	(N 5)	Institution ID uniquely assigned by IRIS <u>Sample:</u> 0001 – INSTITUTION
Channel Relationship ID	(N 16)	16 digit Card Number for all channels. <u>Sample:</u> 1234567891234589
Reference Number	(N 16)	Reference Number Assigned to Card
Wallet ID	(N 20)	Wallet id to be Linked
Title	(AN 3)	e.g. Mr/Mrs
Full Name	(AN 40)	Full Name of the Cardholder
Date of birth	(N 8)	Date of birth in CCYYMMDD format
Mother's maiden name	(AN 40)	Mother's Maiden Name (before marriage) of the Customer.
Address 1	(AN 30)	Address line 1
Address 2	(AN 30)	Address line 2
Address 3	(AN 30)	Address line 3
Address 4	(AN 30)	Address line 4
Residential Postal Code	(N 10)	Residential Postal Code of the Cardholder.
Residential Phone Number	(N 15)	Residential Phone Number of the Cardholder
Email address	(AN 40)	Email Address of the Cardholder e.g. name@domain.com
Company Name	(AN 40)	Cardholder's company name
Office Address1	(AN 40)	Cardholder's office address
Office Address2	(AN 40)	Cardholder's office address
Office Address3	(AN 40)	Cardholder's office address
Office Address4	(AN 40)	Cardholder's office address
Office Address5	(AN 40)	Cardholder's office address
Office Postal Code	(N 10)	Cardholder's postal code. Valid value is between 2000-4999
Office Phone Number	(N 15)	Cardholder's Office Phone Number
Mobile Number	(N 15)	Cardholder's Mobile Number
Host Customer Number	(N 15)	Filled with spaces
Billing Address Flag	(AN 1)	H = HOME, O = OFFICE If not specified, H would be assumed
Activation Date	(N 8)	Member since (CCYYMMDD format)
Passport No	(AN 20)	Passport Number of the Cardholder, mandatory for Non Pakistani
Nationality	(AN 40)	1. "Pakistani" 2. "Non Pakistani "
Father's Name	(AN 40)	



CNIC	(AN 20)	CNIC of Customer
Account HolderId	(N 20)	Unquie ID of Customer Generated by M-Wallet Host

3.5.3 Expected Response Codes

- 000 = Success
- 107 = Wallet ID already registered
- 108 = Invalid Card Expiry Date
- 109 = Invalid Card Number
- 119 = Card is already Linked
- 120 = Personalized Card cannot be linked
- 121 = CNIC Already Exists
- 124 = Card cannot be activated as PIN is empty
- 149 = Invalid Data Type
- 300 = Invalid RRN info
- 301 = Invalid Header
- 302 = System Exception
- 303 = Invalid Transmission Date Time
- 304 = Invalid Transaction Code
- 305 = Invalid Transaction Local Date
- 306 = Invalid Transaction Local Time
- 307 = Invalid Source Channel Type
- 308 = Invalid Destination Channel Type
- 309 = Invalid Terminal ID
- 310 = Invalid Terminal Name Location
- 311 = Invalid Institution Id
- 312 = Invalid Channel Relationship Type
- 313 = Generic Error
- 314 = Customer Already has Active Card



3.6 CreatePersonalizeCard

3.6.1 Execution Sequence

Validate Reference No->LinkCardToWallet.

3.6.2 Input Parameters:

Data Element	Attribute	Description & Sample Value
Header Text1	(AN 25)	<u>Fixed Value:</u> INSTITUTION
Header Text2	(AN 25)	<u>Fixed Value:</u> A539033747436ACD76653CB1DD
Transmission Date and Time	CCYYMMDDHHMMSS(N 14)	INSTITUTION System Date/Time <u>Sample:</u> 20091218163755
Transaction Code	(N 5)	<u>Fixed Value :</u> 41001
Transaction Local Date	CCYYMMDD(N 8)	Channel's Date <u>Sample:</u> 20091218
Transaction Local Time	HHMMSS(N 6)	Channel's Time <u>Sample:</u> 163755
Source Channel Type	(N 4)	<u>Fixed Set of Values :</u> 9001 – Channel ID
Destination Channel Type	(N 4)	<u>Fixed Value :</u> 0101
Terminal ID	(AN 20)	Unique ID of Terminal/Teller <u>Sample:</u> 12912912
Terminal Name and Location	(AN 40)	Location of Terminal/Teller

		<u>Sample:</u> ACQUIRER NAME SINGAPORE SG
Retrieval Reference Number	(N 12)	Unique number for a transaction within a day <u>Sample:</u> 909906000435
Institution ID	(N 5)	Institution ID uniquely assigned by IRIS <u>Sample:</u> 0001 – INSTITUTION
Channel Relationship ID	(N 16)	16 digit Card Number for all channels. <u>Sample:</u> 1234567891234589
ProductCode	(N 4)	Four Diigit Product Code: 0001 – SIMBASED Product 0002 – SIMLESS Product
Wallet ID	(N 20)	Wallet id to be Linked
Title	(AN 3)	e.g. Mr/Mrs
Full Name	(AN 40)	Full Name of the Cardholder
Date of birth	(N 8)	Date of birth in CCYYMMDD format
Mother's maiden name	(AN 40)	Mother's Maiden Name (before marriage) of the Customer.
Address 1	(AN 30)	Address line 1
Address 2	(AN 30)	Address line 2
Address 3	(AN 30)	Address line 3
Address 4	(AN 30)	Address line 4
Residential Postal Code	(N 10)	Residential Postal Code of the Cardholder.
Residential Phone Number	(N 15)	Residential Phone Number of the Cardholder
Email address	(AN 40)	Email Address of the Cardholder e.g. name@domain.com
Company Name	(AN 40)	Cardholder's company name
Office Address1	(AN 40)	Cardholder's office address
Office Address2	(AN 40)	Cardholder's office address
Office Address3	(AN 40)	Cardholder's office address
Office Address4	(AN 40)	Cardholder's office address
Office Address5	(AN 40)	Cardholder's office address
Office Postal Code	(N 10)	Cardholder's postal code. Valid value is between 2000-4999
Office Phone Number	(N 15)	Cardholder's Office Phone Number
Mobile Number	(N 15)	Cardholder's Mobile Number
Host Customer Number	(N 15)	Filled with spaces
Billing Address Flag	(AN 1)	H = HOME, O = OFFICE If not specified, H would be assumed
Activation Date	(N 8)	Member since (CCYYMMDD format)
Passport No	(AN 20)	Passport Number of the Cardholder, mandatory for Non Pakistani
Nationality	(AN 40)	3. "Pakistani"



		4. "Non Pakistani "
Father's Name	(AN 40)	
CNIC	(AN 20)	CNIC of Customer
Account HolderId	(N 20)	Unquie ID of Customer Generated by M-Wallet Host
IsVIP	(N 1)	0 for Normal 1 for VIP

3.6.3 Expected Response Codes

- 000 = Success
- 107 = Wallet ID already registered
- 108 = Invalid Card Expiry Date
- 109 = Invalid Card Number
- 119 = Card is already Linked
- 120 = Personalized Card cannot be linked
- 121 = CNIC Already Exists
- 124 = Card cannot be activated as PIN is empty
- 149 = Invalid Data Type
- 300 = Invalid RRN info
- 301 = Invalid Header
- 302 = System Exception
- 303 = Invalid Transmission Date Time
- 304 = Invalid Transaction Code
- 305 = Invalid Transaction Local Date
- 306 = Invalid Transaction Local Time
- 307 = Invalid Source Channel Type
- 308 = Invalid Destination Channel Type
- 309 = Invalid Terminal ID
- 310 = Invalid Terminal Name Location
- 311 = Invalid Institution Id
- 312 = Invalid Channel Relationship Type
- 313 = Generic Error



- 314 = Customer Already has Active Card

3.7 CardStatusChange

3.7.1 Execution Sequence

GetCardByReference->CardStatusChange.

3.7.2 Input Parameters

Data Element	Attribute	Description & Sample Value
Header Text1	(AN 25)	<u>Fixed Value:</u> INSTITUTION
Header Text2	(AN 25)	<u>Fixed Value:</u> A539033747436ACD76653CB1DD
Transmission Date and Time	CCYYMMDDHHMMSS(N 14)	INSTITUTION System Date/Time <u>Sample:</u> 20091218163755
Transaction Code	(N 5)	<u>Fixed Value :</u> 41001
Transaction Local Date	CCYYMMDD(N 8)	Channel's Date <u>Sample:</u> 20091218
Transaction Local Time	HHMMSS(N 6)	Channel's Time <u>Sample:</u> 163755
Source Channel Type	(N 4)	<u>Fixed Set of Values :</u> 9001 _ Channel ID
Destination Channel Type	(N 4)	<u>Fixed Value :</u> 0101
Terminal ID	(AN 20)	Unique ID of Terminal/Teller <u>Sample:</u> 12912912
Terminal Name and Location	(AN 40)	Location of Terminal/Teller



		<u>Sample:</u> ACQUIRER NAME SINGAPORE SG
Retrieval Reference Number	(N 12)	Unique number for a transaction within a day <u>Sample:</u> 909906000435
Institution ID	(N 5)	Institution ID uniquely assigned by IRIS <u>Sample:</u> 0001 – INSTITUTION
Channel Relationship ID	(N 16)	16 digit Card Number for all channels. <u>Sample:</u> 1234567891234589
Reference Number	(N 16)	Reference Number Assigned to Card
Status	(N 4)	0071 – Active 0171 – Warm – Temporarily Block 0172 – Warm – Card Lost Complaint 0271 – Hot – Permanent Block

3.7.3 Expected Response Codes

- 000 = Success
- 107 = Incompatible status
- 108 = Invalid Card Expiry Date
- 109 = Invalid Card Number
- 119 = Card is already Active
- 120 = Card is already Warm
- 121 = Card is already Hot
- 124 = Card cannot be activated as PIN is empty
- 149 = Invalid Card Status Reason
- 300 = Invalid RRN info
- 301 = Invalid Header
- 302 = System Exception
- 303 = Invalid Transmission Date Time
- 304 = Invalid Transaction Code
- 305 = Invalid Transaction Local Date



- 306 = Invalid Transaction Local Time
- 307 = Invalid Source Channel Type
- 308 = Invalid Destination Channel Type
- 309 = Invalid Terminal ID
- 310 = Invalid Terminal Name Location
- 311 = Invalid Institution Id
- 312 = Invalid Channel Relationship Type



3.8 CardReplace

3.8.1 Execution Sequence

GetCardByReference-> CardStatusChange ->CardReplace.

3.8.2 Input Parameters

Data Element	Attribute	Description & Sample Value
Header Text1	(AN 25)	<u>Fixed Value:</u> INSTITUTION
Header Text2	(AN 25)	<u>Fixed Value:</u> A539033747436ACD76653CB1DD
Transmission Date and Time	CCYYMMDDHHMMSS(N 14)	INSTITUTION System Date/Time <u>Sample:</u> 20091218163755
Transaction Code	(N 5)	<u>Fixed Value :</u> 41001
Transaction Local Date	CCYYMMDD(N 8)	Channel's Date <u>Sample:</u> 20091218
Transaction Local Time	HHMMSS(N 6)	Channel's Time <u>Sample:</u> 163755
Source Channel Type	(N 4)	<u>Fixed Set of Values :</u> 9001 – Channel ID
Destination Channel Type	(N 4)	<u>Fixed Value :</u> 0101
Terminal ID	(AN 20)	Unique ID of Terminal/Teller <u>Sample:</u> 12912912

Terminal Name and Location	(AN 40)	Location of Terminal/Teller <u>Sample:</u> ACQUIRER NAME SINGAPORE SG
Retrieval Reference Number	(N 12)	Unique number for a transaction within a day <u>Sample:</u> 909906000435
Institution ID	(N 5)	Institution ID uniquely assigned by IRIS <u>Sample:</u> 0001 – INSTITUTION
Channel Relationship ID	(N 16)	16 digit Card Number for all channels. <u>Sample:</u> 1234567891234589
Reference Number	(N 16)	Reference Number Assigned to Card
Title	(AN 3)	e.g. Mr/Mrs
Full Name	(AN 40)	Full Name of the Cardholder
Date of birth	(N 8)	Date of birth in CCYYMMDD format
Mother's maiden name	(AN 40)	Mother's Maiden Name (before marriage) of the Customer.
Address 1	(AN 30)	Address line 1
Address 2	(AN 30)	Address line 2
Address 3	(AN 30)	Address line 3
Address 4	(AN 30)	Address line 4
Residential Postal Code	(N 10)	Residential Postal Code of the Cardholder.
Residential Phone Number	(N 15)	Residential Phone Number of the Cardholder
Email address	(AN 40)	Email Address of the Cardholder e.g. name@domain.com
Company Name	(AN 40)	Cardholder's company name
Office Address1	(AN 40)	Cardholder's office address
Office Address2	(AN 40)	Cardholder's office address
Office Address3	(AN 40)	Cardholder's office address
Office Address4	(AN 40)	Cardholder's office address
Office Address5	(AN 40)	Cardholder's office address
Office Postal Code	(N 10)	Cardholder's postal code. Valid value is between 2000-4999
Office Phone Number	(N 15)	Cardholder's Office Phone Number
Mobile Number	(N 15)	Cardholder's Mobile Number
Host Customer Number	(N 15)	Filled with spaces
Billing Address Flag	(AN 1)	H = HOME, O = OFFICE If not specified, H would be assumed
Passport No	(AN 20)	Passport Number of the Cardholder, mandatory for Non Pakistani
Nationality	(AN 40)	5. "Pakistani" 6. "Non Pakistani "
Father's Name	(AN 40)	



3.8.3 Output Parameters

Data Element	Attribute	Description & Sample Value
Reference Number	(N 16)	Reference Number Assigned to Card
Wallet ID	(N 20)	Wallet ID of replaced card that would remain same as the previous one.
Response Code	(N 3)	See Section 3.4.4 for details

3.8.4 Expected Response Codes

- 000 = Success
- 108 = Invalid old Card Expiry Date
- 109 = Invalid Existing Card Number
- 149 = Invalid Data Type
- 300 = Invalid RRN info
- 301 = Invalid Header
- 302 = System Exception
- 303 = Invalid Transmission Date Time
- 304 = Invalid Transaction Code
- 305 = Invalid Transaction Local Date
- 306 = Invalid Transaction Local Time
- 307 = Invalid Source Channel Type
- 308 = Invalid Destination Channel Type
- 309 = Invalid Terminal ID
- 310 = Invalid Terminal Name Location
- 311 = Invalid Institution Id
- 312 = Invalid Channel Relationship Type



3.9 CustomerDemographicUpdate

3.9.1 Execution Sequence

No Pre-requisite call for this method

3.9.2 Input Parameters:

Data Element	Attribute	Description & Sample Value
Header Text1	(AN 25)	<u>Fixed Value:</u> INSTITUTION
Header Text2	(AN 25)	<u>Fixed Value:</u> A539033747436ACD76653CB1DD
Transmission Date and Time	CCYYMMDDHHMMSS(N 14)	INSTITUTION System Date/Time <u>Sample:</u> 20091218163755
Transaction Code	(N 5)	<u>Fixed Value :</u> 41001
Transaction Local Date	CCYYMMDD(N 8)	Channel's Date <u>Sample:</u> 20091218
Transaction Local Time	HHMMSS(N 6)	Channel's Time <u>Sample:</u> 163755
Source Channel Type	(N 4)	<u>Fixed Set of Values :</u> 9001 – Channel ID
Destination Channel Type	(N 4)	<u>Fixed Value :</u> 0101
Terminal ID	(AN 20)	Unique ID of Terminal/Teller <u>Sample:</u> 12912912
Terminal Name and Location	(AN 40)	Location of Terminal/Teller <u>Sample:</u>

		ACQUIRER NAME SINGAPORE SG
Retrieval Reference Number	(N 12)	Unique number for a transaction within a day <u>Sample:</u> 909906000435
Institution ID	(N 5)	Institution ID uniquely assigned by IRIS <u>Sample:</u> 0001 – INSTITUTION
Channel Relationship ID	(N 16)	16 digit Card Number for all channels. <u>Sample:</u> 1234567891234589
Reference Number	(N 16)	Reference Number Assigned to Card
Wallet ID	(N 20)	Wallet id to be Linked
Title	(AN 3)	e.g. Mr/Mrs
Full Name	(AN 40)	Full Name of the Cardholder
Date of birth	(N 8)	Date of birth in CCYYMMDD format
Mother's maiden name	(AN 40)	Mother's Maiden Name (before marriage) of the Customer.
Address 1	(AN 30)	Address line 1
Address 2	(AN 30)	Address line 2
Address 3	(AN 30)	Address line 3
Address 4	(AN 30)	Address line 4
Residential Postal Code	(N 10)	Residential Postal Code of the Cardholder.
Residential Phone Number	(N 15)	Residential Phone Number of the Cardholder
Email address	(AN 40)	Email Address of the Cardholder e.g. name@domain.com
Company Name	(AN 40)	Cardholder's company name
Office Address1	(AN 40)	Cardholder's office address
Office Address2	(AN 40)	Cardholder's office address
Office Address3	(AN 40)	Cardholder's office address
Office Address4	(AN 40)	Cardholder's office address
Office Address5	(AN 40)	Cardholder's office address
Office Postal Code	(N 10)	Cardholder's postal code. Valid value is between 2000-4999
Office Phone Number	(N 15)	Cardholder's Office Phone Number
Mobile Number	(N 15)	Cardholder's Mobile Number
Host Customer Number	(N 15)	Filled with spaces
Billing Address Flag	(AN 1)	H = HOME, O = OFFICE If not specified, H would be assumed
Activation Date	(N 8)	Member since (CCYYMMDD format)
Passport No	(AN 20)	Passport Number of the Cardholder, mandatory for Non Pakistani
Nationality	(AN 40)	7. "Pakistani" 8. "Non Pakistani "
Father's Name	(AN 40)	
CNIC	(AN 20)	CNIC of Customer



Account HolderId	(N 20)	Unquie ID of Customer Generated by M-Wallet Host
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3.9.3 Expected Response Codes

- 000 = Success
- 415 = Invalid Reference number
- 149 = Invalid Data Type
- 300 = Invalid RRN info
- 301 = Invalid Header
- 302 = System Exception
- 303 = Invalid Transmission Date Time
- 304 = Invalid Transaction Code
- 305 = Invalid Transaction Local Date
- 306 = Invalid Transaction Local Time
- 307 = Invalid Source Channel Type
- 308 = Invalid Destination Channel Type
- 309 = Invalid Terminal ID
- 310 = Invalid Terminal Name Location
- 311 = Invalid Institution Id
- 312 = Invalid Channel Relationship Type
- 313 = Generic Error