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dsiPDCX
Card Lookup Request
XML Specification
Supplement 8

V01.42

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Revision History

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00.02	09 Dec 2010	<ul style="list-style-type: none">• Incorporated <TranType> and <PadType> tags for 'SecureDeviceInit' Admin transaction.
00.03	10 Dec 2010	<ul style="list-style-type: none">• Incorporated advice on Check and EBT transaction capability
01.00	26 May 2011	<ul style="list-style-type: none">• Formal Release• Added configuration and data flow information for VFI Vx810 support• Added new values for <PadType> and <SecureDevice>
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01.15	20 Apr 2012	<ul style="list-style-type: none">• Added configuration and data flow information for VivoPay 4500m support
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8.0 Card Lookup Requests

8.1 Card Capabilities – BIN Lookup

Use: To get a definition of capabilities of a card by its account number. (See notes)

XML Template: CardLookup

```
<?xml version="1.0"?>
<TStream>
  <Transaction>
    <IpAddress>999.999.999.999</IpAddress>
    <IpPort>99999</IpPort>
    <MerchantID>MerchantID</MerchantID>
    <TerminalID>TerminalID</TerminalID>
    <OperatorID>OperatorID</OperatorID>
    <TranType>CardLookup</TranType>
    <SecureDevice>ValidSecureDeviceID</SecureDevice>
    <ComPort>ComPort</ComPort>
    <Account>
      <AcctNo>SecureDevice</AcctNo>
    </Account>
  </Transaction>
</TStream>
```

Element	Req	Min	Max	Type	Description
IpAddress	O	7	15	AN	IP address of server to use for this transaction. This address will override the addresses obtained via ServerIPConfig.
IpPort	O	1	5	N	IP port number on server to use for this transaction. If omitted, default port is 9000.
MerchantID	Y	1	24	AN	Merchant identification assigned by processor.
TerminalID	O	1	24	AN	For general use Terminal ID data must be supplied in this tag only if provided by the processor or merchant service provider; otherwise this tag should not be included. For reversal support with selected processors Use a unique POS workstation number (exactly 3 digits 000-999) for multi-workstation locations. See 1.3.7.
OperatorID	Y	1	10	N	Operator (clerk, server, etc.) associated with the Transaction.
TranType	Y	1	20	A	"CardLookup"
SecureDevice	Y	1	40	AN	Secure Device type. See Sections 1.1 and 1.3.3.3 of dsiPDCX Core Integration Specification for ValidSecureDeviceID values.
ComPort	Y	1	3	N	The true RS-232 serial port or virtual serial port for USB devices that use a virtual serial port driver. Port number to

					which SecureDevice is attached (0-255).
Account:AcctNo	Y	1	16	AN	To use the attached SecureDevice for MSR input of cardholder data, use value 'SecureDevice' To use the PC keyboard or attached SecureDevice for manual input of cardholder data, use value 'Prompt'

8.2 Card Lookup Response:

```

<?xml version="1.0"?>
<RStream>
  <CmdResponse>
    <ResponseOrigin>ResponseOrigin</ResponseOrigin>
    <DSIXReturnCode>DSIXReturnCode</DSIXReturnCode>
    <CmdStatus>CmdStatus</CmdStatus>
    <TextResponse>TextResponse</TextResponse>
    <UserTraceData>UserTraceData</UserTraceData>
    <SequenceNo>SequenceNo</SequenceNo>
  </CmdResponse>
  <TranResponse>
    <MerchantID>MerchantID</MerchantID>
    <TerminalID>TerminalID</TerminalID>
    <AcctNo>AcctNo</AcctNo>
    <CardUsage>CardUsage</CardUsage>
    <CardType>CardType</CardType>
    <TranType>TranType</TranType>
  </TranResponse>
</RStream>

```

Element	Return	Min	Max	Type	Description
ResponseOrigin	Y	1	10	A	Indicates the source of the response: "Client" = generated by DSIClientX control "Server" = generated by Datacap server "Processor" = generated by payment processor
DSIXReturnCode	Y	6	6	N	Six digit return code which identifies the error type. See Section 3 on error codes for possible values
CmdStatus	Y	1	10	A	Indicates the outcome of the command: "Approved" = transaction approved by payment processor "Error" = error processing command. Check DSIXReturnCode and TextResponse for additional info on error
TextResponse	Y	1	40	AN	For Successful responses, this field will contain the text "SUCCESSFUL LOOKIP". For other response codes, see Section 3 on Error Codes for values.
UserTraceData	O	0	40	AN	Echo of data supplied by the user system in the request; for use by the user system for internal tracking. May be null if no user system data was supplied in the request
SequenceNo	O	1	20	N	Transaction sequence number (included in Canadian Debit transaction responses)
MerchantID	O	1	24	AN	Merchant identification assigned by processor.
TerminalID	O	0	24	AN	For general use Terminal ID data must be supplied in this tag only if provided by the processor or merchant service provider; otherwise this tag should not be included.

					For reversal support with selected processors Use a unique POS workstation number (exactly 3 digits 000-999) for multi-workstation locations. See 1.3.7.
AcctNo	Y	1	19	N	Cardholder Account number.
CardUsage	Y	4	20	AN	"FSA", "DEBIT", "OTHER"
CardType	Y	3	20	AN	"VISA" "M/C" "AMEX" "DCLB" "DCVR" "JCB" "OTHER"
TranType	Y	1	20	A	"CardLookup"

Note:

BIN Range verification is not required to perform payment transactions for credit cards – any card may be submitted for payment authorization – however the merchant may incur charges unnecessarily for indiscriminant processing. Integrators should implement support for the BIN Lookup function to determine what the compatibilities and capabilities of a particular card are before submitting a payment processing transaction request.

Important Integration Note:

Not all versions of NETePay provide BIN Lookup support – your integration should attempt BIN Lookup but continue with normal transaction processing in the event that the BIN Lookup fails. The tables in the last chapter of this document indicate which versions of NETePay support BIN Lookup.