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Banking Technology***

Hyderabad

NEFT Message Formats



TATA CONSULTANCY SERVICES

FEBRUARY 2010

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1 Message for transmitting NEFT credit lists to Bank Gateway - IFN298N02

M/O	Field No	Field Name	Contents / Options	Description
M	2020	Transaction Reference Number	16x	Uniquely identifies the message.
M	3535	Batch Time	4!n	It is the netting batch time whose settlement resulted in this inward credit.
M	5180	Total # of transactions	8n	Total # of transactions (loops) in the message
M	4110	Total amount	19d	Sum of Amounts in loops
Repeating Group Begins				
M	2020	Transaction Reference Number	16x	Uniquely identifies the transaction (loop). It is the transaction reference specified by the sender in originating 298N06 message.
O	2006	Related Reference Number	16x	Transaction reference of the original N02 message that is returned through N07, for which this N02 is created. This is populated only when an N02 is created because of an N07 message.
M	5756	Sending branch's IFSC	4!a4!c[3!c]	Sending branch's IFSC
O	6305	Sending customer a/c type	2!c	Sender's account type.
M	6021	Sending customer a/c #	35x	Sender's account Number
M	6091	Sending customer a/c name	50x	Sender's account name
M	7002	Originator of Remittance	4*35x	
M	5569	Beneficiary branch's IFSC	4!a4!c[3!c]	Recipient branch's IFSC
O	6310	Beneficiary customer a/c type	2!c	Receiving customer's account type
M	6061	Beneficiary customer a/c #	35x	Receiving customer account Number
M	6081	Beneficiary customer a/c	50x	Receiving customer's account name

		name		
O	5565	Beneficiary customer address	4*35x	Beneficiary customer address
O	7495	Remittance information	6*35x	Information on remittance given by the sending customer
O	6346	Reason Code	3!x	It is the reason code for which an initial N02 message was returned. This is populated only when an N02 is created because of an N07 message.
O	6366	Rejection Reason	50x	Description of the reason for return. This is populated only when an N02 is created because of an N07 message.
M	4038	Amount	19d	Value of the remittance
M	3380	Value Date	8!n	Date on which settlement has taken place
M	3375	Remittance Date	8!n	Date on which the sender branch initiated the remittance.
Repeating Group Ends				

Note: The message 298N02 is received from RBI after the netting process is completed. The message is sent to the beneficiary bank's service center from where it reaches the final beneficiary branch. The branch that initiates the outward debit (298N06) or return transaction (298N07) would not receive any message if the messages were accepted at RBI. The beneficiary bank will receive only 298N02 message irrespective of the debiting bank is sending a 298N06 or 298N07 message. The only difference between a 298N02 received for a 298N06 or 298N07 message is presence of fields 2006(Related Reference Number), 6346 (reason code) and 6366 (Rejection Reason) in a 298N02 message that is received because of a return transaction (298N07).

2 Outward Debit Messages from NEFT Branches IFN298N06

M/O	Field No	Field Name	Contents / Options	Description
M	2020	Transaction Reference Number	16x	Uniquely identifies the message .
O	3535	Batch Time	4!n	Batch Time. The field is optional but if specified it must be either 1030 or 1200 or 1600.
M	1106	Total number of loops in the message	5n	Number of transactions(loops) in the message
M	4063	Sum of Amounts	19d	Sum of all amounts in the loops
Repeating Group Begins				
M	2020	Transaction Reference Number	16x	Uniquely identifies the transaction (loop)
M	4038	Amount	19d	Value of the remittance
M	3380	Value Date	8!n	Date on which settlement takes place. It can be only the current date.
M	5756	Sending branch's IFSC	4!a4!c[3!c]	Sending branch's IFSC. The IFSC must be SFMS Enabled only.
O	6305	Sending Customer Account Type	2!C	Sender's account type Allowed values are 10 - SAVINGS BANK 11 - CURRENT ACCOUNT 13 - CASH CREDIT 14 - LOAN ACCOUNT 12 - Overdraft 40 – NRE 50 – Remittance for Customer not having account in bank 51- Indo Nepal Remittance 52 – Card to Card Payments
M	6021	Sending Customer Account Number	35x	Sender's account Number
M	6091	Sending Customer Account Name	50x	Sender's account name
O	5629	Sending Customer Mobile No/Email Id	3!c 62z	Sender's mobile number or e-mail id. 3!c should be either SMS or EML only 62z contains e-mail id or mobile number Mobile number should be at least 10 digits
M	7002	Originator of Remittance	4*35	

M	5569	Beneficiary branch's IFSC	4!a4!c[3!c]	Recipient branch's IFSC The IFSC must be SFMS Enabled only. IF Val (6305) = 51 Then Val (5569) = SBIN0004430
O	6310	Beneficiary Customer Account Type	2!C	Receiving customer's account type Allowed values are 10 - SAVINGS BANK 11 - CURRENT ACCOUNT 13 - CASH CREDIT 14 - LOAN ACCOUNT 12 - Overdraft 40 – NRE
M	6061	Beneficiary Customer Account Number	35x	Beneficiary Customer Account Number IF Val (6305) = 51 Then Val (6061) = 2399468044302
M	6081	Beneficiary Customer Account Name	50x	Receiving customer's account name
O	5565	Beneficiary Customer Address	4*35x	Beneficiary customer address
O	7495	Sender to Receiver Information	6*35x	Remittance Information from sender to receiver
Repeating Group Ends				

Note: The 298N06 message is the first message to initiate an NEFT transaction. It is generated from the branch that receives a funds transfer request from their customer to a customer in different bank. All the 298N06 messages are to be sent to the service center branch of the bank. At the service center bank, the NEFT application will consolidate the individual transactions from the branches into a bigger message of 10 loops and sends the message to RBI NEFT center by allocating the next available batch. If the batch time is specified by the branch in the 298N06 message then the message will be released to RBI to settle in the batch specified.

The 298N06 messages that are received by the NEFT application at the service center can be rejected / rescheduled for various reasons. The NEFT application in this case would release a 298N09 message to the branch that initiates the transaction. The banks have to take care that the core banking application does not reject the transaction that receive a 298N09 message with a reschedule reason code.

The reason codes that are used for rescheduling at the Bank's service center are:

- 101 – Late arrival at SC (This rejection is received when a transaction is received by the service center branch after the batch time specified in the 298N06 message)
- 107 – Past Value Date
- 108 – Holiday at Service Center

3 Return Transactions from NEFT Branches IFN298N07

M/O	Field No	Field Name	Contents / Options	Description
M	2020	Transaction Reference Number	16x	Uniquely identifies the message.
O	3535	Batch Time	4!n	Batch Time. This is not populated in the current application where the user returns an inward credit using the Return Marking functionality of SFMS.
M	1106	Total number of loops in the message	5n	Total number of loops in the message
M	4063	Sum of Amounts	19d	Sum of all amounts in the loops
Repeating Group Begins				
M	2020	Transaction Reference Number	16x	Uniquely identifies the transaction (loop)
M	2006	Related Reference Number	16x	Transaction Reference Number of the received inward credit message at bank branch that is returned
M	4038	Amount	19d	Value of the remittance
M	3380	Value Date	8!n	Date on which settlement takes place. The system will populate the current date when the user marks a transaction for returning.
M	5756	Sending Branch's IFSC	4!a4!c[3!c]	Sending branch's IFSC
O	6305	Sending Customer Account Type	2!C	Sender's account type Allowed values are 10 - SAVINGS BANK 11 - CURRENT ACCOUNT 13 - CASH CREDIT 14 - LOAN ACCOUNT 12 - Overdraft 40 – NRE
M	6021	Sending Customer Account Number	35x	Sender's account number
M	6091	Sending Customer Account Name	50x	Sender's account name

M	7002	Originator of Remittance	4*35x	
M	5569	Beneficiary branch's IFSC	4!a4!c[3!c]	Recipient branch's IFSC
O	6310	Beneficiary Customer Account Type	2!C	Receiving customer's account type Allowed values are 10 - SAVINGS BANK 11 - CURRENT ACCOUNT 13 - CASH CREDIT 14 - LOAN ACCOUNT 12 - Overdraft 40 – NRE 50 – Remittance for Customer not having account in bank 51- Indo Nepal Remittance 52 – Card to Card Payments
M	6061	Beneficiary Customer Account Number	35x	Receiving customer account number
M	6081	Beneficiary Customer Account Name	50x	Receiving customer's account name
O	5565	Beneficiary Customer Address	4*35x	Beneficiary customer address
M	6346	Reason Code	3!c	Return Code
M	6366	Rejection Code	50x	Description of the reason for rejection
O	7495	Sender to Receiver Information	6*35x	Remittance Information from sender to receiver
Repeating Group Ends				

Note: A 298N07 message is released to reject a 298N02 message that is received by the bank branch from RBI and could not apply the funds because of various reasons given below:

R01	ACCOUNT CLOSED
R02	ACCOUNT TRANSFERRED

R03	ACCOUNT DOES NOT EXIST
R04	NO SUCH ACCOUNT TYPE
R05	BENEFICIARY NAME DIFFERES
R06	ACCOUNT HOLDER EXPIRED
R07	ACCOUNT UNDER ATTACHEMENT
R08	GARNISHI ORDER RECEIVED
R09	OPERATIONS SUSPENDED
R10	PARTY'S INSTRUCTIONS
R11	ANY OTHER RESONS
R12	CREDIT TO NRI ACCOUNT

The 298N07 message is sent to the service center branch where it is consolidated in multiple loops and then released to RBI NEFT center. As explained for the 298N06 message, a 298N07 message can also be rejected or rescheduled at the service center branch and the bank has to take care not to reject the transaction that is rejected with a reschedule reason code. The same reason codes as specified in the 298N06 message are the reschedule reason codes.

Note: All the fields will be populated by the system while creating the 298N07 message using the Return Marking functionality of SFMS. The user just needs to select the rejection code for the returning a transaction.

4 Outward / Inward Credit confirmation message at branch IFN298N10

M/O	Field No	Field Name	Contents / Options	Description
M	2020	Transaction Reference Number	16x	Uniquely identifies the message.
Repeating Group Begins				
M	2020	Transaction Reference Number	16x	Uniquely identifies the transaction. (loop)
M	5518	IFSC of Originator of Remittance	4!a4!c[3!c]	IFSC of Debit Originator
M	2006	Related Reference	16x	Transaction Reference Number of the received inward credit message at bank branch that is credit confirmed.
M	3501	Amt Credited Time	8!n 6!n	Date and Time when the amount is credited to the customer 8!n is the credited date YYYYMMDD 6!n is the credited time HHMISS
Repeating Group Ends				

A 298N10 message is released to confirm that the amount in 298N02 message that is received by the beneficiary bank branch from RBI is credited to customer. The 298N10 message is sent to the beneficiary service center where it is consolidated in multiple loops and then released to RBI NEFT center. Bank wise segregation of N10 messages will be done at RBI and N10 messages are sent to the respective Sender Bank service centers and subsequently to the actual N06 sender branch.

Note: All the fields will be populated by the system while creating the 298N10 message using the Credit Confirmation functionality of SFMS. The user just needs to select the transaction to be credit confirmed.

5 Message for transmitting return transaction details to Bank Gateway IFN298N03

M/O	Field No	Field Name	Contents / Options	Description
M	2020	Transaction Reference Number	16x	Uniquely identifies the message.
M	3535	Batch Time	4!n	It is the Batch time during which the message has been rejected at RBI.
M	5185	Total # of transactions	8n	Total Number of transactions (loops) present in the message
M	4115	Total amount rejected	19d	Sum of amounts in the loops.
Repeating Group Begins				
M	2020	Transaction Reference Number	16x	System generated unique transaction reference.
M	5756	Sending branch's IFSC	11!x	Sending branch's IFSC
M	2006	Related Transaction Ref. No.	16x	Transaction Reference Number specified in the originating 298N06 message
M	5569	Beneficiary branch's IFSC	11!x	Recipient branch's IFSC specified in the originating 298N06 message
O	6310	Beneficiary customer a/c type	2!c	Receiving customer's account type specified in the originating 298N06 message
M	6061	Beneficiary customer a/c #	35x	Receiving customer account Number specified in the originating 298N06 message
M	6081	Beneficiary customer a/c	50x	Receiving customer's account name specified

		name		in the originating 298N06 message
O	5565	Beneficiary customer address	4*35x	Beneficiary customer address specified in the originating 298N06 message
M	4038	Amount	19d	Value of the remittance specified in the originating 298N06 message
M	3380	Value Date	8!n	Date on which the rejection is done.
M	3375	Remittance Date	8!n	Date on which the sender branch initiated the remittance
O	3381	Original value date	8!n	Original value date specified in the 298N06 message sent from bank's service center
M	6346	Reason Code	3!x	Rejection code
M	6366	Rejection Reason	50x	Description of the rejection code
O	7495	Remittance information	6*35x	Information on remittance given by the sending customer
Repeating Group Ends				

Note: A 298N03 message is received by the sending bank service center and in turn by the sending branch if a 298N06 or 298N07 message is rejected or rescheduled at RBI NEFT center. The field 2006 will have the transaction reference of the 298N06 or 298N07 message that is rejected or rescheduled. The reason for rejection or rescheduling is specified in the field 6346 and 6366. In case of reschedule the transaction is still live at RBI but it is just an information back to the sending bank that the message could not be settled in the batch or value date specified in the outgoing message from the bank. The banks have to take care that they do not reject their transactions in their core banking applications on receipt of a N03 message with a reschedule reason code.

The reason codes that are used for rescheduling at RBI NEFT center are:

094 – Batch does not exist on Saturday

098 – Holiday at RBI

099 – Past Value Date

100 – Late Arrival for a batch

For all other reason codes the transaction needs to be rejected in the bank's application.

6 Transmission of Rejected Transactions at NEFT Service Station to Bank Branches IFN298N09

M/O	Field No	Field Name	Contents / Options	Description
M	2020	Transaction Reference Number	16x	Uniquely identifies the message.
M	3535	Batch Time	4!n	Batch Time. It is the batch time during which the 298N09 message is created at Service center.
M	5185	Total Number of transactions rejected by Service Center of Bank Gateway	8n	Total Number of rejected transactions in the message
M	4115	Total amount rejected by Service Center at Bank Gateway	19d	Total amount of rejected transactions in the message
Repeating Group Begins				
M	2020	Transaction Reference Number	16x	Transaction Reference Number is unique for each transaction (loop). It is system generated.
M	5756	Sending Branch's IFSC	4!a4!c[3!c]	Sending branch's IFSC
M	2006	Related Reference	16x	Transaction Reference of the original N06 message
M	5569	Beneficiary branch's IFSC	4!a4!c[3!c]	Recipient branch's IFSC
O	6310	Beneficiary Customer Account	2!c	Receiving customer's account type

		Type		
M	6061	Beneficiary Customer Account Number	35x	Receiving customer account number
M	6081	Beneficiary Customer Account Name	50x	Receiving customer's account name
O	5565	Beneficiary Customer Address	4*35x	Beneficiary customer address
M	4038	Amount	19d	Value of the remittance
M	3380	Value Date	8!n	Date on which settlement takes place
M	3375	Remittance Date	8!n	Date on which the sender branch initiated the remittance
O	3381	Original value date	8!n	Original settlement date for which the transaction was initiated
M	6346	Reason Code	3!x	Rejection code
M	6366	Rejection Reason	50x	Description of the reason for rejection
O	7495	Sender to Receiver Information	6*35x	Remittance Information from sender to customer
Repeating Group Ends				

Note: As stated above for 298N06 and 298N07 messages, this message is sent by the NEFT service center branch of the bank if an outward debit or return transaction message is rejected or rescheduled at NEFT service center. The field 2006 will have the transaction reference of the 298N06 or 298N07 message that is rejected or rescheduled. The fields 6346 and 6366 will specify the reason code and rejection reason for rejection or rescheduling of the transaction.

The reason codes that are used for rescheduling at the Bank's service center are:

101 – Late arrival at SC (This rejection is received when a transaction is received by the service center branch after the batch time specified in the 298N06 message.)

107 – Past Value Date

108 – Holiday at Service Center

The banks have to take care that the core banking application does not reject the transaction that receive a 298N09 message with a reschedule reason code.

7 End-of-Day/End-of-Batch Message IFN298N04

M/O	Field No	Field Name	Contents / Options	Description
M	3385	Transaction Date	8!n	Date of transaction
O	3535	Batch Time	4!n	Batch Time. This is populated only in case of End of Batch message. When this field is populated, all the details mentioned in this message are of this batch only and not End of Day.
M	5175	No of Outward Debit Txns at NEFT/SC	8n	Total number of accepted and rejected Debit transactions.
M	4105	Total Amt of Outward Debit Txns at NEFT/SC	19d	Total amount of accepted and rejected Debit transactions.
M	5180	No Of Outward Debit Txns accepted at NEFT/SC	8n	Total No. of Outward Debits transactions accepted
M	4110	Sum Amt of Outward Debit Txns accepted at NEFT/SC	19d	Total amount of Outward Debits transactions accepted
M	5185	No Of Outward Debit Txns rejected at NEFT/SC	8n	Total No. of Outward Debits transactions rejected
M	4115	Sum Amt of Outward Debit Txns rejected at NEFT/SC	19d	Total amount of Outward Debits transactions rejected
M	5267	No of Inward credits	8n	Total No. of Inward Credits received for the bank/branch

		received for the bank/branch		
M	4410	Sum Amt of the inward credits received	19d	Total amount of Inward Credits received for the bank/branch
M	5047	No of Return Txns received for the bank or branch	8n	Total No. of Return transactions received for the bank or branch.
M	4460	Sum Amt of the return Txns received	19d	Total amount of Return transactions received for the bank/branch

Note: The End of Day message (298N04) is sent after the last batch is settled at RBI. It gives the details about all the messages that are sent by the bank's service center branch to RBI and the number and amount of the messages that are accepted or rejected. When the message is received at the bank's service center, the service center will release an EOD message to all the branches that have initiated the NEFT messages for the day with the count and amount of accepted and rejected messages along with total message count and amount.

The End of Batch Message is sent after each batch except the last batch of the day. i.e. if there are 3 batches in a day. E.g. 1030, 1200, and 1600 then an

End of Batch Message is received for batches 1030 and 1200.

And End of Day message is received after 1600. There won't be an End of Batch message for 1600 batch.

8 Transmission of 'Nil' Transaction / 'Nil' Rejection Message IFN298N08

M/O	Field No	Field Name	Contents / Options	Description
M	2020	Transaction Reference Number	16x	Uniquely identifies the message.
O	3535	Batch Time	4!n	Batch Time.
M	6712	Bank Gateway IFSC	4!a4!c[3!c]	Service Center IFSC
M	3385	Transaction Date	8!n	Date of transaction
M	6312	Message Text	2!a	NT – Nil Transaction

Note: This message is sent by the RBI NEFT center to the bank's service center branches if no inward credits are present for the bank in a particular batch.