

Further Circulation

Design Document

REAT Integration Document

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Controller General of Accounts, Ministry of Finance

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1.7.9

Private and

Revision and Signoff Sheet

Change Record

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23-2-22	Ratnakar Upadhyay	1.7.4	<p>Added explanation of Reject/Failure reason code in section 4.1.6.</p> <p>Added New error code CPE0020, CPE0024, CPE0074, CPE0075, CPE0079 ,CPE0080, CPE0081, CPE0082, CPE0083, CPE0084, CPE0085, and updated description of CPE0021 and CPE0044 in section 4.1.5.</p> <p>Updated error code in section 6.4</p>
28-2-22	Ratnakar Upadhyay	1.7.5	Added new error code CPE0086 and change description of CPE0071 in section 4.1.5
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11-03-22	Ratnakar Upadhyay	1.7.7	<p>Changed description of error code CVE0013, CVE0055.</p> <p>Remove explanation of “Reject/Failure Reason Code” under payment file acknowledgement (4.1.6).</p>
23-03-22	Ratnakar Upadhyay	1.7.8	<p>Added Description in the “Advance Settlement Request File (section 8)” and Reversal of Transaction in REAT (section 9”).</p> <p>Added error code CVW0050 under section 6.4.</p> <p>Added description of Aadhaar number and IFSC code for MIS under section 6.2 and 4.1.3</p>
05-April-22	Ratnakar Upadhyay	1.7.9	<p>Added note for vendor Bank account validation under 6.5.1.</p> <p>Replace error code CVW0050 with CVW0066.</p>

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1 Background

Public Financial Management System (PFMS) initially started as a Plan scheme named CPSMS of the Planning commission in 2008-09 as a pilot in four states of Madhya Pradesh, Bihar, Punjab and Mizoram for four flagship schemes; e.g. MGNREGS, NRHM, SSA and PMGSY. After the initial phase of establishing a network across Ministries/Departments, it has been decided to undertake National rollout of CPSMS (PFMS) to link the financial networks of Central, State Governments and the agencies of State Governments. The scheme was included in 12th Plan initiative of Planning Commission and Ministry of Finance.

2 REAT Overview

REAT (Receipts, Expenditure, Advances and Transfers) module of PFMS is meant for capturing all the expenditures and receipts of agencies who are in receipt of funds from Govt of India directly or through their parent agencies. PFMS has a very user friendly interface covering all the functionalities related to EAT module which is used by different agencies for post facto data entry as well as for electronic payments for transactions related to REAT module. Since many ministries/dept have their own financial management system, so to avoid duplication of data entry work, it is desired that those systems can be integrated with PFMS w.r.t. to REAT requirements of PFMS

3 Overview- REAT Integration

This integration will be based on file exchange between external systems and PFMS. These files will be of XML type formats.

3.1 Integration Methods

PFMs will develop interfaces to exchange of files between PFMS and external system using the following protocols

SFTP based file exchange: SFTP or "Secure File Transfer Protocol" is a popular method of transferring files between two remote systems. SFTP, which stands for SSH File Transfer Protocol, or Secure File Transfer Protocol, is a separate protocol packaged with SSH that works in a similar way over a secure connection.

SSH uses the client-server model. The standard TCP port 22 has been assigned for contacting SSH servers. An SSH client program is typically used for establishing connections to an SSH daemon accepting remote connections.

In future, we may be extending this interface for exchange of files using Web Services also.

3.2 Transaction Types to be covered

In this integration, following transaction types will be covered

- Opening Balance Capturing/Updation
- Expenditure Entry for Post Facto transaction as well as for making e-payment through PFMS.
- Advances entry for Post Facto transaction as well as for making e-payment through PFMS
- Transfer entry for transfer of funds from parent agency to child agency for Post Facto transaction as well as for making e-payment through PFMS.
- Inter Bank Transfer which is used for transfer of funds from one agency account to other agency account
- Receipts capturing (Receipts from Gov as well as other sources)
- Capturing of Interest Income in PFMS
- Capturing of Income on investment.
- Capturing income from other source.
- DSC enrollment files processing.
- Agency limits allocation for Child agencies.

Separate XML format have been provided in the later sections in this document for each of the above transaction types.

3.3 Pre-requisites for REAT Integration

- SOP has been approved and signed by Owner Ministry/Dept of external system and PFMS
- Scheme Onboarding in PFMS
- Confirmation on purpose of integration i.e. Brief MIS, Detailed MIS or EAT Payment
- DBT / DSC Scheme Configuration to be done in PFMS

4 Process and formats for REAT Integration

4.1 Process Flow EAT Transactions

Following is the broad list of steps which needs to be followed by the PFMS and External System portal to make EAT payments through PFMS.

- A. Submission of Digitally signed Payment File having Beneficiary List to PFMS by External System Portal
- B. Validation of Payment Information File by PFMS
- C. If there is any validation/verification fails at file level or record level, then PFMS will send the Payment status as 'RJCT' along with the reason for rejection and list of beneficiary records which are rejected due to any reason.
- D. PFMS will send the Payment File Acknowledgement to the External System portal as accepted, if the file is successfully accepted by PFMS
- E. If the payment file gets accepted at PFMS, then PFMS will send the Payment status response having the payment status for each beneficiary records present in the payment file
- F. In response to the payment status response sent from PFMS to External System portal, External System will send the Payment Response Acknowledgment to PFMS. But this message is intended to develop in future.
- G. Steps in E & F will be performed only if the file is received for making actual payment through PFMS i.e. these will be ignored if the file is received for data capturing for MIS purpose.

4.1.1 File Naming Convention

Name of the files will be used as per Unique Message Id ([GrpHdr/MsgId](#)) format so the unique file name can be exchanged with PFMS.

4.1.2 SFTP Server Folder Details

The table below summarizes the SFTP Folder details:

Data	Source	FTP Folder Location	Destination	Polling Interval	Folder Permissions
REAT Payment Request	External System	[PFMS\<Source System Id>\EATPaymentData\ToPFMS]	PFMS	As and when new Payment is initiated	PFMS to have Read, Write & Delete Access on Folder

Payment Acknowledgement	PFMS	[PFMS\<Source System Id>\EATPaymentData \FromPFMS\]	External System Portal	For every EAT Payment Request	PFMS to have Read and Write Access on Folder
Payment Status Response	PFMS	[PFMS\<Source System Id>\EATPaymentStatusData\FromPFMS\]	External System Portal	For every EAT Payment Request if Payment file is successfully accepted at PFMS	PFMS to have Read and Write Access on Folder
Payment Status Response Acknowledgement	External System Portal	[PFMS\<Source System Id>\EATPaymentStatusData\ToPFMS\]	PFMS	For every EAT Payment Status Response. This is intended to develop in future	PFMS to have Read, Write & Delete Access on Folder

4.1.3 Field List for EAT

Following is the list of fields which are to be included in the XML file for EAT fields:

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					
1	Unique Message Id	CstmrCdtTrfInitn / GrpHdr/MsgId	Y	Varchar(25)	This should be same as the file name without extension of file name. Format should be <Source System Id given by PFMS>EATPAYREQDDMMYYYYNN format. NN should start 1 with for a particular day and can go up to any value i.e. 0021EATPAYREQ0504201813
2	Source System ID	CstmrCdtTrfInitn / GrpHdr/Src	Y	Char(5)	This is static code issued by PFMS for each application. Also called DataSource ID alternatively
3	Control Total	CstmrCdtTrfInitn / GrpHdr/CtrlSum	Y	Numeric(18,2)	Total of all credit transactions (Gross amount i.e. Net Credit + Deduction amount) provided in

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
					this file.
4	Records Count	CstmrCdtTrfInitn / GrpHdr/NbOfTxs	Y	Int	This attribute will contain the number of payment records included in the file. It will always be more than zero.
5	Initiating Party	CstmrCdtTrfInitn / GrpHdr /InitgPty/PrTry/I d	Y	Varchar(50)	Agency Code for booking EAT. Details to be taken from PFMS
6	Batch ID	CstmrCdtTrfInitn/ GrpHdr/ PmtInf/ SrcSystmIdntfr /PmtInfId	Y	Varchar(17)	Format: PNNNNDDMMYYYYXXXX (Total 17 characters. P is fixed for payment file. NNNN refers to the 4 digit Source System Id allotted by PFMS, DDMMYYYY represent the date and XXXX represent running serial no. By following this structure, Batch ID should be unique throughout the lifecycle of integration. And It should start with 1 for a particular day. E.g. P0021050420181
7	Batch Date	CstmrCdtTrfInitn/ GrpHdr/PmtInf/ SrcSystmIdntfr /PmtInfDt	Y	Date	YYYY-MM-DD format Batch Date
7.1	External System Payment file identifier	CstmrCdtTrfInitn/ GrpHdr/PmtInf /SrcSystmIdntfr/O rdrNo	N	Varchar(50)	Token no./Payment Transaction ID as received from external system in the payment file . It is a unique Identifier throughout the life cycle in System Integration . If the payment file is rejected from PFMS, then the modified Payment File can be sent from External System with the same identifier.
7.2	DBT Scheme identifier	CstmrCdtTrfInitn/ GrpHdr/PmtInf /DBTSchmIdntfr/Cd	N	Varchar(50)	If DBT Payment, Provide the DBT Mission Scheme code . This field is not in use.

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
8	Scheme Code	CstmrCdtTrfInitn/ GrpHdr/PmtInf/ OrgId/SchmeCd	Y	Varchar(25)	Scheme code as allotted by PFMS. Master to be taken from PFMS
9	Authority Code	CstmrCdtTrfInitn/ GrpHdr/PmtInf/ OrgId/Cd	Y	Varchar(50)	Agency code whose bank account is to be debited.
10	Bank Account number	CstmrCdtTrfInitn/ GrpHdr/PmtInf/ OrgId/Id/ Othr/BBAN	Y	Varchar(35)	For Debit. Details to be taken from PFMS
11	Branch Id	CstmrCdtTrfInitn/ GrpHdr/PmtInf/ OrgId/FinInstnId/ BrnchId	Y	Varchar(11)	IFSC Code (11 digits) For Debit. Details to be taken from PFMS
12	Payee Type	CstmrCdtTrfInitn/ GrpHdr/PmtInf/Tp	Y	Char(1)	'V' for Vendor , 'B' for Beneficiary and 'A' for Implementing Agency registered with PFMS
12.1	Payee Category	CstmrCdtTrfInitn/ GrpHdr/PmtInf/Ctgry	Y	int	Beneficiary Type as configured in PFMS. Applicable for payment to Beneficiaries. This field is not in use
13	Transaction Nature	CstmrCdtTrfInitn/ GrpHdr/PmtInf/ TxDtls/TxNtr	Y	Char(1)	Allowed values are 'E' for Expenditure , 'A' for Advances, or 'T' for Transfer
14	Transaction Purpose	CstmrCdtTrfInitn/ GrpHdr/PmtInf/ TxDtls/TxPurp	Y	Char(1)	'M' for MIS and 'P' for Payment i.e., Data is being shared with PFMS for MIS purpose or for routing payment transaction through PFMS.
15	Transaction Type	CstmrCdtTrfInitn/ GrpHdr/PmtInf/ TxDtls/TxTp	Y	Char(1)	'N' for New and 'R' for reversal. Reversal is allowed only for MIS type transactions
16	Financial Year	CstmrCdtTrfInitn/ GrpHdr/PmtInf/ TxDtls/FinYr	Y	Int	YYYY format financial year. For e.g., for FY 2017-2018, 2018 will be considered
17	Project ID	CstmrCdtTrfInitn/ GrpHdr/PmtInf/ TxDtls/Clssfctn/I d	N	Int	Wherever applicable. If applicable, details to be taken from PFMS.

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
18	Actual Transaction Date	CstmrCdtTrfInitn / GrpHdr/ PmtInf/ TxDtls/ReqdExctnDt	N	DateTime	<p>Mandatory and Applicable for MIS type transactions only The Format will be YYYY-MM-DDTHH:MM:SS YYYY stands for Year MM stands for Month DD stands for Date HH stands for hour MM stands for minute SS stands for seconds For eg 2013-02-13T14:07:00</p> <p>And in case of transaction purpose 'P'</p> <p>(For Payment), actual transaction date is the current date.</p>
19	Payment Purpose/ Narration	CstmrCdtTrfInitn / GrpHdr/ PmtInf/ TxDtls/TxPrps	N	Varchar(100)	It is the payment purpose description.
20	Transaction Status	CstmrCdtTrfInitn / GrpHdr /PmtInf/ TxDtls /TxSts	Y	Int	<p>Status of Transaction. Provide values as mentioned below Approved-1 , Authorized with DSC- 2</p> <p>Value 1 is applicable only for MIS type transactions</p>
21	Sanction Number	CstmrCdtTrfInitn / GrpHdr/ PmtInf/ TxDtls / RmtInf/Strd/ RfrdDocInf/Nb	Y	Varchar(100)	Letter/Office order No.
22	Sanction Date	CstmrCdtTrfInitn / GrpHdr/ PmtInf/ TxDtls / RmtInf/Strd/ RfrdDocInf/RltdDt	Y	Date	YYYY-MM-DD
23	Remarks	CstmrCdtTrfInitn / GrpHdr/ PmtInf/ TxDtls RmtInf/RltdInf/Re m	N	Varchar(100)	If any
Below is Repetitive Information for each Payess which are part of above mentioned batch					
24	Source System	CstmrCdtTrfInitn	Y	Varchar(As generated in the source

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
	Transaction No.	/CdtTrfTxInf/ /OrgnlEndToEndId		35)	system. It should be unique across all transactions throughout the life of integration. It can repeat if rejected payment file is resent from External System to PFMS after modifications.
25	Payee Code	CstmrCdtTrfInitn/ CdtTrfTxInf/Cdtr/ PFMSId	Y	Varchar(50)	Vendor/Beneficiary/Agency Code as per PFMS. Details to be taken from PFMS.
25.1	Payment Period : From Date	CstmrCdtTrfInitn/ /CdtTrfTxInf/Cdtr/ /RmtInf/Strd/FrmDt	N	Date	Format YYYY-MM-DD. Please specify the Start date of Payment period here. Scheme Payment periodicity should be adhered to scheme guidelines. Applicable (Mandatory) only for DBT Payments. This field is not in use
25.2	Payment Period: To Date	CstmrCdtTrfInitn/ /CdtTrfTxInf/ Cdtr/RmtInf/Strd/ ToDt	N	Date	Format YYYY-MM-DD. Please specify the End date of Payment period here. Applicable(Mandatory) only for DBT Payments This field is not in use
26	Credit Amount	CstmrCdtTrfInitn / CdtTrfTxInf/ Cdtr/Amt/ InstdAmt	Y	Numeric(18,2)	Net payment to be credited in the bank account. If component wise details are provided in the later part, then This amount should be equal to component wise amount - deduction acount
27	Payment Amount Center Share	CstmrCdtTrfInitn / CdtTrfTxInf/ Cdtr/Amt/CtreAmt	N	Decimal(18,2)	Provide if applicable Paisa will be separated by .(dot)
28	Payment Amount State Share	CstmrCdtTrfInitn / CdtTrfTxInf/ Cdtr/Amt/ PrvcAmt	N	Decimal(18,2)	Provide if applicable Paisa will be separated by .(dot)
29	Payment Mode	CstmrCdtTrfInitn /CdtTrfTxInf/Cdtr /PmtMd	Y	Int	1 for DD, 2 for Cheque, 3 for ECS , 4 for RTGS , 5 for Cash, 7 for NEFT, 8 For APBS, 9 for NACH, 10 for IFT and 6 for ePayment using

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
					DSC through PFMS. Modes 1,2 ,3 4, 5, 7,8,9,10 are applicable for MIS type transactions only. Mode 6 is exclusive modes & can't be clubbed with other modes in one file and is applicable for Non MIS transactions only
30	Instrument Number	CstmrCdtTrfInitn / CdtTrfTxInf/ Cdtr /PmtId/InstrId	N	Varchar(20)	Cheque No./DD No. Applicable for payment modes 1 & 2 only
31	Instrument Date	CstmrCdtTrfInitn / CdtTrfTxInf/ Cdtr /PmtId/CreDtTm	N	Datetime	Applicable for Payment Mode DD and Cheque only. The Format will be YYYY-MM-DDTHH:MM:SS YYYY stands for Year MM stands for Month DD stands for Date HH stands for hour MM stands for minute SS stands for seconds For eg 2013-02-13T14:07:00
32	NarrationForPassBook	CstmrCdtTrfInitn / CdtTrfTxInf/Cdtr/ StsRsnInf/Rsn/AddtlInf	N	Varchar(35)	For printing in the bank account statement. Not applicable for MIS
33	IFSC Code	CstmrCdtTrfInitn /CdtTrfTxInf/ Cdtr/CdtrAgt/FinInstnId/BrnchId	N	Varchar(20)	For Credit. To be provided only if bank account no. is provided. In Case of MIS, For Aadhaar based payment external system share bank IIN Number [6-Digit] in this field.
34	AadhaarNo	CstmrCdtTrfInitn / CdtTrfTxInf/ Cdtr/CdtrAcct/ Id/Othr/SOSE	Y/N	Varchar(12)	To be given only if Aadhaar based payment is to be done. Only one of Aadhaar or Account is mandatory. If Account details and Aadhaar details are provided, then PFMS will give preference to Aadhaar based payment.

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
					In case of MIS This field should be blank. In case of MIS Aadhaar no will not be shared with PFMS if shared the request will be rejected by the PFMS.
35	Credit Account Number	CstmrCdtTrfInitn / CdtTrfTxInf/ Cdtr/CdtrAcct/Id/ Othr/ BBAN	Y/N	Varchar(50)	To be given only if account based payment is to be done
Following is repetitive information for each Payees for specifying component wise payment amount for individual Payees. (Fields no. 36,37 and 38 are optional in case of Transfer)					
36	Scheme Component ID	CstmrCdtTrfInitn / CdtTrfTxInf/ Cdtr/PymntHd/Id	Y	Varchar(100)	Component ID/payment Purpose ID As per the details shared by PFMS
37	Component Amount	CstmrCdtTrfInitn / CdtTrfTxInf/ Cdtr/PymntHd/Amt	Y	Numeric(18,2)	
38	Expense Type (Revenue or Capital)	CstmrCdtTrfInitn / CdtTrfTxInf/ Cdtr/PymntHd/ExpTp	Y	Char(1)	Allowed Values are 'R' or 'C'
Repetitive Information for Component wise details ends here					
39	Is deduction	CstmrCdtTrfInitn / CdtTrfTxInf/Cdtr/Ddctn/DdctnApplcbl/Rspns	Y	Bit	Whether Deductions to be filed? Allowed values 'Y' or 'N'
Following is repetitive loop to provide multiple deduction details					
40	Deduction Amount	CstmrCdtTrfInitn / CdtTrfTxInf/Cdtr/Ddctn/DcdctnDtls/Amt	N	Numeric(18,2)	In case of deduction, if Is deduction is true ,it should be mandatory otherwise not
41	Deduction Type	CstmrCdtTrfInitn / CdtTrfTxInf/Cdtr/Dcdctn/DcdctnDtls/Tp	N	Varchar(10)	Master to be taken from PFMS. In case of deduction, if Is deduction is true ,it should be mandatory otherwise not

4.1.4 XML File Structure for EAT Payment Request File

Below is the proposed format of the XML file sent to PFMS for EAT fields

```
<EATPaymentRequest xmlns="http://cpsms.nic.in/EATPaymentRequest">
    <CstmrCdtTrfInitn>
        <GrpHdr>
            <MsgId>0021EATPAYREQ0504201813</MsgId>
            <Src>0021</Src>
            <CtrlSum>3000</CtrlSum>
            <NbOfTxns>1</NbOfTxns>
            <InitgPty>
                <PrTry>
                    <Id>9156</Id>
                </PrTry>
            </InitgPty>

            <PmtInf>
                <SrcSystmIdntfr>
                    <PmtInfId>P00210908201856</PmtInfId>
                    <PmtInfDt>2018-08-09</PmtInfDt>
                    <OrdrNo>12</OrdrNo>
                </SrcSystmIdntfr>

                <OrgId>
                    <SchmeCd>9156</SchmeCd>
                        <Cd>2483</Cd>
                    <Id>
                        <Othr>
                            <BBAN>30001216371411</BBAN>
                                <FinInstnId>
                                    <BrnchId>12345678912</BrnchId>
                                        <FinInstnId>
                                            <Othr>
                                                <Id>
                                                    <Tp>V</Tp>
                                                <TxDtls>
                                                    <TxNtr>E</TxNtr>
                                                    <TxPurp>P</TxPurp>
                                                    <TxTp>N</TxTp>
                                                    <FinYr>2018 </FinYr>
                                                    <Clssfctn>
                                                        <Id>89</Id>
                                                    </Clssfctn>
                                                </Othr>
                                                <TxPrps>For Payment to Vendors</TxPrps>
                                                <TxSts>2</TxSts>
                                            </FinInstnId>
                                            <RmtInf>
                                                <Strd>
                                                    <RfrdDocInf>
                                                        <Nb>4562</Nb>
                                                    </RfrdDocInf>
                                                </Strd>
                                            </RmtInf>
                                        </FinInstnId>
                                    </BrnchId>
                                </OrgId>
                            </Othr>
                        </Id>
                    </SchmeCd>
                </OrgId>
            </PmtInf>
        </GrpHdr>
    </CstmrCdtTrfInitn>
</EATPaymentRequest>
```

```

                <RltdDt>2012-09-08</RltdDt>
            </RfrdDocInf>
        </Strd>
        <RltdInf>
            <Rem>Vendor Payments</Rem>
            </RltdInf>
            </RmtInf>
            </TxDtls>
        </PmtInf>
    </GrpHdr>

<CdtTrfTxInf>
    <OrgnlEndToEndId>12345</OrgnlEndToEndId>
    <Cdtr>
        <PFMSId>V001</PFMSId>
        <RmtInf>
            <Strd>
                </Strd>
            </RmtInf>
            <Amt>
                <InstdAmt>3000</InstdAmt>
            </Amt>
            <PmtMd>6</PmtMd>
            <StsRsnInf>
                <Rsn>
                    <AddtlInf>Payment Credited Amount</AddtlInf>
                </Rsn>
            </StsRsnInf>
            <CdtrAgt>
                <FinInstnId>
                    <BrnchId>12358749896</BrnchId>
                </FinInstnId>
            </CdtrAgt>
            <CdtrAcct>
                <Id>
                    <Othr>
                        <BBAN>30001216371411</BBAN>
                </Othr>
            </Id>
            <SOSE>666698293713</SOSE>
            </Othr>
        </CdtrAgt>
        <CdtrAcct>
            <PymntHd>
                <Id>18</Id>
                <Amt>2000</Amt>
                <ExpTp>R</ExpTp>
            </PymntHd>
        <PymntHd>
            <Id>19</Id>
            <Amt>1000</Amt>
        </PymntHd>
    </Cdtr>

```

```

                <ExpTp>R</ExpTp>
            </PymntHd>
            <Ddctn>
                <DdctnApplcbl>
                    <Rspns>Y</Rspns>
                </DdctnApplcbl>
            <DcdctnDtls>
                <Amt>200</Amt>
                    <Tp>XYZ</Tp>
            </DcdctnDtls>
        </Ddctn>

    </Cdtr>

    </CdtTrfTxInf>
</CstmrCdtTrfInitn >
<Signature xmlns="http://www.w3.org/2000/09/xmldsig#">
<SignedInfo>
<CanonicalizationMethodAlgorithm="http://www.w3.org/TR/2001/REC-xml-c14n-20010315" />
<SignatureMethodAlgorithm="http://www.w3.org/2000/09/xmldsig#rsa-sha1" />
<ReferenceURI="">
<Transforms>
<TransformAlgorithm="http://www.w3.org/2000/09/xmldsig#enveloped-signature" />
<TransformAlgorithm="http://www.w3.org/TR/2001/REC-xml-c14n-20010315#WithComments" />
</Transforms>
<DigestMethodAlgorithm="http://www.w3.org/2000/09/xmldsig#sha1" />
<DigestValue>ORIMgATDwfXSCd09dnx226rGfeE=</DigestValue>
</Reference>
</SignedInfo>
<SignatureValue>
    q1XuY3SE4hSVr7iPvFgvrqWBLikm3EwiBZLfcOzb+dvNhIu7WJcy8PvJLgfjCTBg1zbgkazC5YIi
    yp0zJFTHyen2pLzEYfJTk9yWEsiy7PN3ZHFHl8uWNT6Flq2DmqutXjBVgMNX0mMcrBhMX96rwm8N
    YMw8NZKzP63rukjV4mLprVw8H0ijkw50PIb8Y7cZKDUIHFB34CcwpEuVjhPZfibOAbK1YjRACJ0i
    UsnjrHhRSCKrNbgevdQAOQkZ/1Ij2ibRn9AZ2eVJieFdHDAgwcGShqo2yTq005CjtZegXW55mfZud
    cw1oMDljUAr5tmDbPINr3AR4Ild100oy6646Wg==
</SignatureValue>
<KeyInfo>
<X509Data>
<X509Certificate>
    MIID6CCAtCgAwIBAgIKVgQ37ClrrLtPnzANBgkqhkiG9w0BAQsFADBjMQswCQYDVQQGEwJJTjEk
    MCIGA1UEChMbTmF0aW9uYWwgSW5mb3JtYXRpY3MgQ2VudHJ1MQ8wDQYDVQQLewZzdWIgQ0ExHTAb
    BgNVBAMTFFR1c3QgTk1DIFN1Yi1DQSAYMDEyMB4XDTEzMDIyNzA1MDk0MVoXDTE1MDIyNjA1MDk0
    MVowEjEQMA4GA1UEAxMHND1MTEMycUzCCASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAM1B
    poQMGHhDX08PVAJWEeu0SmzPNeQWkWz6IsLCm7Uz4QhWtPo1ETo3CULXMSKAN1b30Q6+qEBaDPLz
    pw4nf3T6PvQg+rY86qg3vDei5Ek/pzeHGGX7t3HFBBgjygx9yrulIrivrqP4znX2UVSAteqfxj8Y
    YWPaVCYTDSaaihe9qqCCuGcs6e537K97J0E3imzcQvGbZJ1hgsezI2gZUQPjzr6Mm+pdwoyQE0yF

```

```

0shYegw14CETZYaDuc5VaqrF6sDF9e+syFeKvpKmbtCnx+g0x6PIBh9AC8p5NAjqmKsbCURSIIDu
Hh3x4HOMkxZ8yDiEKQgDKh6wloPGtf9df38CAwEAAaOB7jCB6zAOBgNVHQ8BAf8EBAMCBaAwHQYD
VR00BBYEFcN+A+QErP8nS1kZIZK76H6K+yu7aMB8GA1UdIwQYMBaAFLWgMPq07xnMxRokahDsgQAm
ks55MB0GA1UdJQQWMBQGCCsGAQUFBwMBBgggrBqEFBQcDAjA4BgNVHSAEMTAwMC0GBmCCZGQCAjAj
MCEGCCsGAQUFBwICMBUaE0NsYXNzIDIgQ2VydGlmaWNhdGUwDwYDVR0RBAgwBocECqAiCzAvBgNV
HR8EKDAmMCSgIqAghh5odHRwO18vMTAuMTAuMy9jcmxfNDAwQi5jcmwwDQYJKoZIhvcNAQEL
BQADggEBAEzkaSGnFFFpeQNq/8+MLTFY5KU10Rn3SEc2EyrqdINGP6iM5zfmBrsKOKz7Ii1cjRkg
C80A23oCqkmzxJQG/A4NyzLfy0EJD9M9vfNZnoCGUpYfy+9sZ/MbT/JGGpcBDH6Rj7a5GcvLRz8M
bjHyMz/4zPhKMVyPpiw6qu2AAiIVCa5Nu13JYKedIRaJHUdnvgpHg+hnS74SihShAb/PnGYXQ8bh
+9dG/H89XwChWa8vJ6w3NVhN9q84aqFNxIPJLeDCK9xj1TuBt+Kv4eY31dwDaGEPr8DZJ/lBI3jF
d25Ln3+/HMD1HSVB/cDGQdsC+B51wTryX9sNgwZibjtfdLg=
</X509Certificate>
</X509Data>
<KeyValue>
<RSAKeyValue>
<Modulus>
yUGmhAwYeEnc7w9UA1YR67RKbM815BaRbPoiwsKbtTPhCFa0+jUROjcJSVcxIoA2VvfRDr6oQFoM
8vOnDid/dPo+9CD6tjzqqDe8N6LkST+nN4cYZfu3ccUEGCPKDh3Ku6UiuK+uo/j0dfZRVIC16p/G
PxhhY9pUJhMNJpqKF72qoIK4Zyzp7nfsr3snQTeKbNxC8ZtknWGCx7MjaB1RA+POvoyb613CjJAT
TIXSyFh6DCXgIRN1ho05z1VqqSXqwMX176zIV4q+kqZu0KfH6A7Ho8gGH0ALynk0C0qYqxsJRFIg
g04eHfHgc4yTFnzIOIQuCAMqHrCWg8a1/11/fw==
</Modulus>
<Exponent>AQAB</Exponent>
</RSAKeyValue>
</KeyValue>
</KeyInfo>
</Signature>
</EATPaymentRequest>

```

4.1.5 Validation of EAT Payment Information File Data by PFMS:

After receiving the file from External System Portal, Following validations will be applied on the Beneficiary payment file records

S.No.	Error Code	Error Description
1	CPE0001	Duplicate Batch ID

S.No.	Error Code	Error Description
2	CPE0002	Invalid Batch Format. It should be PNNNNDDMMYYYYXXXX (Total 17 characters. P is fixed for payment file. NNNN refers to the 4 digit Source System Id allotted by PFMS, DDMMYYYY represent the date and XXXX represent running serial no
3	CPE0003	Scheme Code does not exist in PFMS
4	CPE0004	Payee Type does not exist in PFMS. It can be Vendor (V) or Beneficiary (B) or Implementing Agency (A)
5	CPE0005	PFMS Payee code does not exists in PFMS or does not correspond to provided Scheme and Payee Type
6	CPE0006	Verification of Digital Signature Failed if the digitally signed file is received
7	CPE0007	Invalid Component ID
8	CPE0008	Duplicate payment check based on PFMS Payee Code + Scheme + Sanction No. – This validation has been discontinued
9	CPE0009	Mandatory fields value missing
10	CPE0010	Net credit Amount should be more than zero
11	CPE0011	Message Id not as per defined format source + EATPAYREQ + DDMMYwY+Seq No.
12	CPE0012	Duplicate Message ID
13	CPE0013	Record Count Should be more than Zero
14	CPE0014	Control Sum should be more than Zero
15	CPE0015	Initiating Party Code should be PFMS Agency Code
16	CPE0016	Invalid Authority Code
17	CPE0017	Invalid Bank/Post Office Name – This validation has been discontinued
18	CPE0018	Deduction Applicable. It can be 'Y' or 'N'
19	CPE0019	Wrong Data Type/Data Length/Data Type Format
20	CPE0020	Debit Account Branch Id (IFSC Code) is not matched with PFMS
21	CPE0021	Payee code does not exist in PFMS.
22	CPE0022	UID is invalid
23	CPE0024	Control Sum should be same as the total of credit amount for all payees
25	CPE0025	Invalid Payment Mode. Allowed values are 1,2,3,4,5,6,7,8,9 and 10 only.
26	CPE0026	Modes 1,2,3,4,5,7,8,9,10 are applicable for MIS type transactions only and Mode 6 is exclusive modes & can't be clubbed with other modes in one file and is applicable for Non MIS transactions only.
27	CPE0027	Invalid Expense Type. It can be 'R' or 'C'
28	CPE0028	Invalid Transaction type. It can be 'N' Only.

S.No.	Error Code	Error Description
29	CPE0029	Payee is not mapped to Payment Agency.
30	CPE0030	Invalid Date Time Format. It should be YYYY-MM-DDTHH:MM:SS
31	CPE0031	Amount cannot be -ve.
32	CPE0032	Duplicate EndToEndID Not allowed in the file.
33	CPE0033	Account number is marked as Invalid in PFMS.
34	CPE0034	Both Account and Aadhar are invalid.
35	CPE0035	Debit Account IFSCCode is invalid.
36	CPE0036	Duplicate payment check based on EndToEndID fails across already processed transactions
37	CPE0037	Control Sum should be same as total of Net credit Amount + Deduction amount i.e. Sum of Gross Payments
38	CPE0038	One of AADHAAR Number or Bank Account details are mandatory
39	CPE0039	Invalid value for Transaction Purpose, It should be 'P' for Payment or 'M' for MIS.
40	CPE0040	Error in reading file, File is malformed or Failed during schema validation
41	CPE0041	Invalid Project ID
42	CPE0042	Payee can be paid only once through one payment file i.e. Multiple records of same Payee code are not allowed – This validation has been discontinued
43	CPE0043	Invalid for Deduction Type Code
44	CPE0044	Debit Account number is not registered with Agency and scheme.
45	CPE0045	Invalid DBT Mission Scheme Code. This error code is not in use
46	CPE0046	Payment Period To Date should be less <= Payment Period From Date. This error code is not in use
47	CPE0047	Payment Period not provided for DBT Payment. This error code is not in use
48	CPE0048	Message ID should be same as File name without extension
49	CPE0049	Digital signatures Consistence check fail
50	CPE0050	Digital signatures sent in payment file are not enrolled in PFMS
51	CPE0051	Invalid Financial Year
52	CPE0052	External System Payment Identifier should be unique throughout the life cycle in System Integration. If the payment file is rejected from PFMS, then the modified Payment File can be sent from External System with the same identifier- This validation has been removed
53	CPE0053	Beneficiary Category must be eligible to get payments under the desired Scheme.
54	CPE0054	Actual Transaction date is mandatory for MIS
55	CPE0055	Sanction date is mandatory
56	CPE0056	Sanction date should be in the provided financial year
57	CPE0057	Actual Transaction date should be in the provided financial year for MIS
58	CPE0058	Actual Transaction date should be CurrentDate or blank for EPayment
59	CPE0059	Deduction applicable is "Y", but amount is not mentioned and vice versa. (means deduction

S.No.	Error Code	Error Description
		applicable 'N', but amount mentioned)
60	CPE0060	Total sum of components amount should be equal to the corresponding payee net credit amount+Deduction amount.
61	CPE0061	Sanction Number already exist
62	CPE0062	Vendor Name is not in English, Kindly resend vendor updation request with name in english
63	CPE0063	Invalid Source System Id. Source Id does not exist in PFMS
64	CPE0064	Number of Record Counts does not match with the total number of Payees
65	CPE0065	Invalid Transaction Nature. Possible values are 'E', 'A' or 'T'
66	CPE0066	Debit Bank is not enable for DSC payment
67	CPE0067	Same signatory can not sign multiple times on single payment file.
68	CPE0068	Sanction date should be in less than or equal to current date
69	CPE0069	Expenditure Amount exceeded the allocated amount
70	CPE0070	Component should be allocated or Component Amount Should not exceed the allocated Amount
71	CPE0071	Payee aadhaar number does not belong to payee code.
72	CPE0072	External system is Register as Payment Mode and Payment File Received as MIS mode
73	CPE0073	External system is register as MIS Mode and Payment file Received as Payment Mode.
74	CPE0074	IIN Number is not as per PFMS Bank Master.
75	CPE0075	Aadhaar Number is not acceptable in case of MIS Transactions
76	CPE0079	Bhoomi Rashi Payment is Applicable only for Implementing agency OR PD
77	CPE0080	Duplicate Component ID in PFMS for same Scheme
78	CPE0081	Payee account is not registered with provided Payee Code.
79	CPE0082	IFSC code of Payee Account is not matched with registered Vendor.
80	CPE0083	Debit Account and scheme is not approved.
81	CPE0084	Debit Account is not activated for DSC mode of payments
82	CPE0085	Payee account is not activated
83	CPE0086	Payee Aadhaar is invalid

If the Payment period is provided for Non DBT Payments, PFMS will ignore it and will not apply any validations too. Fields/Tags which are not applicable for particular payment type like Expenditure will be ignored by PFMS and will not be checked. External system should not provide any value for these tags.

After applying all the validations as mentioned above, if all the records pass the validations then the file will be accepted for further processing otherwise complete file will be rejected and information will be sent back to the External System Portal.

All the beneficiaries in one payment file should correspond to payment from one agency only.

Acknowledgement will be sent back to the External System Portal even though all the records pass the validations and file has been accepted for further processing. So if there were issues in some records, reasons for rejection will be provided for those records and for the records which pass the validations, there will not be any details for those records. Batch Id provided by the External System Portal in the payment file will be used as reference number for communication.

PFMS by default give priority to Aadhaar based payments. If you intend to make payments specifically using any mode say Aadhaar or Bank account based, please provide the details of only preferred mode to PFMS in the payment file.

In case payment is to be routed through PFMS, payment files should mandatorily come with User Digital Signature to PFMS.

4.1.6 Payment File Acknowledgement

Following is the list of fields which are to be included in Payment file Acknowledgement XML file:

S.No	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					
1.	Unique Message Id	EATPaymentAck/ CstmrPmtAckRpt/ GrpHdr/MsgId	Y	Varchar(27)	<p>This is a unique identifier for the message (file) for tracking and troubleshooting purpose. We can keep the MessageId in <Source System Id given by PFMS>EATPAYACKDDMMYYYY NN format, where <Source System Id given by PFMS> stand for four digits Source System Id which is given by PFMS. EATPAYACK stands for EAT Payment Acknowledgement, DD for day, MM for month, YYYY for year and N for a sequence number for a day and can go up to 9999999 starting from 1. i.e. the message id can be 0002EATPAYACK050620181 for the first message generated on 5-Jun 18 or 0002EATPAYACK29052018310 9 for the 109th message generated on 29-May-18.</p>

S.No	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
2.	Message Date Time	CstmrPmtAckRpt/ GrpHdr/CreDtTm	Y	Datetime	It is date and time when the message is generated in source system.
3.	Records Count	CstmrPmtAckRpt/ GrpHdr/NbOfTxns	N	Int	This attribute will contain the number of records of Beneficiary which has been rejected from the payment request file. This tag will be present only if the GrpSts = 'RJCT' Count of TxnInfAndSts tag
4.	Data Source	CstmrPmtAckRpt / GrpHdr/Src	Y	Varchar(5)	Since this file is always sent by PFMS the value for this attribute will always contain "PFMS".
5.	Destination	CstmrPmtAckRpt/ GrpHdr/Dest	Y	Varchar(5)	As allotted by PFMS
6.	Original Message Id	CstmrPmtAckRpt/ GrpHdr/ OrgnlGrpInfAndSts / OrgnlMsgId	Y	Varchar(25)	Original Message Id received in Payment Request file
7.	Created date time of Original File	CstmrPmtAckRpt/ GrpHdr/ OrgnlGrpInfAndSts / OrgnlCreDtTm	Y	Datetime	Created date time of Original File
8.	Group Status /File Level Status	CstmrPmtAckRpt/ GrpHdr/ OrgnlGrpInfAndSts / GrpSts	Y	Varchar(4)	File Level Status ACCP = Accepted RJCT = Rejected
9.	Batch Id	CstmrPmtAckRpt/ GrpHdr/ OrgnlGrpInfAndSts / OrgnlPmtInfId	Y	Varchar(16)	As received from the External System Portal in the Payment file
10.	Group Error Code	CstmrPmtAckRpt/ GrpHdr/ GrpStsRsnInf/ Rsn/Cd	N	Varchar(10)	Error Code if the entire file is rejected due to File format error or File level Validation failure. In case of this issue, beneficiary details will not be provided in the response file. <i>Rsn/Cd</i> tag will be repeated for multiple errors under <i>GrpStsRsnInf</i> tag.

S.No	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
11.	Group Error Description	CstmrPmtAckRpt/ GrpHdr/ GrpStsRsnInf/ Rsn/AddtlInf	N	Varchar(50)	Error Description Rsn/AddtlInf tag will be repeated for multiple errors under GrpStsRsnInf tag.
Below tags will be repeated for Beneficiary payment record which has been rejected from the payment file if the <i>GrpSts = 'RJCT'</i>					
12.	Original End to End Id	CstmrPmtAckRpt/ OrgnlPmtInfAndsts / TxInfAndsts/ OrgnlEndToEndId	Y	Varchar(16)	Unique Credit Transaction Id given by External System Portal
13.	PFMS Beneficiary/Payee Code	CstmrPmtAckRpt/ OrgnlPmtInfAndsts / TxInfAndsts / PFMSId	Y	Varchar(50)	Beneficiary Code in PFMS System
14.	Record Level Status	CstmrPmtAckRpt/ OrgnlPmtInfAndsts / TxInfAndsts/Txsts	Y	Varchar(4)	Record Level Status for the Beneficiary ACCP = Accepted RJCT = Rejected
15.	Reject/Failure Reason Code	CstmrPmtAckRpt/ OrgnlPmtInfAndsts / TxInfAndsts/ StsRsnInf/Rsn/Cd	Y when Txsts is RJCT	Varchar(10)	This tag will be repeated in case of error if Record Level Status = 'RJCT'.
16.	Reject/Failure Reason Narration	CstmrPmtAckRpt/ OrgnlPmtInfAndsts / TxInfAndsts/ StsRsnInf/Rsn/AddtlInf	Y when Rsn/Cd is available	Varchar(100)	Reject/Failure Reason Narration.

4.1.7 EAT Payment File Acknowledgement XML structure

EAT Payment File Acknowledgement (From PFMS):

```
<EATPaymentAck xmlns="http://cpsms.nic.in/EATPaymentAck">
  <CstmrPmtAckRpt>
    <GrpHdr>
      <MsgId>Unique Message Identifier</MsgId>
      <CreDtTm>2012-06-29T15:49:00</CreDtTm>
      <NbOfTxns>3</NbOfTxns> -- Number of records
      <Src>CPSMS</Src> --Source System name / Sender
      <Dest>State Scheme Source System Code</Dest>
      <OrgnlGrpInfAndsts> -- Original Transaction Batch Reference
        <OrgnlMsgId>Original Message Id</OrgnlMsgId>
        <OrgnlCreDtTm>2012-06-28T14:25:00</OrgnlCreDtTm>
        <GrpSts>RJCT</GrpSts>
        <OrgnlPmtInfId> Batch ID</OrgnlPmtInfId>
      </OrgnlGrpInfAndsts>

      <GrpStsRsnInf>
        <Rsn>
```

```

</Cd>
<AddtlInf/>
</Rsn>
</GrpStsRsnInf>

</GrpHdr>
<OrgnlPmtInfAndSts>
<TxInfAndSts>
<OrgnlEndToEndId>OriginalEndToEndId</OrgnlEndToEndId>
<PFMSId>PFMS Beneficiary Code</PFMSId>
<TxSts>RJCT</TxSts> ---Code for complete or partial accepted Or rejected
<StsRsnInf>
<Rsn>
<Cd>R05</Cd>
<AddtlInf>Narration</AddtlInf>
</Rsn>
</StsRsnInf>
</TxInfAndSts>
</OrgnlPmtInfAndSts>
</CstmrPmtAckRpt>
</EATPaymentAck>

```

In case Payment Request file is rejected, the above acknowledgement XML file will contain list of records which do not pass the validations and the reason of rejection for the same.

4.1.8 EAT Payment File Response

EAT Payment Response file will be sent from PFMS to External System portal only in the case for which the payment file is successfully accepted by PFMS after passing all the validations and file was sent for making actual payments i.e. response will be shared only if the file was sent to PFMS for making the payments and will not be generated for MIS type transactions

Following fields will be sent in the Payment File Status file back to the External System Portal by placing the file in the SFTP server.

S. No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					
1.	Unique Message Id	EATPaymentStatus/ CstmrCdtTrfInitn/ GrpHdr/MsgId	Y	Varchar(25)	This is a unique identifier for the message (file) for tracking and troubleshooting purpose. Format for the same will be <Source System Id given by

S. No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
					<p>PFMS>EATPAYSTSDDMMYYYY_NN format, where <Source System Id given by PFMS> stand for four digits Source System Id which is given by PFMS, EATPAYSTS stands for EAT Payment status reporting, DD for day, MM for month, YYYY for year and N for a sequence number for a day i.e. the message id can be 0019EATPAYSTS05 062018_1 for the first message generated on 5-Jun 16 or 0019EATPAYSTS29 052018_109 for the 109th message generated on 29-May-18.</p>
2.	Message Date Time	CstmrCdtTrfInitn/ GrpHdr/CreDtTm	Y	Datetime	It is date and time when the message is generated in PFMS
3.	Records Count	CstmrCdtTrfInitn/ GrpHdr/NbOfTxns	Y	Int	<p>This attribute will contain the number of beneficiary payments included in the file. It will always be more than zero.</p> <p>Count of CdtTrfTxInf tag</p>

S. No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
4.	Data Source	CstmrCdtTrfInitn/ GrpHdr/Src	Y	Varchar(5)	Since this file is always sent to PFMS the value for this attribute will always contain "PFMS".
5.	Destination	CstmrCdtTrfInitn/ GrpHdr/Dest	Y	Varchar(5)	As allotted by PFMS e.g. Value for Punjab DBT App is '0002'
6.	Debit Advice No.	CstmrCdtTrfInitn/ GrpHdr/ PmtInf /DbAdvcNo	N	Varchar(16)	Debit Advice no. as generated by PFMS and shared with bank by PFMS. Not applicable for MIS type transactions
7.	External System Payment file identifier	CstmrCdtTrfInitn/ GrpHdr/ PmtInf/ SrcSystmIdntfr/Ord rNo	N	Varchar(50)	Token no./Payment Transaction ID as received from external system in the payment file
8.	Batch ID	CstmrCdtTrfInitn/ GrpHdr/PmtInf/ SrcSystmIdntfr /PmtInfId	Y	Varchar(16)	As received from External Source System
Below is Repetitive Information for each beneficiary					
9.	Instruction Id	CstmrCdtTrfInitn/ /CdtTrfTxInf/ PmtId/InstrId	N	Varchar(16)	UTR No. as returned by Bank to PFMS
10.	Unique Credit Transaction Id	CstmrCdtTrfInitn/ /CdtTrfTxInf/ PmtId/EndToEndId	Y	Varchar(16)	As generated in the source system and received in the payment file from external system. It should be unique across all transactions.
11.	CPSMS Credit Transaction ID	CstmrCdtTrfInitn/ /CdtTrfTxInf/ PmtId/CrTxID	Y	Varchar(16)	Unique Credit Transaction ID generated by PFMS and shared with banks by PFMS

S. No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
12.	Payee Code	CstmrCdtTrfInitn//CdtTrfTxInf/Cdtr/PFMSId	Y	Varchar(50)	PFMS Payee Code provided in response file.
13.	Payment Credit Status	CstmrCdtTrfInitn//CdtTrfTxInf/TxSts	Y	Varchra(4)	ACCP=Accepted DACP=Deemed Success RJCT=Rejected
14.	Credit Date	CstmrCdtTrfInitn//CdtTrfTxInf/ TxDt	Y	Datetime	Credit Date as reported by bank The Format will be YYYY-MM-DDTHH:MM:SS YYYY stands for Year MM stands for Month DD stands for Date HH stands for hour MM stands for minute SS stands for seconds
15.	Rejection Reason Code	CstmrCdtTrfInitn//CdtTrfTxInf/StsRsnInf/Rsn/Cd	Y when TxSts is RJCT	Varchar(10)	Rejection Reason Code
16.	Rejection Narration	CstmrCdtTrfInitn//CdtTrfTxInf/StsRsnInf/Rsn/AddtlInf	Y when Rsn/Cd is given	Varchar(100)	Rejection Reason Narration
17.	Aadhaar Number As Per Bank	CstmrCdtTrfInitn//CdtTrfTxInf/AddtlInfAPBS/BBSOSE	Yes if bank provide Aadhaar Number	Varchar(12)	Beneficiary Aadhaar no. as given by bank for APBS payment
18.	Payee Bank Account Number as per Aadhaar	CstmrCdtTrfInitn//CdtTrfTxInf/AddtlInfAPBS/BBAccNo	Yes if bank provide Account No.	Varchar(35)	Payee Bank Account Number given by bank for APBS payment
19.	Payee Name as per bank for Aadhaar payment	CstmrCdtTrfInitn//CdtTrfTxInf/AddtlInfAPBS/BBNm	Yes if bank provide Payee Name	Varchar(100)	Payee Name given by bank for APBS payment
20	Payee Bank Name as per Aadhaar	CstmrCdtTrfInitn//CdtTrfTxInf/AddtlInfAPBS/BN	Yes if bank provide	Varchar(100)	Bank Name given by bank for APBS

S. No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
			Bank Name		payment

NOTE:

Now, PFMS has started receiving **Deemed success (unrecognized)** status from the bank and will share the same with the external system. Revised status after **Deemed success** will also be shared by PFMS.

After **Deemed success**, status can be revised to **accept** or **reject**. But once the payment status is marked as accepted or rejected, bank wouldn't be able to overwrite it as **Deemed success**.

4.1.9 EAT Payment File Response XML structure:

Payment Status Response XML File Structure (From PFMS):

```

<EATPaymentStatus xmlns="http://cpsms.nic.in/EATPaymentStatus">
  <CstmrCdtTrfInitn>
    <GrpHdr>

      <MsgId>Unique Message Identifier</MsgId>
      <CreDtTm>2013-02-13T14:07:00</CreDtTm>
      <NbOfTxns>3</NbOfTxns>
      <Src>PFMS</Src>
      <Dest>External System Code</Dest>
      <PmtInf>
        <DbAdvcNo>PFMS Debit Advice no. </ DbAdvcNo>
        <SrcSystmIdntfr>
          <OrdrNo> FTO No. </OrdrNo>
          <PmtInfId>Batch Number</PmtInfId>
        <SrcSystmIdntfr>
      </PmtInf>

    </GrpHdr>
    <CdtTrfTxInf>
      <PmtId>
        <InstrId>UTR No.</InstrId>
        <EndToEndId>Credit Transaction Id as given by External System</EndToEndId>
        <CrTxID> Unique Credit Transaction ID generated by PFMS </CrTxID >
      </PmtId>
      <Cdtr>
        <PFMSId>Payee Code in PFMS</PFMSId>
      </Cdtr>
      <TxSts>ACCP/RJCT</TxSts>
      <TxDt>Transaction Execution Date as per Bank</TxDt >
      <StsRsnInf>
        <Rsn>
          <Cd>R05</Cd>
          <AddtlInf>Narration</AddtlInf>
        </Rsn>
      </StsRsnInf>
    </CdtTrfTxInf>
  </CstmrCdtTrfInitn>
</EATPaymentStatus>

```

```

</StsRsnInf>
<AddtlInfAPBS>
  <BBSOSE>BBSOSE</BBSOSE>
  <BBAccNo>BBAccNo</BBAccNo>
  <BBNm>BBNm</BBNm>
  <BN>BN</BN>
</AddtlInfAPBS>
</CdtTrfTxInf>

</CstmrCdtTrfInitn>
<EATPaymentStatus>

```

PFMS will share the actual credit success/failure as received from bank with External System Portal. PFMS may send multiple incremental response based on status received from banks.

4.2 Inter Bank Transfer

This is to be used for transfer of funds from one bank account of agency to other bank account of agencies. Both the bank accounts must be registered in PFMS.

4.2.1 File Naming Convention

Name of the files will be used as per Unique Message Id ([GrpHdr/MsgId](#)) format so the unique file name can be exchanged with PFMS.

4.2.2 SFTP Server Folder Details

The table below summarizes the SFTP Folder details:

Data	Source	FTP Folder Location	Destination	Polling Interval	Folder Permissions
Inter Bank Transfer Payment Request	TSA portal	[PFMS\<Source System Id>\InterBankTransferData\ToPFMS]	PFMS	As and when new Inter Bank Payment is initiated	PFMS to have Read, Write & Delete Access on Folder
Inter Bank Transfer Payment Acknowledgement	PFMS	[PFMS\<Source System Id>\InterBankTransferData\FromPFMS\]	External System Portal	For every EAT Inter Bank Payment Request	PFMS to have Read and Write Access on Folder
Inter Bank Transfer Payment	PFMS	[PFMS\<Source System Id>\]	External System	For every EAT Payment Request	PFMS to have Read and

Status Response		InterBankTransferData \FromPFMS\	Portal	if Payment file is successfully accepted at PFMS	Write Access on Folder
-----------------	--	----------------------------------	--------	--	------------------------

4.2.3 Field List for Inter Bank Transfer Payment File

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					
1	Unique Message Id	CstmrCdtTrfInitn / GrpHdr/MsgId	Y	Varchar(25)	This should be same as the file name without extension of file name. Format should be <Source System Id given by PFMS>IBTPAYREQDDMMYY YYNN format. N should start 1 with for a particular day and can go upto any value
2	Source System ID	CstmrCdtTrfInitn / GrpHdr/Src	Y	Char(5)	This is static code issued by PFMS for each application. Also called Data Source ID alternatively
3	Initiating party	CstmrCdtTrfInitn/ GrpHdr/InitgPty/Ptry/Id	Y	Varchar(50)	Agency Code. Details to be taken from PFMS.

4	Batch ID	CstmrCdtTrfInitn/ GrpHdr/PmtInf/PmtIn fId	Y	Varchar(17)	Format: PNNNNDDMMYYYYXXXX (Total 17 characters. P is fixed for payment file. NNNN refers to the 4 digit Source System Id allotted by PFMS, DDMMYYYY represent the date and XXXX represent running serial no. By following this structure, Batch ID should be unique throughout the lifecycle of integration. And It should start with 1 for a particular day. E.g. P0021050420181
5	Batch Date	CstmrCdtTrfInitn/ GrpHdr/ PmtInf/PmtInfDt	Y	Date	YYYY-MM-DD format Batch Date
6	Transaction status	CstmrCdtTrfInitn/ /PmtTxDtls/TxSts	Y	Int	Status of Transaction. Provide values as mentioned below Approved-1 ,Authorized with DSC- 2
7	Actual Transaction Date	CstmrCdtTrfInitn/ PmtTxDtls/TxDt	Y/N	DateTime	Actual Transaction Date. Not applicable for ePayments The Format will be YYYY- MM-DDTHH:MM:SS YYYY stands for Year MM stands for Month DD stands for Date HH stands for hour MM stands for minute SS stands for seconds For eg 2013-02- 13T14:07:00
8	Financial Year	CstmrCdtTrfInitn/ PmtTxDtls/FinYr	Y	Int	YYYY format financial year. For eg., for FY 2017-2018, 2018 will be considered
9	From Project Id	CstmrCdtTrfInitn/ DbtrTxInf/SrcId	N	Int	Details to be taken from PFMS. This Project Id belongs to Debit Project. Applicable in case project wise expenditure is done

10	From Scheme	CstmrCdtTrfInitn/ DbtrTxInf/FrmSchme	Y	Varchar(25)	For Debit. Details to be taken from PFMS.
11	Bank Account No.	CstmrCdtTrfInitn/ DbtrTxInf/ /DbtrAcct/Id/BBAN	Y	Varchar(34)	For Debit. Details to be taken from PFMS
12	IFSC Code	CstmrCdtTrfInitn/ DbtrTxInf /DbtrAcct/FinInstnI d/BrnchId	Y	Varchar(11)	For Debit. Details to be taken from PFMS
13	Transfer Amount	CstmrCdtTrfInitn/ DbtrTxInf/Amt	Y	Numeric(18,2)	Amount to be transferred
14	Approver Remarks	CstmrCdtTrfInitn/ DbtrTxInf/ RmtInf/RltdInf/Rem	N	Nvarchar(500)	If any
15	Source System Transaction No.	CstmrCdtTrfInitn/ CdtTrfTxInf/ EndToEndId	Y	Varchar(16)	As generated in the source system It should be unique across all transactions throughout the life of integration
16	Source System Transaction No.	CstmrCdtTrfInitn/ CdtTrfTxInf/ EndToEndId	Y	Varchar(16)	As generated in the source system It should be unique across all transactions throughout the life of integration
17	To Scheme	CstmrCdtTrfInitn/ CdtTrfTxInf/ToSchme	Y	Varchar(25)	For Credit. Details to be taken from PFMS.
18	Payment Mode	CstmrCdtTrfInitn/ CdtTrfTxInf/PmtMd	Y	Int	1 for DD, 2 for Cheque , 3 for ECS/NACH , 4 for NEFT/RTGS , 5 for Cash, 6 for ePayment using DSC through PFMS
18	Instrument number	CstmrCdtTrfInitn/ CdtTrfTxInf/ PmtId/InstrId	'Y' for MIS transactions.	Varchar(20)	Cheque No./DD No./RTGS No Etc. Not applicable for Payment mode 6
18	Bank Account No.	CstmrCdtTrfInitn/ CdtrTxInf/ CdtrAcct/Id/BBAN	Y	Varchar(34)	For Credit.

19	IFSC Code	CstmrCdtTrfInitn/ CdtrTxInf/ CdtrAcct/FinInstnId /BrnchId	Y	Varchar(11)	For Credit.
20	Favoring	CstmrCdtTrfInitn/ CdtTrfTxInf/ CdtrPrty/Nm	Y	Varchar(100)	Account Holder /Payee Name
21	NarrationForPassBook	CstmrCdtTrfInitn/ CdtTrfTxInf/ StsRsnInf/Rsn/Addtl Inf	N	Varchar(35)	For printing in the bank account statement. Not applicable for MIS

4.2.4 Validation of Inter Bank Transfer Payment File:

After receiving the file from External System Portal, validations as mentioned below will be applied

S.No.	Error Code	Error Description
1	CLE0001	Message ID should be same as File name without extension
2	CLE0002	Invalid Initiating Party i.e Agency Code
3	CLE0003	Invalid Value for Transaction Status
4	CLE0004	Duplicate System Transaction no.
5	CLE0005	Invalid Project ID
6	CLE0006	Provided Bank account no. does not belong to initiating party
7	CLE0007	Invalid Bank account status in PFMS
8	CLE0008	Invalid IFSC Code or IFSC code does not match with IFSC code registered in PFMS
9	CLE0009	Duplicate Batch ID
10	CLE0010	Invalid Format for Batch Date
11	CLE0011	Duplicate Unique message ID
12	CLE0012	Invalid Component ID
13	CLE0013	Component amount should be more than Zero
14	CLE0014	Invalid Payment Mode. Allowed values are 1,2,3,4,5 and 6 only
15	CLE0015	Actual Transaction Date <= System Date
16	CLE0016	Invalid Format for Actual Transaction Date. Allowed Format is YYYY-MM-DDHH:MM:SS

17	CLE0017	File is not Digitally signed or Consistence check fails
18	CLE0018	Digital signature provided in the file is not already enrolled in the PFMS
19	CLE0019	Mandatory Fields Value Missing
20	CLE0020	Invalid Batch Format. It should be PNNNNDDMMYYYYXXXX (Total 17 characters. P is fixed for payment file. NNNN refers to the 4 digit Source System Id allotted by PFMS, DDMMYY represent the date and XXXX represent running serial no
21	CLE0021	Invalid Financial Year

4.2.5 XML File Structure

Below is the proposed format of the XML file sent to PFMS for Inter Bank Transfer.

```

<EATInterBankTransfer xmlns="http://cpsms.nic.in/EATInterBankTransfer">
    <CstmrCdtTrfInitn>
        <GrpHdr>
            <MsgId>0012IBTPAYREQ0908201812</MsgId>
            <Src>0012</Src >
            <InitgPty>
                <PrTry>
                    <Id>2456</Id>
                </PrTry>
            </InitgPty>
            <PmtInf>
                <PmtInfId>PNNNN09082018159</PmtInfId>
                <PmtInfDt>2018-08-09</PmtInfDt>
            </PmtInf>
        </GrpHdr>
        <PmtTxDtls>
            <TxSts>2</TxSts>
            <TxDt>2018-08-3T14:07:00</TxDt>
            <FinYr>2018</FinYr>
        </PmtTxDtls>
        <DbtrTxInf>
            <SrcId>18</SrcId>
            <FrmSchme>9156</FrmSchme>
            <DbtrAcct>
                <Id>
                    <BBAN>30001216371411</BBAN>
                </Id>
                <FinInstnId>
                    <BrnchId>12345678912</BrnchId>
                </FinInstnId>
            </DbtrAcct>
            <Amt>2000</Amt>
            <RmtInf>
```

```

        <RltdInf>
            <Rem>Debit Amount</Rem>
        </RltdInf>
    </RmtInf>
</DbtrTxInf>
<CdtTrfTxInf>
    <EndToEndId>12365</EndToEndId>
        <ToSchme>9148</ToSchme>
    <PmtMd>6</PmtMd>

    <CdtrAcct>
        <Id>
            <BBAN>30001216371411</BBAN>
        </Id>
        <FinInstnId>
            <BrnchId>12365478956</BrnchId>
        </FinInstnId>
    </CdtrAcct>
    <CdtrPrty>
        <Nm>Shivani Bansal</Nm>
    </CdtrPrty>

    <StsRsnInf>
        <Rsn>
            <AddtlInf>Credit Information</AddtlInf>
        </Rsn>
    </StsRsnInf>
</CdtTrfTxInf>
</CstmrCdtTrfInitn>
<Signature xmlns="http://www.w3.org/2000/09/xmldsig#">
<SignedInfo>
<CanonicalizationMethodAlgorithm="http://www.w3.org/TR/2001/REC-xml-c14n-20010315" />
<SignatureMethodAlgorithm="http://www.w3.org/2000/09/xmldsig#rsa-sha1" />
<ReferenceURI="">
<Transforms>
<TransformAlgorithm="http://www.w3.org/2000/09/xmldsig#enveloped-signature" />
<TransformAlgorithm="http://www.w3.org/TR/2001/REC-xml-c14n-20010315#WithComments" />
</Transforms>
<DigestMethodAlgorithm="http://www.w3.org/2000/09/xmldsig#sha1" />
<DigestValue>ORIMgATDWFxSCd09dnx226rGfeE=</DigestValue>
</Reference>
</SignedInfo>
<SignatureValue>
    q1XuY3SE4hSVr7iPvFgvrqWBLikm3EwiBZLFc0zb+dvNhIu7WJcy8PvJLgfjCTBg1zbgkazC5YIi
    yp0zJFTHyen2pLzEYfJTk9yWEsiy7PN3ZHFH18uWNt6Flq2DmqutXjBVgMNX0mMcrBhMX96rwm8N
    YMw8NZKzP63rukjV4mLprVw8H0ijkw50PIb8Y7cZKDUiHfB34CcwpEuVjhPZfibOAbK1YjRACJ0i
    UsnjrHhRSCKrNbgevdQAQkZ/1Ij2ibRn9AZ2eVJieFdHDaGwcGShqo2yTq005CjtZegXW55mfZud
    cw1oMD1jUAr5tmDbPINr3AR4Ild100oy6646Wg==
</SignatureValue>
<KeyInfo>
<X509Data>
<X509Certificate>

```

```

MIID6DCCAtCgAwIBAgIKVgQ37ClrrLtPnzANBhkqkG9w0BAQsFADBjMQswCQYDVQQGEwJJTjEk
MCIGA1UEChMbTmF0aW9uYWwgSW5mb3JtYXRpY3MgQ2VudHJ1MQ8wDQYDVQQLewZzdWIgQ0ExHTAb
BgNVBAMTFFR1c3QgTk1DIFN1Yi1DQSAyMDEyMB4XDTEzMDIyNzA1MDk0MVoxDTE1MDIyNjA1MDk0
MVowEjEQMA4GA1UEAxMHND1MTEMUzCCASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAM1B
poQMGhDX08PVAJWEeu0SmzPNeQWkWz6IsLCm7Uz4QhWtPo1ETo3CU1XMSKAN1b30Q6+qEBaDPLz
pw4nf3T6PvQg+rY86qg3vDei5Ek/pzeHGGX7t3HFBBgjygx9yrulIrivrqP4znX2UVSAteqfxj8Y
YWPaVCYTDSaaie9qqCCuGcs6e537K97J0E3imzcQvGbZJ1hgsezI2gZUQPjzr6Mm+pdwoyQE0yF
0shYegw14CETZYaDuc5VaqrF6sDF9e+syFeKvpKmbtCnx+g0x6PIBh9AC8p5NAjqmKsbCURSIIDu
Hh3x4HOMkxZ8yDiEKQgDKh6wloPGtf9df38CAwEAaOB7jCB6zAOBgNVHQ8BAf8EBAMCBaAwHQYD
VR00BBYEFnA+QErP8nS1kZIZK76H6K+yu7aMB8GA1UDIwQYMBaAFLWgMPq07xnMxRokahDsgQAm
ks55MB0GA1UDJQQWMBQGCCsGAQUFBwMBBggRbgEFBQcDAjA4BgNVHSAEMTAwMC0GBmCCZGQCAjAj
MCEGCCsGAQUFBwICMBUaE0NsYXNzIDIgQ2VydGlmaWNhGUwDwYDVR0RBAgwBocECqAiCzAvBgNV
HR8EKDAmMCSgIqAghh5odHRwOi8vMTAuMTAuMy9jcmxfNDAwQi5jcmwwDQYJKoZIhvcNAQEL
BQADggEBAEzkaSGnFFFpeQNq/8+MLTfY5KU10Rn3SEc2EyrqdINGP6iM5zfmBrskOKz7Ii1cjRkg
C80A23oCqkmzxJQG/A4NyzLfyoEJD9M9vfNZnoCGUpYfy+9sZ/MbT/JGGpcBDH6Rj7a5GcvLRz8M
bjHyMz/4zPhKMVypPiw6qu2AAiIVCa5Nu13JYKedIRaJHUdnvgpHg+hnS74SihsAb/PnGYXQ8bh
+9dG/H89XwChWa8vJ6w3NVhN9q84aqFNxIPJLeDCk9xj1TuBt+Kv4eY3ldwDaGEPr8DZJ/lBI3jF
d25Ln3+/HMD1HSVb/cDGQdsC+B51wTryX9sNgwZibjtfdLg=
</X509Certificate>
</X509Data>
<KeyValue>
<RSAKeyValue>
<Modulus>
yUGmhAwYeENC7w9UA1YR67RKbM815BaRbPoiwsKbtTPhCFa0+jUROjcJSVcxIoA2VvfRDr6oQFoM
8vOnDid/dPo+9CD6tjzqqDe8N6LkST+nN4cYZfu3ccUEGCPKDh3Ku6Uiuk+uo/j0dfZRVIC16p/G
PxhhY9pUjhMNjpqKF72qoIK4Zyzp7nfsr3snQTeKbNxC8ZtknWGCx7MjaB1RA+POvoyb613CjJAT
TIXSyFh6DCXgIRN1ho05z1VqqXqwxMX176zIV4q+kqZu0KfH6A7Ho8gGH0ALynk0C0qYqxsJRFIg
g04eHfHgc4yTFnzIOIQuCAMqHrCWg8a1/11/fw==
</Modulus>
<Exponent>AQAB</Exponent>
</RSAKeyValue>
</KeyValue>
</KeyInfo>

```

```

</Signature>
</EATInterBankTransfer>

```

4.2.6 Inter Bank Transfer Payment File Acknowledgement

Following is the list of fields which are to be included in Payment file Acknowledgement XML file:

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					
1	Unique Message Id	CstmrPmtAckRpt/ GrpHdr/MsgId	Y	Varchar(27)	<p>This is a unique identifier for the message (file) for tracking and troubleshooting purpose. We can keep the MsgId in <Source System Id given by PFMS>IBTPAYACKDDMMYYYYN format, where <Source System Id given by PFMS> stand for four digits Source System Id which is given by PFMS. IBTPAYACK stands for InterBank transfer payment acknowledgement, DD for day, MM for month, YYYY for year and N for a sequence number for a day and can go up to 999999 starting from 1.</p> <p>i.e. the message id can be 0002IBTPAYACK050620181 for the first message generated on 5-Jun 18</p>
2	Message Date Time	CstmrPmtAckRpt/ GrpHdr/CrdDtTm	Y	Datetime	It is date and time when the message is generated in source system.
3	Data Source	CstmrPmtAckRpt / GrpHdr/Src	Y	Varchar(5)	Since this file is always sent by PFMS the value for this attribute will always contain "PFMS".
4	Destination	CstmrPmtAckRpt / GrpHdr/Dest	Y	Varchar(5)	As allotted by PFMS
5	Original Message Id	CstmrPmtAckRpt/ OrgnlGrpInfAndSts / OrgnlMsgId	Y	Varchar(25)	Original Message Id received in Payment Request file

6	Created date time of Original File	CstmrPmtAckRpt/ OrgnlGrpInfAndSts /OrgnlCreDtTm	Y	Datetime	Created date time of Original File
7	Batch Id	CstmrPmtAckRpt/ OrgnlPmtInfAndSts /OrgnlPmtInfId	Y	Varchar(16)	As received from the External System Portal in the Payment file
8	Group Status /File Level Status	CstmrPmtAckRpt/ OrgnlGrpInfAndSts /GrpSts	Y	Varchar(4)	File Level Status ACCP = Accepted RJCT = Rejected
9	Reject/Failure Reason Code	CstmrPmtAckRpt/ OrgnlGrpInfAndSts / TxInfAndSts/ StsRsnInf/Rsn/ Cd	Y when TxSts is RJCT	Varchar(10)	This tag will be present in case of error if Group Status = 'RJCT'.
10	Reject/Failure Reason Narration	CstmrPmtAckRpt/ OrgnlGrpInfAndSts / TxInfAndSts/ StsRsnInf/Rsn/ AddtlInf	Y when Rsn/Cd is available	Varchar(100)	Reject/Failure Reason Narration.

Table 6

4.2.7 Inter Bank Transfer Payment File Acknowledgement XML Structure

EAT Payment File Acknowledgement (From PFMS):

```

<IBTPaymentAck xmlns="http://cpsms.nic.in/EATPaymentAck">
<CstmrPmtAckRpt>
  <GrpHdr>
    <MsgId>0046IBTPAYACK1812201811</MsgId>
    <CreDtTm>2018-12-20T11:14:15.547</CreDtTm>
    <Src>PFMS</Src>
    <Dest>0046</Dest>
  </GrpHdr>
  <OrgnlGrpInfAndSts>
    <OrgnlMsgId> 0046IBTPAYREQ141220182 </OrgnlMsgId>
      <OrgnlCreDtTm>2018-12-18T18:04:04.690</OrgnlCreDtTm>
      <OrgnlPmtInfId> PNNNN09082018159 </OrgnlPmtInfId>
      <GrpSts>RJCT</GrpSts>
      <TxInfAndSts>
        <StsRsnInf>
          <Rsn>
            <Cd> CLE00019 </Cd>
            <AddtlInf> Mandatory Fields Value Missing </AddtlInf>
          </Rsn>
        <Rsn>

```

```

<Cd> CLE0002</Cd>
<AddtlInf> Invalid Initiating Party i.e Agency Code</AddtlInf>
</Rsn>
<Rsn>
<Cd> CLE0004</Cd>
<AddtlInf> Duplicate System Transaction no</AddtlInf>
</Rsn>
<Rsn>
<Cd> CLE0007</Cd>
<AddtlInf> Invalid Bank account status in PFMS</AddtlInf>
</Rsn>
<Rsn>
<Cd> CLE0008</Cd>
<AddtlInf> Invalid IFSC Code or IFSC code does not match with IFSC code registered in
PFMS</AddtlInf>
</Rsn>

</StsRsnInf>
</TxIn�AndSts>
</OrgnlGrpIn�AndSts>
</CstmrPmtAckRpt>
</IBTPaymentAck>

```

4.2.8 Inter Bank Transfer Payment File Response

Inter Bank Transfer Payment Response file will be sent from PFMS to External System portal only in the case for which the payment file is successfully accepted by PFMS after passing all the validations and file was sent for making actual payments i.e. response will be shared only if the file was sent to PFMS for making the payments.

Following fields will be sent in the Payment File Status file back to the External System Portal by placing the file in the SFTP server.

S. No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					
1	Unique Message Id	IBTPaymentStatus/ CstmrCdtTrfInitn/ GrpHdr/MsgId	Y	Varchar(25)	This is a unique identifier for the message (file) for tracking and troubleshooting purpose. Format for the same will be <Source System Id given by PFMS>IBTPAYSTSDDMMYY YYYN format, where

S. No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
					<Source System Id given by PFMS> stand for four digits Source System Id which is given by PFMS, IBTPAYSTS stands for Inter Bank Transfer Payment status reporting, DD for day, MM for month, YYYY for year and N for a sequence number for a day i.e. the message id can be 0019IBTPAYSTS05062016 1 for the first message generated on 5-Jun 16 or 0019IBTPAYSTS29052016 109 for the 109 th message generated on 29-May-16.
2	Message Date Time	CstmrCdtTrfInitn/ GrpHdr/CreDtTm	Y	Datetime	It is date and time when the message is generated in PFMS
3	Data Source	CstmrCdtTrfInitn/ GrpHdr/Src	Y	Varchar(5)	Since this file is always sent from PFMS the value for this attribute will always contain "PFMS".
4	Destination	CstmrCdtTrfInitn/ GrpHdr/Dest	Y	Varchar(5)	As allotted by PFMS e.g. Value for Punjab DBT App is '0002'
5	Debit Advice No.	CstmrCdtTrfInitn/ GrpHdr/ PmtInf /DbAdvcNo	N	Varchar(16)	Debit Advice no. as generated by PFMS and shared with bank by PFMS. Not applicable for MIS type transactions
6	External System Payment file identifier	CstmrCdtTrfInitn/ GrpHdr/ PmtInf/ SrcSystmIdntfr/Or drNo	N	Varchar(50)	Token no./Payment Transaction ID as received from external system in the payment file
7	Batch ID	CstmrCdtTrfInitn/ GrpHdr/PmtInf/ SrcSystmIdntfr /PmtInfId	Y	Varchar(16)	As received from External Source System

S. No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
8	Instruction Id	CstmrCdtTrfInitn/ /CdtTrfTxInf/ PmtId/InstrId	N	Varchar(16)	UTR No. as returned by Bank to PFMS
9	Unique Credit Transaction Id	CstmrCdtTrfInitn/ /CdtTrfTxInf/ PmtId/EndToEndId	Y	Varchar(16)	As generated in the source system and received in the payment file from external system. It should be unique across all transactions.
10	CPSMS Credit Transaction ID	CstmrCdtTrfInitn/ /CdtTrfTxInf/ PmtId/CrTxID	Y	Varchar(16)	Unique Credit Transaction ID generated by PFMS and shared with banks by PFMS
11	Payment Credit Status	CstmrCdtTrfInitn/ /CdtTrfTxInf/ TxSts	Y	Varchar(4)	ACCP=Accepted RJCT=Rejected
12	Credit Date	CstmrCdtTrfInitn/ /CdtTrfTxInf/ TxDt	Y	Datetime	Credit Date as reported by bank The Format will be YYYY-MM-DDTHH:MM:SS YYYY stands for Year MM stands for Month DD stands for Date HH stands for hour MM stands for minute SS stands for seconds For eg 2013-02-13T14:07:00
13	Rejection Reason Code	CstmrCdtTrfInitn/ /CdtTrfTxInf/ StsRsnInf/Rsn/Cd	Y when TxSts is RJCT	Varchar(10)	Rejection Reason Code
14	Rejection Narration	CstmrCdtTrfInitn/ /CdtTrfTxInf/ StsRsnInf/Rsn/AddtlInf	Y when Rsn/Cd is given	Varchar(100)	Rejection Reason Narration
15	Payee Bank Account Number	CstmrCdtTrfInitn/ /CdtTrfTxInf/ AddtlInfAPBS/BBAc cNo	Yes if bank provide Account No.	Varchar(35)	Payee Bank Account Number given by bank for APBS payment
16	Payee Name as per bank	CstmrCdtTrfInitn/ /CdtTrfTxInf/ AddtlInfAPBS/BBNm	Yes if bank provide Payee Name	Varchar(100)	Payee Name given by bank for APBS payment

S. No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
17	Payee Bank Name	CstmrCdtTrfInitn/ /CdtTrfTxInf/ AddtlInfAPBS/BN	Yes if bank provide Bank Name	Varchar(100)	Bank Name given by bank for APBS payment

4.2.9 Inter Bank Transfer Payment File Response XML Structure

Payment Status Response XML File Structure (From PFMS):

```

<IBTPaymentStatus xmlns="http://cpsms.nic.in/IBTPaymentStatus">
  <CstmrCdtTrfInitn>
    <GrpHdr>

      <MsgId>Unique Message Identifier</MsgId>
      <CreDtTm>2013-02-13T14:07:00</CreDtTm>
      <Src>PFMS</Src>
      <Dest>External System Code</Dest>
      <PmtInf>
        <DbAdvcNo>PFMS Debit Advice no. </ DbAdvcNo>
        <SrcSystmIdntfr>
          <OrdrNo> FTO No. </OrdrNo>
          <PmtInfId>Batch Number</PmtInfId>
        <SrcSystmIdntfr>
      </PmtInf>

    </GrpHdr>
    <CdtTrfTxInf>
      <PmtId>
        <InstrId>UTR No.</InstrId>
        <EndToEndId>Credit Transaction Id as given by External System</EndToEndId>
        <CrTxID> Unique Credit Transaction ID generated by PFMS </CrTxID >
      </PmtId>
      <TxSts>ACCP/RJCT</TxSts>
      <TxDt>Transaction Execution Date as per Bank</TxDt >
      <StsRsnInf>
        <Rsn>
          <Cd>R05</Cd>
          <AddtlInf>Narration</AddtlInf>
        </Rsn>
      </StsRsnInf>
      <AddtlInfAPBS>
        <BBAccNo>BBAccNo</BBAccNo>
        <BBNm>BBNm</BBNm>
        <BN>BN</BN>
      </AddtlInfAPBS>
    </CdtTrfTxInf>

  </CstmrCdtTrfInitn>
</IBTPaymentStatus>

```

PFMS will share the actual credit success/failure as received from bank with External System Portal.

4.3 Opening Balance

Following is the broad list of steps which needs to be followed by the PFMS and External System portal to register opening balance entry in PFMS. This format is meant for MIS purpose only and can't be used for making payment through PFMS

- A. Submission of Opening Balance File having Credit Information to PFMS by External System Portal
- B. Validation of Opening Balance File by PFMS
- C. If there is any validation/verification fails at file level or record level, then PFMS will send the status as 'RJCT' along with the reason for rejection .
- D. PFMS will send the Opening Balance File Acknowledgement to the External System portal as accepted, if the file is successfully accepted by PFMS

4.3.1 File Naming Convention

Name of the files will be used as per Unique Message Id ([GrpHdr/MsgId](#)) format so the unique file name can be exchanged with PFMS.

4.3.2 SFTP Server Folder Details

The table below summarizes the SFTP Folder details:

Data	Source	FTP Folder Location	Destination	Polling Interval	Folder Permissions
Opening Balance Request File	External System portal	[PFMS\<Source System Id>\OpeningBalanceData\ToPFMS]	PFMS	As and when new Opening Balance Request is initiated	PFMS to have Read, Write & Delete Access on Folder
Opening Balance Request File Acknowledgement	PFMS	[PFMS\<Source System Id>\OpeningBalanceData \FromPFMS\]	External System Portal	For every Opening Balance Request File	PFMS to have Read and Write Access on Folder

4.3.3 Opening Balance File Field List

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
-------	-------------	-------------------	-----------	-----------	---------

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					
1	Unique Message Id	CstmrCdtTrfInitn / GrpHdr/MsgId	Y	Varchar(25)	This should be same as the file name without extension of file name. Format should be <Source System Id given by PFMS>OPBUPDREQDDMMYYYN format. N should start 1 with for a particular day and can go upto any value
2	Source System ID	CstmrCdtTrfInitn / GrpHdr/Src	Y	char(5)	This is static code issued by PFMS for each application. Also called DataSource ID alternatively
3	Initiating Party	CstmrCdtTrfInitn/ GrpHdr/ InitgPty/PrTry/Id	Y	varchar(50)	Agency code for opening balance. Master to be taken from PFMS.
4	Batch ID	CstmrCdtTrfInitn/ GrpHdr/ PmtInf/PmtInfId	Y	Varchar(17)	Format: PNNNNDDMMYYYYXXXX (Total 17 characters. P is fixed for payment file. NNNN refers to the 4 digit Source System Id allotted by PFMS, DDMMYYYY represent the date and XXXX represent running serial no. By following this structure, Batch ID should be unique throughout the lifecycle of integration. And It should start with 1 for a particular day. E.g. P0021050420181
5	Batch Date	CstmrCdtTrfInitn/ GrpHdr/ PmtInf/PmtInfDt	Y	date	YYYY-MM-DD format Batch Date
6	Scheme Code	CstmrCdtTrfInitn/ GrpHdr/ OrgId/SchmeCd	Y	varchar(25)	Scheme code as allotted by PFMS Master to be taken from PFMS

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
7	Source System Transaction No.	CstmrCdtTrfInitn/ CdtTrfTxInf/ EndToEndId	Y	Varchar(16)	As generated in the source system It should be unique across all transactions throughout the life of integration
8	Bank Account No.	CstmrCdtTrfInitn/ CdtTrfTxInf/ CdtrAcct/Id /BBAN	Y	Varchar(35)	For Credit. Master to be taken from PFMS
9	IFSC Code	CstmrCdtTrfInitn/ CdtTrfTxInf/ CdtrAcct /FinInstnId/ BrnchId	'N' for MIS transactions.	Varchar(11)	For Credit. Master to be taken from PFMS
10	Opening Balance Amount	CstmrCdtTrfInitn/ CdtTrfTxInf/ Amt	Y	Numeric(18 ,2)	Opening Balance Amount
11	Opening Balance Date	CstmrCdtTrfInitn/ CdtTrfTxInf/ /CreDtTm	Y	Date	Format : YYYY-MM-DD
12	Transaction status	CstmrCdtTrfInitn/ CdtTrfTxInf/ /PmtTxDtls/TxSts	Y	int	Status of Transaction. Provide values as mentioned below Approved-1
13	Transaction type	CstmrCdtTrfInitn / CdtTrfTxInf/ /PmtTxDtls/TxTp	Y	char(1)	Bulk wise ('B') or component wise ('C')
14	Remarks	CstmrCdtTrfInitn/ CdtTrfTxInf/ PmtTxDtls/RmtInf/ RltdInf/Rem	N	Nvarchar(100)	If any
15	Project Id	CstmrCdtTrfInitn/ CdtTrfTxInf/ /AcctngEntty/Id	N	int	Wherever applicable. If applicable, details to be taken from PFMS.
16	Transaction Effect	CstmrCdtTrfInitn/ CdtTrfTxInf/ /TxEffct/Stts	M	bit	1 for Add, 2 for Reversal
Following is repetitive information for specifying component wise payment amount for individual schemes					
17	Scheme Component ID	CstmrCdtTrfInitn/ CdtTrfTxInf/ PymntHd/Id	N	Varchar(10 0)	
18	Component Amount	CstmrCdtTrfInitn/ CdtTrfTxInf/ PymntHd/Amt	N	Numeric(18 ,2)	

4.3.4 Validation of Opening Balance Payment File:

After receiving the file from External System Portal, validations as mentioned below will be applied

S.No.	Error Code	Error Description
1	COE0001	Value for Transaction effect not provided or is invalid. Allowed Values are '1' and '2'
2	COE0002	Opening Balance Date is greater than the current date
3	COE0003	Invalid Scheme Code
4	COE0004	Duplicate System Transaction no.
5	COE0005	Invalid Project ID
6	COE0006	Provided Bank account no. does not belong to initiating party
7	COE0007	Invalid Bank account status in PFMS
8	COE0008	Invalid IFSC Code or IFSC code does not match with IFSC code registered in PFMS
9	COE0009	Duplicate Batch ID
10	COE0010	Invalid Format for Date .allowed format is YYYY-MM-DD
11	COE0011	Duplicate Unique message ID
12	COE0012	Invalid Component ID
13	COE0013	Component amount should be more than Zero
14	COE0014	Mandatory Fields Value Missing
15	COE0015	Invalid Value for Transaction Type. Allowed Values are 'B' and 'C'
16	COE0016	Message ID should be same as File name without extension
17	COE0017	Invalid Batch Format. It should be PNNNNDDMMYYYYXXXX (Total 17 characters. P is fixed for payment file. NNNN refers to the 4 digit Source System Id allotted by PFMS, DDMMYY represent the date and XXXX represent running serial no)
18	COE0018	Scheme Component ID not required in case of Transaction Type 'B'

4.3.5 XML File Structure

Below is the proposed format of the XML file sent to PFMS for Opening Balance.

```

<EATOpeningBalance xmlns="http://cpsms.nic.in/EATOpeningBalance">
    <CstmrCdtTrfInitn>
        <GrpHdr>
            <MsgId>00120PBUPDREQ0908201812</MsgId>
            <Src>0012</Src>
            <InitgPty>
                <PrTry>
                    <Id>2569</Id>
                </PrTry>
            </InitgPty>

            <PmtInf>
                <PmtInfId>PNNNN09082018123</PmtInfId>
                <PmtInfDt>2018-08-09</PmtInfDt>
            </PmtInf>
            <OrgId>
                <SchmeCd>9156</SchmeCd>
            </OrgId>
        </GrpHdr>

        <CdtTrfTxInf>
            <EndToEndId>12365</EndToEndId>
            <CdtrAcct>
                <Id><BBAN>30001216371411</BBAN></Id>
                <FinInstnId>
                    <BrnchId>12365478985</BrnchId>
                </FinInstnId>
            </CdtrAcct>
            <Amt>2000</Amt>
            <CreDtTm>2018-07-01</CreDtTm>
            <PmtTxDtls>
                <Txsts>1</Txsts>
                <TxTp>B</TxTp>
                <RmtInf>
                    <RltdInf>
                        <Rem>Opening Balance</Rem>
                    </RltdInf>
                </RmtInf>
            </PmtTxDtls>
            <AcctngEntty>
                <Id>12</Id>
            </AcctngEntty>
            <TxEffct>
                <Stts>1</Stts>
            </TxEffct>

            <PymntHd>
                <Id>52</Id>
                <Amt>2000</Amt>
            </PymntHd>
        </CdtTrfTxInf>
    </CstmrCdtTrfInitn>

```

```

</CstmrCdtTrfInitn>
</EATOpeningBalance>

```

4.3.6 Opening Balance File Acknowledgement

PFMS will share the Ack for rejected as well as accepted files through the designated folders in the SFTP server

Following is the list of fields which are to be included in Payment file Acknowledgement XML file:

S.No	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					
1	Unique Message Id	CstmrPmtAckRpt/ GrpHdr/MsgId	Y	Varchar (27)	This is a unique identifier for the message (file) for tracking and troubleshooting purpose. We can keep the MessageId in <Source System Id given by PFMS>OPBUPDACKDDMMYYYYN N format, where <Source System Id given by PFMS> stand for four digits Source System Id which is given by PFMS.OPBUPDACK stands for Opening balance payment acknowledgement, DD for day, MM for month, YYYY for year and N for a sequence number for a day and can go up to 999999 starting from 1. i.e. the message id can be 0046OPBUPDACK1812201811 for the 11th message generated on 18-12- 18.
2	Message Date Time	CstmrPmtAckRpt/ GrpHdr/CrdtTm	Y	Datetime	It is date and time when the message is generated in source system.
3	Data Source	CstmrPmtAckRpt / GrpHdr/Src	Y	Varchar (5)	Since this file is always sent by PFMS the value for this attribute will always contain "PFMS".
4	Destination	CstmrPmtAckRpt / GrpHdr/Dest	Y	Varchar (5)	As allotted by PFMS

S.No	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
5	Original Message Id	CstmrPmtAckRpt/ OrgnlGrpInfAndSts / OrgnlMsgId	Y	Varchar (25)	Original Message Id received in Payment Request file
6	Created date time of Original File	CstmrPmtAckRpt/ OrgnlGrpInfAndSts / OrgnlCreDtTm	Y	Datetime	Created date time of Original File
7	Batch Id	CstmrPmtAckRpt/ OrgnlPmtInfAndSts / OrgnlPmtInfId	Y	Varchar (16)	As received from the External System Portal in the Payment file
8	Group Status /File Level Status	CstmrPmtAckRpt/ OrgnlGrpInfAndSts / GrpSts	Y	Varchar (4)	File Level Status ACCP = Accepted RJCT = Rejected
9	Reject/Failure Reason Code	CstmrPmtAckRpt/ OrgnlGrpInfAndSts / TxInfAndSts/ StsRsnInf/Rsn/ Cd	Y when TxSts is RJCT	Varchar (10)	This tag will be present in case of error if Group Status = 'RJCT' .
10	Reject/Failure Reason Narration	CstmrPmtAckRpt/ OrgnlGrpInfAndSts / TxInfAndSts/ StsRsnInf/Rsn/ AddtlInf	Y when Rsn/Cd is available	Varchar (100)	Reject/Failure Reason Narration.

4.3.7 Opening Balance File Acknowledgement XML Structure

Format mentioned in below will be used for Ack of Opening Balance transaction file also

```
<?xml version="1.0"?>

<IBTPaymentAck xmlns="http://cpsms.nic.in/EATPaymentAck">
<CstmrPmtAckRpt>
    <GrpHdr>
        <MsgId>0046OPBUPDACK1812201811</MsgId>
        <CreDtTm>2018-12-20T11:14:15.547</CreDtTm>
        <Src>PFMS</Src>
        <Dest>0046</Dest>
    </GrpHdr>
    <OrgnlGrpInfAndSts>
        <OrgnlMsgId>0046OPBUPDREQ181220181</OrgnlMsgId>
        <OrgnlCreDtTm>2018-12-18T18:04:04.690</OrgnlCreDtTm>
        <OrgnlPmtInfId>PNNNN09082018123</OrgnlPmtInfId>
    
```

```
<GrpSts>RJCT</GrpSts>
<TxInfAndSts>
  <StsRsnInf>
    <Rsn>
      <Cd>COE0004</Cd>
      <AddtlInf>Duplicate System Transaction no</AddtlInf>
    </Rsn>
    <Rsn>
      <Cd>COE0005</Cd>
      <AddtlInf>Invalid Project ID.</AddtlInf>
    </Rsn>
    <Rsn>
      <Cd>COE0006</Cd>
      <AddtlInf>Provided Bank account no. does not belong to initiating
      party</AddtlInf>
    </Rsn>
    <Rsn>
      <Cd>COE0007</Cd>
      <AddtlInf>Invalid Bank account status in PFMS</AddtlInf>
    </Rsn>
    <Rsn>
      <Cd>COE0008</Cd>
      <AddtlInf>Invalid IFSC Code or IFSC code does not match with IFSC code registered
      in PFMS</AddtlInf>
    </Rsn>
    <Rsn>
      <Cd>COE0009</Cd>
      <AddtlInf>Duplicate Batch ID</AddtlInf>
    </Rsn>
  </StsRsnInf>
</TxInfAndSts>
</OrgnlGrpInfAndSts>
</CstmrPmtAckRpt>
</IBTPaymentAck>
```

4.4 Interest Income

Following is the broad list of steps which needs to be followed by the PFMS and External System portal to make Interest Income recording in PFMS. This format is meant for MIS purpose only and can't be used for making payment through PFMS

- A. Submission of Interest Income File having Credit Information to PFMS by External System Portal
- B. Validation of Interest Income File by PFMS
- C. If there is any validation/verification fails at file level or record level, then PFMS will send the status as 'RJCT' along with the reason for rejection .
- D. PFMS will send the Interest Income File Acknowledgement to the External System portal as accepted, if the file is successfully accepted by PFMS

4.4.1 File Naming Convention

Name of the files will be used as per Unique Message Id ([GrpHdr/MsgId](#)) format so the unique file name can be exchanged with PFMS.

4.4.2 SFTP Server Folder Details

The table below summarizes the SFTP Folder details:

Data	Source	FTP Folder Location	Destination	Polling Interval	Folder Permissions
Interest Income Request File	External System portal	[PFMS\<Source System Id>\InterestIncomeData\ToPFMS]	PFMS	As and when new Request is initiated	PFMS to have Read, Write & Delete Access on Folder
Interest Income File Acknowledgement	PFMS	[PFMS\<Source System Id>\InterestIncomeData\FromPFMS\]	External System Portal	For every Request File	PFMS to have Read and Write Access on Folder

4.4.3 Field List for Interest Income

Following is the list of fields which are to be included in the XML file for Interest Income

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					
1	Unique Message Id	CstmrCdtTrfInitn/ GrpHdr/MsgId	Y	Varchar(25)	This should be same as the file name without extension of file name. Format should be <Source System Id given by PFMS>IRIPAYREQDDMMYYYY format. N should start 1
2	Source System ID	CstmrCdtTrfInitn/ GrpHdr/Src	Y	char(5)	This is static code issued by PFMS for each application. Also called Data Source ID alternatively
3	Initiating Party	CstmrCdtTrfInitn/ GrpHdr /InitgPty/ PrTry/Id	Y	varchar(50)	Agency code. Details to be taken from PFMS
4	Batch Id	CstmrCdtTrfInitn/ GrpHdr /PmtInf/ PmtInfId	Y	Char(17)	Format: PNNNNDDMMYYYYXXXX (Total 17 characters. P is fixed for payment file. NNNN refers to the 4 digit Source System Id allotted by PFMS, DDMMYYYY represent the date and XXXX represent running serial no. By following this structure, Batch ID should be unique throughout the lifecycle of integration. And It should start with 1 for a particular day. E.g. P0021050420181
5	Batch date	CstmrCdtTrfInitn/ GrpHdr /PmtInf/ PmtInfDt	Y	date	YYYY-MM-DD format Batch Date
6	Source System Transaction No	CstmrCdtTrfInitn/ CdtTrfTxInf/ EndToEndId	Y	Varchar(13)	As generated in the source system It should be unique across all transactions throughout the life of integration
7	Bank Account No	CstmrCdtTrfInitn/ CdtTrfTxInf/ CdtrAcct/Id/BBAN	Y	Varchar(35)	

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
8	IFSC Code	CstmrCdtTrfInitn/ CdtTrfTxInf/ CdtrAcct/FinIn stnId/BrnchId	Y	Varchar(11)	Details to be taken from PFMS
9	From Date	CstmrCdtTrfInitn/ CdtTrfTxInf/ PmtTxDtls/FrmDt	Y	date	Format YYYY-MM-DD
10	To Date	CstmrCdtTrfInitn/ CdtTrfTxInf/ PmtTxDtls/ToDt	Y	date	Format YYYY-MM-DD
11	Interest Amount	CstmrCdtTrfInitn/ CdtTrfTxInf/ PmtTxDtls/Amt		Numeric(18, 2)	
12	Transaction status	CstmrCdtTrfInitn/ CdtTrfTxInf/ PmtTxDtls/TxSts	Y	int	Status of Transaction. Provide values as mentioned below Approved-1, 2 for Reversal
13	FinancialYear	CstmrCdtTrfInitn/ CdtTrfTxInf/ Cdtr/TxDtls/FinYr	Y	Int	YYYY format financial year. For e.g., for FY 2017-2018, 2018 will be considered
14	Actual Transaction Date	CstmrCdtTrfInitn/ CdtTrfTxInf /PmtTxDtls/ReqdEx ctnDt	N	Date	Interest Earned Actual Date
15	Remarks	CstmrCdtTrfInitn/ CdtTrfTxInf/ PmtTxDtls/StsRsnI nf/Rsn/AddtlInf	N	Nvarchar(10 0)	Remarks if any
16	Scheme Code	CstmrCdtTrfInitn/ CdtTrfTxInf /PymntHd/SchmeCd	Y	varchar(25)	Scheme code as allotted by PFMS. Details to be taken from PFMS
17	Project Id	CstmrCdtTrfInitn/ CdtTrfTxInf /PymntHd/Clssfctn /Id	N	int	Wherever applicable. If applicable, details to be taken from PFMS.
18	Amount	CstmrCdtTrfInitn/ CdtTrfTxInf/ PymntHd /Amt	Y	Numeric(18, 2)	

4.4.4 XML File Structure

Below is the proposed format of the XML file sent to PFMS for Interest Income

```
<EATInterestIncome xmlns="http://cpsms.nic.in/EATInterestIncome">
    <CstmrCdtTrfInitn>
        <GrpHdr>
            <MsgId>0012IRIPAYREQ09082018236</MsgId>
            <Src>0012</Src>
            <InitgPty>
                <PrTry>
                    <Id>4569</Id>
                </PrTry>
            </InitgPty>
            <PmtInfnf>
                <PmtInfId>PNNNN090820185</PmtInfId>
                <PmtInfDt>2018-08-09</PmtInfDt>
            </PmtInfnf>
        </GrpHdr>

        <CdtTrfTxInfnf>
            <EndToEndId>12345</EndToEndId>
            <CdtrAcct>
                <Id>
                    <BBAN>30001216371411</BBAN>
                </Id>
                <FinInstnId>
                    <BrnchId>12365478965</BrnchId>
                </FinInstnId>
            </CdtrAcct>

            <PmtTxDtls>
                <FrmDt>2018-07-01</FrmDt>
                <ToDt>2018-08-08</ToDt>
                <Amt>2000</Amt>
                <TxSts>1</TxSts>
                <FinYr>2018</FinYr>
                <ReqdExctnDt>2018-08-09</ReqdExctnDt>
                <StsRsnInfnf>
                    <Rsn>
                        <AddtlInfnf>Narration</AddtlInfnf>
                    </Rsn>
                </StsRsnInfnf>
            </PmtTxDtls>

            <PymntHd>
                <SchmeCd>9156 </SchmeCd>
                <Clssfctn>
                    <Id>54</Id>
                </Clssfctn>
                <Amnt>2000</Amnt>
            </PymntHd>
        </CdtTrfTxInfnf>
    </CstmrCdtTrfInitn>
</EATInterestIncome>
```

```

    </CdtTrfTxInf>
    </CstmrCdtTrfInitn >
</EATInterestIncome>

```

4.4.5 Validation of Interest Income Request File

After receiving the file from External System Portal, Following additional validations will be applied on the file

S.No.	Error Code	Error Description
1	CIE0001	To Date should be greater than From Date
2	CIE0002	Duplicate System Transaction no.
3	CIE0003	Invalid Project ID
4	CIE0004	Provided Bank account no. does not belong to Initiating party
5	CIE0005	Invalid Bank account status in PFMS
6	CIE0006	Invalid IFSC Code or IFSC code does not match with IFSC code registered in PFMS
7	CIE0007	Duplicate Batch ID
8	CIE0008	Invalid Format for Date. It should be YYYY-MM-DD
9	CIE0009	Duplicate Unique message ID
10	CIE0010	Message ID should be same as File name without extension
11	CIE0011	Mandatory Fields Value are Missing
12	CIE0012	Amount cannot be negative or should be greater than zero
13	CIE0013	Invalid Scheme Code
14	CIE0014	Invalid Batch Format. It should be PNNNNDDMMYYYYXXXX (Total 17 characters. P is fixed for payment file. NNNN refers to the 4 digit Source System Id allotted by PFMS, DDMMYY represent the date and XXXX represent running serial no

4.4.6 Interest Income File Acknowledgement

PFMS will share the ACK for rejected as well as accepted files through the designated folders in the SFTP server

Following is the list of fields which are to be included in Payment file Acknowledgement XML file:

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					
1	Unique Message Id	CstmrPmtAckRpt/GrpHdr/MsgId	Y	Varchar(27)	<p>This is a unique identifier for the message (file) for tracking and troubleshooting purpose. We can keep the MessageId in <Source System Id given by PFMS>IRIPAYACKDDMMYYYYNN format, where <Source System Id given by PFMS> stand for four digits Source System Id which is given by PFMS. IRIPAYACK stands for Interest Income payment acknowledgement, DD for day, MM for month, YYYY for year and N for a sequence number for a day and can go up to 999999 starting from 1. i.e. the message id can be 0046IRIPAYACK050620181 for the first message generated on 5-Jun 18</p>
2	Message Date Time	CstmrPmtAckRpt/GrpHdr/CrdDtTm	Y	Datetime	It is date and time when the message is generated in source system.
3	Data Source	CstmrPmtAckRpt/GrpHdr/Src	Y	Varchar(5)	Since this file is always sent by PFMS the value for this attribute will always contain "PFMS".
4	Destination	CstmrPmtAckRpt/GrpHdr/Dest	Y	Varchar(5)	As allotted by PFMS
5	Original Message Id	CstmrPmtAckRpt/OrgnlGrpInfAndSts/OrgnlMsgId	Y	Varchar(25)	Original Message Id received in Payment Request file

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
6	Created date time of Original File	CstmrPmtAckRpt/ OrgnlGrpInfAndSts/ OrgnlCreDtTm	Y	Datetime	Created date time of Original File
7	Batch Id	CstmrPmtAckRpt/ OrgnlPmtInfAndSts/ OrgnlPmtInfId	Y	Varchar(16)	As received from the External System Portal in the Payment file
8	Group Status /File Level Status	CstmrPmtAckRpt/ OrgnlGrpInfAndSts/ GrpSts	Y	Varchar(4)	File Level Status ACCP = Accepted RJCT = Rejected
9	Reject/Failure Reason Code	CstmrPmtAckRpt/ OrgnlGrpInfAndSts / TxInfAndSts/ StsRsnInf/Rsn/ Cd	Y when TxSts is RJCT	Varchar(10)	This tag will be present in case of error if Group Status = 'RJCT'.
10	Reject/Failure Reason Narration	CstmrPmtAckRpt/ OrgnlGrpInfAndSts / TxInfAndSts/ StsRsnInf/Rsn/ AddtlInf	Y when Rsn/Cd is available	Varchar(100)	Reject/Failure Reason Narration.

4.4.7 Interest Income File Acknowledgement XML Structure

Format mentioned below will be used for Ack of Interest Income transaction file

```
<?xml version="1.0"?>

<IBTPaymentAck xmlns="http://cpsms.nic.in/EATPaymentAck">
<CstmrPmtAckRpt>
    <GrpHdr>
        <MsgId>0046IRIPAYACK1812201811</MsgId>
        <CreDtTm>2018-12-20T11:14:15.547</CreDtTm>
        <Src>PFMS</Src>
        <Dest>0046</Dest>
    </GrpHdr>
    <OrgnlGrpInfAndSts>
        <OrgnlMsgId>0046IRIPAYREQ181220181</OrgnlMsgId>
        <OrgnlCreDtTm>2018-12-18T18:04:04.690</OrgnlCreDtTm>
        <OrgnlPmtInfId>PNNNN090820185</OrgnlPmtInfId>
        <GrpSts>RJCT</GrpSts>
        <TxInfAndSts>
            <StsRsnInf>
                <Rsn>
                    <Cd>CIE0002</Cd>
                    <AddtlInf>Duplicate System Transaction no</AddtlInf>
                </Rsn>
            </StsRsnInf>
        </TxInfAndSts>
    </OrgnlGrpInfAndSts>
</CstmrPmtAckRpt>
```

```

<Rsn>
  <Cd>CIE0004</Cd>
  <AddlInf>Provided Bank account no. does not belong to Initiating party.</AddlInf>
</Rsn>
<Rsn>
  <Cd>CIE0006</Cd>
  <AddlInf>Invalid IFSC Code or IFSC code does not match with IFSC code registered in PFMS</AddlInf>
</Rsn>
<Rsn>
  <Cd>CIE0007</Cd>
  <AddlInf>Duplicate Batch ID</AddlInf>
</Rsn>
<Rsn>
  <Cd>CIE00014</Cd>
  <AddlInf>Invalid Batch Format. It should be PNNNNDDMMYYYYXXXX (Total 17 characters. P is fixed for payment file. NNNN refers to the 4 digit Source System Id allotted by PFMS, DDMMYY represent the date and XXXX represent running serial no</AddlInf>
</Rsn>
</StsRsnInf>
</TxInfAndSts>
</OrgnlGrpInfAndSts>
</CstmrPmtAckRpt>
</IBTPaymentAck>

```

4.5 Income from Investment

Following is the broad list of steps which needs to be followed by the PFMS and External System portal to record Interest Income entry in PFMS. This for recording MIS entry in PFMS and is not meant for making any payment through PFMS

- Submission of Investment Request File having Credit Information to PFMS by External System Portal
- Validation of Investment Request File by PFMS
- If there is any validation/verification fails at file level or record level, then PFMS will send the status as 'RJCT' along with the reason for rejection .
- PFMS will send the Investment Request File Acknowledgement to the External System portal as accepted, if the file is successfully accepted by PFMS

4.5.1 File Naming Convention

Name of the files will be used as per Unique Message Id ([GrpHdr/MsgId](#)) format so the unique file name can be exchanged with PFMS.

4.5.2 SFTP Server Folder Details

The table below summarizes the SFTP Folder details:

Data	Source	FTP Folder Location	Destination	Polling Interval	Folder Permissions
Investment Request File	External System portal	[PFMS\<Source System Id>\InvestmentRequestData\ToPFMS]	PFMS	As and when new Request is initiated	PFMS to have Read, Write & Delete Access on Folder
Investment Request File Acknowledgment	PFMS	[PFMS\<Source System Id>\InvestmentRequestData\FromPFMS]	External System Portal	For every Request File	PFMS to have Read and Write Access on Folder

4.5.3 Field List for Income from Investment Request

Following is the list of fields which are to be included in the XML file for Income from Investment

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					
1	Unique Message Id	CstmrCdtTrfInitn /GrpHdr/MsgId	Y	Varchar(25)	This should be same as the file name without extension of file name. Format should be <Source System Id given by PFMS>IFIPAYREQDDMMYYYYN format. N should start 1 with for a particular day and can go up to any value
2	Source System ID	CstmrCdtTrfInitn /GrpHdr/Src	Y	char(5)	This is static code issued by PFMS for each application. Also called Data Source ID alternatively'

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
3	Initiating Party	CstmrCdtTrfInitn/ GrpHdr/InitgPty /PrTry/Id	Y	Varchar(50)	Agency code for interest income. Details to be taken from PFMS
4	Batch ID	CstmrCdtTrfInitn/ GrpHdr/PmtInf /PmtInfId	Y	Varchar(17)	Format: PNNNNDDMMYYXXXX (Total 17 characters. P is fixed for payment file. NNNN refers to the 4 digit Source System Id allotted by PFMS, DDMMYY represent the date and XXXX represent five digit running serial no.. Batch ID should be unique throughout lifecycle of integration and It should start with 1 for a particular day.)
5	Batch Date	CstmrCdtTrfInitn/ GrpHdr/PmtInf /PmtInfDt	Y	date	YYYY-MM-DD format Batch Date
6	Scheme Code	CstmrCdtTrfInitn/ GrpHdr / OrgId/SchmeCd	Y	varchar(25)	Scheme code as allotted by PFMS
7	Source System Transaction No	CstmrCdtTrfInitn/ CdtTrfTxInf/ EndToEndId	Y	Varchar(16)	As generated in the source system It should be unique across all transactions throughout the life of integration
8	Bank Account No	CstmrCdtTrfInitn/ /CdtTrfTxInf/ CdtrAcct/ Id/BBAN	Y	Varchar(34)	Details to be taken from PFMS
9	IFSC Code	CstmrCdtTrfInitn/ CdtTrfTxInf/ CdtrAcct /FinInstnId/ BrnchId	'N' for MIS transactions .	Varchar(11)	For Credit. Details to be taken from PFMS
10	Investment Type	CstmrCdtTrfInitn/ CdtTrfTxInf/ /PmtTxDtls/Invstm tTp	Y	int	1 for Fix Deposits, 2 for Regular deposits, 3 for Others. Details to be taken from PFMS
11	Investment Amount	CstmrCdtTrfInitn/ CdtTrfTxInf/ Cdtr /PmtTxDtls/Amt	Y	Numeric(18,2)	
12	Transaction status	CstmrCdtTrfInitn/ CdtTrfTxInf/ PmtTxDtls/TxSts	Y	int	Status of Transaction. Provide values as mentioned below Approved-1 , 2- Reversal

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
13	Remarks	CstmrCdtTrfInitn/ CdtTrfTxInf/ PmtTxDtls/RmtInf /RltdInf/Rem	N	varchar(500)	if any
14	Financial Year	CstmrCdtTrfInitn/ CdtTrfTxInf/ PmtTxDtls /FinYr	Y	Int	YYYY format financial year. For e.g., for FY 2017-2018, 2018 will be considered

4.5.4 XML File Structure

Below is the proposed format of the XML file sent to PFMS for Income from Investment

```
<EATIncomeFromInvestment xmlns="http://cpsms.nic.in/EATIncomeFromInvestment">
    <CstmrCdtTrfInitn>
        <GrpHdr>
            <MsgId>0012IFIPAYREQ0908201812</MsgId>
            <Src>0012</Src>
            <InitgPty>
                <PrTry>
                    <Id>4925</Id>
                </PrTry>
            </InitgPty>

            <PmtInf>
                <PmtInfId>P00120908201823</PmtInfId>
                <PmtInfDt>2018-08-1</PmtInfDt>
            </PmtInf>

            <OrgId>
                <SchmeCd>9156</SchmeCd>
            </OrgId>
        </GrpHdr>
        <CdtTrfTxInf>
            <EndToEndId>12365</EndToEndId>
            <CdtrAcct>
                <Id>
                    <BBAN>30001216371411</BBAN>
                </Id>

                <FinInstnId>
                    <BrnchId>12345678952</BrnchId>
                </FinInstnId>
            </CdtrAcct>

            <PmtTxDtls>
                <InvstmtTp>1</InvstmtTp>
                <Amt>3000</Amt>
                <TxSts>1</TxSts>
                <FinYr>2018</FinYr>
            </PmtTxDtls>
        </CdtTrfTxInf>
    </CstmrCdtTrfInitn>
</EATIncomeFromInvestment>
```

```

<RmtInf>
    <RltdInf>
        <Rem>Remarks for Approver</Rem>
    </RltdInf>
</RmtInf>

</PmtTxDtls>

</CdtTrfTxInf>
</CstmrCdtTrfInitn >
</EATIncomeFromInvestment>

```

4.5.5 Validation of Income from Investment

After receiving the file from External System Portal, Following additional validations will be applied on the payment file records

S.No.	Error Code	Error Description
1	COI0001	Investment Type Invalid 1 for Fix Deposits, 2 for Regular deposits, 3 for Others.
2	COI0002	Opening Balance Date is greater than the current date Mandatory tag missing
3	COI0003	Invalid Value or Value not provided for Transaction Status
4	COI0004	Duplicate System Transaction no.
5	COI0005	Invalid Project ID Invalid Initiating party
6	COI0006	Provided Bank account no. does not belong to initiating party
7	COI0007	Invalid Bank account status in PFMS
8	COI0008	Invalid IFSC Code or IFSC code does not match with IFSC code registered in PFMS
9	COI0009	Duplicate Batch ID
10	COI0010	Invalid Format for Batch Date
11	COI0011	Duplicate Unique message ID
12	COI0012	Invalid Component ID Total investment amount should be equal to the sum of scheme amounts

S.No.	Error Code	Error Description
13	COI0013	Amount should be more than Zero
14	COI0014	Unique message id should be same as File name without extension
15	COI0015	Invalid value for Scheme code
16	COI0016	Invalid Financial Year
17	COI0017	Invalid Batch Format. It should be PNNNNDDMMYYYYXXXX (Total 17 characters. P is fixed for payment file. NNNN refers to the 4 digit Source System Id allotted by PFMS, DDMMYY represent the date and XXXX represent running serial no

4.5.6 Income from Investment File Acknowledgement

PFMS will share the ACK for rejected as well as accepted files through the designated folders in the SFTP server

Following is the list of fields which are to be included in Payment file Acknowledgement XML file:

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					
1	Unique Message Id	CstmrPmtAckRpt/ GrpHdr/MsgId	Y	Varchar(27)	This is a unique identifier for the message (file) for tracking and troubleshooting purpose. We can keep the MessageId in <Source System Id given by PFMS>IFIPAYACKDDMMYYYYNN format, where <Source System Id given by PFMS> stand for four digits Source System Id which is given by PFMS. IFIPAYACK stands for Income from Investment payment acknowledgement , DD for day, MM for month, YYYY for year and N for a sequence number for a day and can go up to 999999 starting from 1. i.e. the message id can be 0046IFIPAYACK1812201811 for the 11th message generated on 18-12-2018

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
2	Message Date Time	CstmrPmtAckRpt/ GrpHdr/CreDtTm	Y	Datetime	It is date and time when the message is generated in source system.
3	Data Source	CstmrPmtAckRpt/ GrpHdr/Src	Y	Varchar(5)	Since this file is always sent by PFMS the value for this attribute will always contain "PFMS".
4	Destination	CstmrPmtAckRpt/ GrpHdr/Dest	Y	Varchar(5)	External System Id as allotted by PFMS
5	Original Message Id	CstmrPmtAckRpt/ OrgnlGrpInfAndSts / OrgnlMsgId	Y	Varchar(25)	Original Message Id received in Payment Request file
6	Created date time of Original File	CstmrPmtAckRpt/ OrgnlGrpInfAndSts / OrgnlCreDtTm	Y	Datetime	Created date time of Original File
7	Batch Id	CstmrPmtAckRpt/ OrgnlPmtInfAndSts / OrgnlPmtInfId	Y	Varchar(16)	As received from the External System Portal in the Payment file
8	Group Status /File Level Status	CstmrPmtAckRpt/ OrgnlGrpInfAndSts / GrpSts	Y	Varchar(4)	File Level Status ACCP = Accepted RJCT = Rejected
9	Reject/Failure Reason Code	CstmrPmtAckRpt/ OrgnlGrpInfAndSts / TxInfAndSts/ StsRsnInf/Rsn/ Cd	Y when TxSts is RJCT	Varchar(10)	This tag will be present in case of error if Group Status = 'RJCT' .
10	Reject/Failure Reason Narration	CstmrPmtAckRpt/ OrgnlGrpInfAndSts / TxInfAndSts/ StsRsnInf/Rsn/ AddtlInf	Y when Rsn/Cd is available	Varchar(100)	Reject/Failure Reason Narration.

4.5.7 Income from Investment File Acknowledgement XML Structure

Format mentioned below will be used for Ack of Income from Investment file

```
<?xml version="1.0"?>

<IBTPaymentAck xmlns="http://cpsms.nic.in/EATPaymentAck">
<CstmrPmtAckRpt>
  <GrpHdr>
    <MsgId>0046IFIPAYACK1812201811</MsgId>
    <CreDtTm>2018-12-20T11:14:15.547</CreDtTm>
```

```

<Src>PFMS</Src>
<Dest>0046</Dest>
</GrpHdr>
<OrgnlGrpInfAndSts>
<OrgnlMsgId>0046IFIPAYREQ181220181</OrgnlMsgId>
    <OrgnlCreDtTm>2018-12-18T18:04:04.690</OrgnlCreDtTm>
    <OrgnlPmtInfId>P00120908201823</OrgnlPmtInfId>
    <GrpSts>RJCT</GrpSts>
    <TxInfAndSts>
        <StsRsnInf>
            <Rsn>
                <Cd>COI0004</Cd>
                <AddtlInf>Duplicate System Transaction no</AddtlInf>
            </Rsn>
            <Rsn>
                <Cd>COI0005</Cd>
                <AddtlInf>Invalid Initiating Party i.e Agency Code</AddtlInf>
            </Rsn>
            <Rsn>
                <Cd>COI0006</Cd>
                <AddtlInf>Provided Bank account no. does not belong to initiating party</AddtlInf>
            </Rsn>
            <Rsn>
                <Cd>COI0007</Cd>
                <AddtlInf>Invalid Bank account status in PFMS</AddtlInf>
            </Rsn>
            <Rsn>
                <Cd>COI0008</Cd>
                <AddtlInf>Invalid IFSC Code or IFSC code does not match with IFSC code registered in PFMS</AddtlInf>
            </Rsn>
            <Rsn>
                <Cd>COI0017</Cd>
                <AddtlInf>Invalid Batch Format. It should be PNNNNDDMMYYYYXXXX (Total 17 characters. P is fixed for payment file. NNNN refers to the 4 digit Source System Id allotted by PFMS, DDMMYY represent the date and XXXX represent running serial no</AddtlInf>
            </Rsn>
        </StsRsnInf>
    </TxInfAndSts>
    </OrgnlGrpInfAndSts>
</CstmrPmtAckRpt>
</IBTPaymentAck>

```

4.6 Income from Other Sources (Funds Receipt)

Following is the broad list of steps which needs to be followed by the PFMS and External System portal to record income from other sources in PFMS. This format is meant for MIS purpose only and can't be used for making payment through PFMS

- A. Submission of Funds Receipt Payment File having Credit Information to PFMS by External System Portal.
- B. Validation of Payment File Payment File by PFMS
- C. If there is any validation/verification fails at file level or record level, then PFMS will send the Payment status as 'RJCT' along with the reason for rejection
- D. PFMS will send the Payment File Acknowledgement to the External System portal as accepted, if the file is successfully accepted by PFMS

4.6.1 File Naming Convention

Name of the files will be used as per Unique Message Id ([GrpHdr/MsgId](#)) format so the unique file name can be exchanged with PFMS.

4.6.2 SFTP Server Folder Details

The table below summarizes the SFTP Folder details:

Data	Source	FTP Folder Location	Destination	Polling Interval	Folder Permissions
Fund Receipts Payment Request	TSA portal	[PFMS\<Source System Id>\FundReceiptsData\ToPFMS]	PFMS	As and when Fund Receipt Payment is initiated	PFMS to have Read, Write & Delete Access on Folder
Fund Receipts Payment Acknowledgement	PFMS	[PFMS\<Source System Id>\FundReceiptsData\FromPFMS\]	External System Portal	For every EAT Fund Receipt Payment Request	PFMS to have Read and Write Access on Folder

4.6.3 Field List for Income from Other Sources (Fund Receipts other than Govt Receipts)

Following is the list of fields which are to be included in the XML file for Income from Other Sources

S.N o.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					

S.N o.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
1	Unique Message Id	CstmrCdtTrfInitn/ GrpHdr/MsgId	Y	Varchar(25)	This should be same as the file name without extension of file name. Format should be <Source System Id given by PFMS>FDSRCPTREQDDMMYYYYN format. N should start 1 with for a particular day and can go up to any value
2	Source System ID	CstmrCdtTrfInitn/ GrpHdr/Src	Y	char(5)	This is static code issued by PFMS for each application. Also called 'DataSource ID alternatively'
3	Initiating Party	CstmrCdtTrfInitn/ GrpHdr/InitgPty/ PrTry/Id	Y	Varchar(50)	Agency code. Master to be taken from PFMS
4	Batch ID	CstmrCdtTrfInitn/ GrpHdr/ PmtInf/ PmtInfId	Y	Varchar(17)	Format: PNNNNDDMMYYYYXXXXX (Total 17 characters. P is fixed for payment file. NNNN refers to the 4 digit Source System Id allotted by PFMS, DDMMYY represent the date and XXXX represent five digit running serial no.. Batch ID should be unique throughout lifecycle of integration and It should start with 1 for a particular day.)
5	Batch Date	CstmrCdtTrfInitn/ GrpHdr/ PmtInf/PmtInfDt	Y	date	YYYY-MM-DD format Batch Date
6	Scheme Code	CstmrCdtTrfInitn/ GrpHdr/OrgId/ SchmeCd	Y	varchar(25)	Scheme code as allotted by PFMS. Details to be taken from PFMS
7	Source System Transaction No	CstmrCdtTrfInitn/ CdtTrfTxInf/ EndToEndId	Y	Varchar(16)	As generated in the source system It should be unique across all transactions throughout the life of integration
9	IFSC Code (For Credit)	CstmrCdtTrfInitn/ CdtTrfTxInf/ CdtrAcct/FinInstn Id/ BrnchId	'N' for MIS transactio ns.	Varchar(11)	For Credit. Details to be taken from PFMS
10	Bank Account No	CstmrCdtTrfInitn/ CdtTrfTxInf/ CdtrAcct/Id/BBAN	Y	Varchar(34)	For Credit. Details to be taken from PFMS

S.N o.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
11	Fund Sources	CstmrCdtTrfInitn/ CdtTrfTxInf/ FndSrc/Id	Y	int	1 for World Bank, 2 for UNICEF, 3 for EMD, 4 for Security Deposit, 5 for Loan1, 6 for Loan2, 7 for loan3, 8 for Miscellaneous.
12	Fund Type	CstmrCdtTrfInitn/ CdtTrfTxInf/ FndSrc/Typ	Y	Int	1 for Grant in Aid, 2 for Donor, 3 for Loan Advances
13	Amount	CstmrCdtTrfInitn/ /CdtTrfTxInf/ FndSrc /Amt	Y	Numeric(18,2)	
14	Project Id	CstmrCdtTrfInitn/ /CdtTrfTxInf/Accn tngEntty/Id	Y	int	Wherever applicable. If applicable, details to be taken from PFMS.
15	Payment Mode	CstmrCdtTrfInitn/ / CdtTrfTxInf/ PmtMd	Y	int	1 for DD, 2 for Cheque , 3 for ECS/NACH , 4 for NEFT/RTGS , 5 for Cash
16	Transaction status	CstmrCdtTrfInitn/ /CdtTrfTxInf/ PmtTxDtls/ TxSts	Y	int	Status of Transaction. Provide values as mentioned below Submitted-1 , Approved-2 , Authorized with DSC- 3
17	Financial Year	CstmrCdtTrfInitn/ /CdtTrfTxInf/PmtT xDtls/FinYr	Y	Int	YYYY format financial year. For e.g. for FY 2017-2018, 2018 will be considered
19	Actual Transaction Date	CstmrCdtTrfInitn/ CdtTrfTxInf/ PmtTxDtls/ReqdEx ctnDt	N	Date	Actual date of fund receipt.
20	Narration	CstmrCdtTrfInitn/ /CdtTrfTxInf/ PmtTxDtls/TxPrps	N	Nvarchar(100)	Remarks if any
21	Instrument Number	CstmrCdtTrfInitn/ /CdtTrfTxInf/PmtI d/InstrId	Y	Varchar(20)	Cheque No./DD No./RTGS No Etc
22	Instrument Date	CstmrCdtTrfInitn/ /CdtTrfTxInf/ PmtId / CreDtTm	Y	DateTime	Applicable for Payment Mode DD and Cheque only. The Format will be YYYY-MM-DDTHH:MM:SS YYYY stands for Year MM stands for Month DD stands for Date HH stands for hour

S.N O.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
					MM stands for minute SS stands for seconds For eg 2013-02-13T14:07:00

4.6.4 XML File Structure

Below is the proposed format of the XML file sent to PFMS for Income from Other Sources

```

<EATIncomeFromOtherSources xmlns="http://cpsms.nic.in/EATIncomeFromOtherSources">
    <CstmrCdtTrfInitn>
        <GrpHdr>
            <MsgId>0012FDSRCPTREQ0809201856</MsgId>
            <Src>0012</Src>
            <InitgPty>
                <PrTry>
                    <Id>2563</Id>
                </PrTry>
            </InitgPty>

            <PmtInf>
                <PmtInfId>P00120809201845</PmtInfId>
                <PmtInfDt>2018-08-08</PmtInfDt>
            </PmtInf>
            <OrgId>
                <SchmeCd>9156</SchmeCd>
            </OrgId>
        </GrpHdr>

        <CdtTrfTxInf>
            <EndToEndId>12345</EndToEndId>
            <CdtrAcct>
                <Id>
                    <Othr>
                        <BBAN>30001216371411</BBAN>
                    </Othr>
                </Id>
                <FinInstnId>
                    <BrnchId>12365478925</BrnchId>
                </FinInstnId>
            </CdtrAcct>
            <FndSrc>
                <Id>3</Id>
                <Typ>1</Typ>
                <Amt>3000</Amt>
            </FndSrc>
            <AccntngEntty>
                <Id>23</Id>
            </AccntngEntty>
        </CdtTrfTxInf>
    </CstmrCdtTrfInitn>
</EATIncomeFromOtherSources>
```

```

<PmtMd>1</PmtMd>
<PmtTxDtls>
    <Txsts>1</Txsts>
    <FinYr>2018</FinYr>
    <ReqdExctnDt>2018-08-08</ReqdExctnDt>
    <TxPrps>Information</TxPrps>
</PmtTxDtls>

<PmtId>
    <InstrId>D099992</InstrId>
    <CreDtTm>2018-08-1T14:07:00</CreDtTm>
</PmtId>

</CdtTrfTxInf>
</CstmrCdtTrfInitn >
</EATIncomeFromOtherSources>

```

4.6.5 Validation of Fund Receipt Payment Information File Data by PFMS:

After receiving the file from External System Portal, Following additional validations will be applied on the payment file records

S. No.	Error Code	Error Description
1	CFE0001	Invalid Scheme code or Scheme is not mapped with the agency
2	CFE0002	Invalid Financial Year
3	CFE0003	Invalid Payment Mode
4	CFE0004	Duplicate System Transaction no.
5	CFE0005	Invalid Project ID
6	CFE0006	Provided Bank account no. does not belong to initiating party
7	CFE0007	Invalid Bank account status in PFMS
8	CFE0008	Invalid IFSC Code or IFSC code does not match with IFSC code registered in PFMS
9	CFE0009	Duplicate Batch ID
10	CFE0010	Invalid Format for Batch Date
11	CFE0011	Duplicate Unique message ID
12	CFE0012	Invalid Component ID
13	CFE0013	Component amount should be more than Zero
14	CFE0014	Unique message Id should be same as File name without extension
15	CFE0015	Date/Time Format Invalid. It should be YYYY-MM-DDTHH:MM:SS
16	CFE0016	Fund Sources Incorrect. 1 for World Bank, 2 for UNICEF, 3 for EMD, 4 for Security Deposit, 5 for Loan1, 6 for Loan2, 7 for loan3, 8 for Miscellaneous.
17	CFE0017	Fund Type Incorrect. 1 for Grant in Aid, 2 for Donor, 3 for Loan Advances
18	CFE0018	Mandatory Fields Value are missing.
19	CFE0019	Invalid Batch Format. It should be PNNDNNDDMMYYYYXXXX (Total 17 characters. P is fixed for payment file. NNNN refers to the 4 digit Source System Id allotted by PFMS, DDMMYY

S. No.	Error Code	Error Description
		represent the date and XXXX represent running serial no

4.6.6 Fund Receipt File Acknowledgement

PFMS will share the ACK for rejected as well as accepted files through the designated folders in the SFTP server

Following is the list of fields which are to be included in Payment file Acknowledgement XML file:

S.No	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					
1	Unique Message Id	CstmrPmtAckRpt/ GrpHdr/MsgId	Y	Varchar(27)	<p>This is a unique identifier for the message (file) for tracking and troubleshooting purpose. We can keep the MessageId in <Source System Id given by PFMS>FDSRCPTACKDDMMYYYYN format, where <Source System Id given by PFMS> stand for four digits Source System Id which is given by PFMS.FDSRCPTACK stands for Fund Receipt payment acknowledgement , DD for day, MM for month, YYYY for year and N for a sequence number for a day and can go up to 999999 starting from 1.</p> <p>i.e. the message id can be 0002FDSRCPTACK050620181 for the first message generated on 5-Jun 18 or 0002FDSRCPTACK290520183109 for the 109th message generated on 29-May-18.</p>
2	Message Date Time	CstmrPmtAckRpt/ GrpHdr/CreDtTm	Y	Datetime	It is date and time when the message is generated in source system.
3	Data Source	CstmrPmtAckRpt/ GrpHdr/Src	Y	Varchar(5)	Since this file is always sent by PFMS the value for this attribute will always contain "PFMS".

4	Destination	CstmrPmtAckRpt/ GrpHdr/Dest	Y	Varchar(5)	As allotted by PFMS
5	Original Message Id	CstmrPmtAckRpt/ OrgnlGrpInfAndSts / OrgnlMsgId	Y	Varchar(25)	Original Message Id received in Payment Request file
6	Created date time of Original File	CstmrPmtAckRpt/ OrgnlGrpInfAndSts / OrgnlCreDtTm	Y	Datetime	Created date time of Original File
7	Batch Id	CstmrPmtAckRpt/ OrgnlPmtInfAndSts / OrgnlPmtInfId	Y	Varchar(16)	As received from the External System Portal in the Payment file
8	Group Status /File Level Status	CstmrPmtAckRpt/ OrgnlGrpInfAndSts / GrpSts	Y	Varchar(4)	File Level Status ACCP = Accepted RJCT = Rejected
9	Reject/Failure Reason Code	CstmrPmtAckRpt/ OrgnlGrpInfAndSts / TxInfAndSts/ StsRsnInf/Rsn/ Cd	Y when TxSts is RJCT	Varchar(10)	This tag will be present in case of error if Group Status = 'RJCT' .
10	Reject/Failure Reason Narration	CstmrPmtAckRpt/ OrgnlGrpInfAndSts / TxInfAndSts/ StsRsnInf/Rsn/ AddtlInf	Y when Rsn/Cd is available	Varchar(100)	Reject/Failure Reason Narration.

4.6.7 Fund Receipt File Acknowledgement XML Structure

Format mentioned below will be used for Ack Fund Receipt File Acknowledgement file

```

<?xml version="1.0"?>

<IBTPaymentAck xmlns="http://cpsms.nic.in/EATPaymentAck">
<CstmrPmtAckRpt>
    <GrpHdr>
        <MsgId>0046FDSRCPTACK1812201811</MsgId>
        <CreDtTm>2018-12-20T11:14:15.547</CreDtTm>
        <Src>PFMS</Src>
        <Dest>0046</Dest>
    </GrpHdr>
    <OrgnlGrpInfAndSts>
        <OrgnlMsgId>0046FDSRCPTREQ181220181</OrgnlMsgId>
        <OrgnlCreDtTm>2018-12-18T18:04:04.690</OrgnlCreDtTm>
        <OrgnlPmtInfId>P00120809201845</OrgnlPmtInfId>
        <GrpSts>RJCT</GrpSts>
        <TxInfAndSts>
```

```

<StsRsnInf>
    <Rsn>
        <Cd>CFE0001</Cd>
        <AddtlInf>Invalid Scheme code or Scheme is not mapped with the agency</AddtlInf>
    </Rsn>
    <Rsn>
        <Cd>CFE0004</Cd>
        <AddtlInf>Duplicate System Transaction no.</AddtlInf>
    </Rsn>
    <Rsn>
        <Cd>CFE0006</Cd>
        <AddtlInf>Provided Bank account no. does not belong to initiating party</AddtlInf>
    </Rsn>
    <Rsn>
        <Cd>CFE0007</Cd>
        <AddtlInf>Invalid Bank account status in PFMS</AddtlInf>
    </Rsn>
    <Rsn>
        <Cd>CFE0008</Cd>
        <AddtlInf>Invalid IFSC Code or IFSC code does not match with IFSC code registered in PFMS</AddtlInf>
    </Rsn>
    <Rsn>
        <Cd>CFE0009</Cd>
        <AddtlInf>Duplicate Batch ID</AddtlInf>
    </Rsn>
    <Rsn>
        <Cd>CFE00015</Cd>
        <AddtlInf>DateTime Format Invalid. It should be YYYY-MM-DDTHH:MM:SS</AddtlInf>
    </Rsn>
    <Rsn>
        <Cd>CFE00019</Cd>
        <AddtlInf>Invalid Batch Format. It should be PNNNNDDMMYYYYXXXX (Total 17 characters. P is fixed for payment file. NNNN refers to the 4 digit Source System Id allotted by PFMS, DDMMYY represent the date and XXXX represent running serial no</AddtlInf>
    </Rsn>
</StsRsnInf>
</TxInflAndSts>
</OrgnlGrpInflAndSts>
</CstmrPmtAckRpt>
</IBTPaymentAck>

```

5 DSC Enrollment File Processing

Since external system is going to send digitally signed files to PFMS whenever any payment transaction is to be performed, External system needs to first enroll the digital signatures in PFMS before sending the digitally signed files. PFMS will match the digital signatures and will accept the payment files only if the signature in the payment file match with the enrolled signatures in PFMS.

DSC Enrollment File (in XML format) will be sent to PFMS by external system DBT Portal through SFTP for further processing.

5.1 SFTP Folder Details

The table below summarizes the SFTP Folder details:

Data	Source	FTP Folder Location	Destination	Polling Interval	Folder Permissions
DSC Enrollment File Request	STATE/SCHEME DBT Portal	[PFMS\<Source System Id>\DSCEnrollmentData\ToPFMS]	CPSMS	For DSC Enrollment, Update or Expire	PFMS to have Read, Write & Delete Access on Folder
DSC Enrollment File Acknowledgement	PFMS	[PFMS\<Source System Id>\DSCEnrollmentData\FromPFMS\]	STATE/SCHEME DBT Portal	For every DSC Enrollment Request File	PFMS to have Read and Write Access on Folder

Polling interval is the duration at which the data needs to be posted by the source system into SFTP folder location.

5.2 Field List for DSC Enrollment File Request

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					
1	Unique Message Id	AcctMndtMntncReq /GrpHdr/MsgID	Y	Varchar(25)	This is a unique identifier for the message (file) for tracking and troubleshooting purpose.

					We can keep the MessageId in <Source System Id given by PFMS> DSCENRREQDDMM YYYYNNN format, where <Source System Id given by PFMS> stand for four digits Source System Id which is given by PFMS, DSCENRREQ stands for DSC Enrollment Request, DD for day, MM for month, YYYY for year and N for a sequence number for a day i.e. the message id can be 0002DSCENRREQ0506201 81 for the first message generated on 5-Jun 18 or 0002DSCENRREQ290520 18109 for the 109 th message generated on 29-May-18.
2	Message Date Time	AcctMndtMntncRe q/ GrpHdr/CreDtTm	Y	Datetime	It is date and time when the message is generated in source system. The format for Message Date Time is YYYY-MM-DDTHH:MM:SS 2018-04-03T16:34:31.820
3	Scheme Code	AcctMndtMntncRe q/ GrpHdr/OrgId/Sc hemeCd	Y	Varchar (25)	As available in PFMS Master
4	Initiating Party Name (Source)	AcctMndtMntncRe q/ GrpHdr/InitgPty /Nm	Y	Varchar(100)	Agency Name who has to register the DSC
5	Initiating Party Id	AcctMndtMntncRe q/ GrpHdr/InitgPty /Id	Y	Varchar(50)	Identity of Agency i.e. Agency Unique code as per PFMS
6	Process Id	AcctMndtMntncRe q/ GrpHdr/PRCId	Y	Varchar(35)	The value of this attribute is 'DSC' Digital Signature Enrolment

7	Transaction Type	AcctMndtMntncRe q/ GrpHdr/Prtry/Tx Tp	Y	Varchar (4)	The value will be ADDN = Addition CANC = Cancellation
8	Account Number	AcctMndtMntncRe q/ RptAcct/ Accts/ Acct/ AcctId/ Id/ BBAN	Y/N	Varchar (35)	Account Number in Bank is Mandatory when payment is made by Agency Account
9	Account Holder Name	AcctMndtMntncRe q/ RptAcct/ Accts/ Acct/AcctId/Nm	Y/N	Varchar (100)	Name of the Account Holder in bank is Mandatory when payment is made by Agency Account
10	Account Type	AcctMndtMntncRe q/ RptAcct/ Accts/ Acct/ AcctId/Tp	N	Varchar (4)	Type of Account GOVT = Government SVGS = Savings CACC = Current LOAN = Loan
11	Financial Institution	AcctMndtMntncRe q/ RptAcct/ Accts/ AcctSvcrId/Fini nstnNm	Y/N	Varchar (100)	Financial Institution Name i.e. Bank Name as per PFMS Master is Mandatory when payment is made by Agency Account
12	IFSC Code	AcctMndtMntncRe q/ RptAcct/ Accts/ AcctSvcrId/ BrnchId	Y/N	Varchar (11)	IFSC Code is Mandatory when payment is made by Agency Account
13	Mandate Id	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/ID	Y	Varchar (15)	Unique id of External System for DSC Enrolment request
14	Number of Signatories	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/ SgntrOrdrInd	Y	Small int	No. of Signatories required. There can be maximum no. of 4 signatories.
Digital signature and Signatory Details. This section will repeat of the np. Of signatories are more than 1					
15	Start Date	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/ MndtHldr/ DgtlSgntr/ StartDt	Y	Date	Start Date for the validity of Digital Signature The Format for Start Date is YYYY-MM-DD
16	End date	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/ MndtHldr/ DgtlSgntr/	Y	Date	End Date for the validity of Digital Signature The Format for Start Date is YYYY-MM-DD

		EndDt			
17	Party Name	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/ MndtHldr/ DgtlSgntr/ Pty/NM	Y	Varchar (50)	Name of party on whose name DSC is issued
18	Certificate Number	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/ MndtHldr/ DgtlSgntr/ Pty/ Cert	Y	Varchar (50)	DSC Certificate serial number It is of 16 digits e.g 218E6D0A01014FED
19	Certificate Issuer	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/ MndtHldr/ DgtlSgntr/ Pty/ Issr	Y	Varchar (100)	It can be “Personal” “Enterprise” “Department”
20	Certificate Thumb Print	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/ MndtHldr/ DgtlSgntr/ Pty/ ThumbPrint	Y	Varchar (100)	Thumb Print extracted from user Signature
21	Aadhaar number	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/ MndtHldr/ DgtlSgntr/ Pty/Id/PrvtId/S OSE	N	Int	Aadhaar number of Party
22	PAN Number	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/ MndtHldr/ DgtlSgntr/ Pty/Id/PrvtId/P AN	N	Varchar (10)	PAN Number of Party
23	Designation	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/ MndtHldr/ DgtlSgntr/ Pty/ Prtry/Nm	Y	Varchar(35)	Designation of party

24	Department	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/ MndtHldr/ DgtlSgntr/ Pty/ LglAdr/ Dept	Y	Varchar (35)	Department name of the Party
25	Sub- Department	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/ MndtHldr/ DgtlSgntr/ Pty/ LglAdr/ SubDept	Y	Varchar (35)	Sub Department name of the Party
26	Street Name	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/ MndtHldr/ DgtlSgntr/ Pty/ LglAdr/ StrtNm	N	Varchar (35)	Address: Street Name
27	Building Number	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/ MndtHldr/ DgtlSgntr/ Pty/ LglAdr/ BldgNb	N	Varchar (35)	Address: Building Number
28	Postal Code	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/ MndtHldr/ DgtlSgntr/ Pty/ LglAdr/ PstCd	N	Int	Address: Postal Code
29	Town Name	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/ MndtHldr/ DgtlSgntr/ Pty/ LglAdr/ TwnNm	N	Varchar (35)	Address: Town Name
30	District Census Code	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/ MndtHldr/ DgtlSgntr/ Pty/ LglAdr/ DstCd	Y	Varchar (5)	District Census Code
31	State Census Code	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/ MndtHldr/ DgtlSgntr/ Pty/ LglAdr/ PrvcCd	Y	Varchar (5)	State Census Code

32	Phone Number	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/ MndtHldr/ DgtlSgntr/ Pty/ CtctDtls / PhneNb	N	Int Max 10	Phone Number
33	Mobile Number	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/ MndtHldr/ DgtlSgntr/ Pty/ CtctDtls / MobNb	N	Int Max 10	Mobile Number
34	Email Address	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/ MndtHldr/ DgtlSgntr/Pty/ CtctDtls/ EmailAdr	Y	Varchar (50)	Email Address
35	Minimum Amount of Debit Transaction	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/ MndtHldr/ DgtlSgntr/ Authstn/ MinAmtPerTx	N	Amount	Limit : Minimum Amount of Debit Transaction It should be a whole number. No decimals are allowed
36	Maximum Amount of Debit Transaction	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/ MndtHldr/ DgtlSgntr/ Authstn/ MaxAmtPerTx	Y	Amount	Limit : Maximum Amount of Debit Transaction. It should be a whole number. No decimals are allowed
Digital signature Related details Ends here					
37	Purpose of Enrollment	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/BkOpr/Domn /Cd	Y	Varchar(4)	The value of this attribute will be "PMNT" i.e. Payment
38.	Scheme Major Head	AcctMndtMntncRe q/ RptAcct/ Accts/ Mndt/BkOpr/Domn / Fmly/Cd	N	Varchar(4)	Not applicable for Agency DSC

39.	Scheme Minor Head	AcctMndtMntncReq/ RptAcct/ Accts/ Mndt/ BkOpr/ Domn /Fmly/SubFmlyCd	N	Varchar(4)	Not applicable for Agency DSC
40.	MemFId	AcctMndtMntncReq/ RptAcct/ Accts/ Mndt/ MemFId	Y	Varchar(500)	Fixed Message “I RAVINDER KUMAR this message within the amount from Department, confirm that account mentioned in this message is operated by me and I shall be using this digital signature for payment signing as appended below with mentioned above through PFMS.” To be provided. Only the Party Name i.e. Ravinder Kumar needs to be replaced with actual Party Name

Table 9

Note: For Cancellation of Enrolled Digital signature

If the TxTp = “CANC”, i.e. for Cancellation of Digital Signature then, below fields are mandatory and rest are optional

- a) AcctMndtMntncReq/GrpHdr
- b) AcctMndtMntncReq/ RptAcct/ Accts/ Acct/ AcctId/ Id/ BBAN
- c) AcctMndtMntncReq/ RptAcct/ Accts/ Mndt/ MndtHdr/ DgtlSgntr/ Pty/ Cert

5.3 XML File Structure

```
<DscEnrolmentRequest xmlns="http://pfms.nic.in/EnrolmentRequest">
<AcctMndtMntncReq>
<GrpHdr>
<MsgID>021DSCENRREQ030420182</MsgID>
<CreDtTm>2018-04-03T16:34:31.820</CreDtTm>
<OrgId>
<SchmeCd> </SchmeCd>
</OrgId>
<InitgPty>
<Nm>Agency Name</Nm>
<Id>Agency Unique Id</Id>
</InitgPty>
```

```

<PRcId>DSC</PRcId>
<Prtry>
<TxTp>ADDN</TxTp>
</Prtry>
</GrpHdr>
<RptAcct>
<Accts>
<Acct>
<AcctId>
<Id>
<BBAN>50389862447</BBAN>
</Id>
<Nm> M/S. SWASTHYA KALYAN SAMITI NUHM UPHC</Nm>
<Tp> CACC </Tp>
</AcctId>
</Acct>
<AcctSvcrId>
<FinInstnNm>State Bank Of India</FinInstnNm>
<BrnchId>SBI0211990</BrnchId>
</AcctSvcrId>
<Mndt>
<ID>12227</ID>
<SgntrOrdrInd>1</SgntrOrdrInd>
<MndtHldr>-----This can repeat as per the number of signatories
<DgtlSgntr>
<StartDt>2018-04-03</StartDt>
<EndDt>2020-04-03</EndDt>
<Pty>
<NM>RAVINDER KUMAR</NM>
<Cert>218E6D0A01014FED</Cert>
<ThumbPrint>jdfkjaskfj</ThumbPrint>
<Issr>Personal</Issr>
<ID>
<PrvtId>
<SOSE/>
<PAN/>
</PrvtId>
</ID>
<Prtry>
<Nm/>
</Prtry>
<LglAdr>
<Dept/>
<SubDept/>
<StrtNm>UPHC MAHAVIR COLONY</StrtNm>
<BldgNb/>
<PstCd>125001</PstCd>
<TwnNm>HISAR</TwnNm>
<DstCd> </DstCd>
<PrvcCd> </PrvcCd>
<LglAdr>
<CtctDtls>

```

```

<PhneNb>8558894001</PhneNb>
<MobNb>8558894001</MobNb>
<EmailAddr>dfa.rhm@gmail.com</EmailAddr>
</CtctDtls>
</Pty>
<Authstn>
<MinAmtPerTx> </MinAmtPerTx>
<MaxAmtPerTx>50000</MaxAmtPerTx>
</Authstn>
</DgtlSgntr>
</MndtHldr>
<BkOpr>
<Domn>
<Cd>PMNT</Cd>
</Domn>
</BkOpr>
<MemFld>
I RAVINDER KUMAR from Department, confirm that account mentioned in this message is
operated by me and I shall be using this digital signature
for payment signing as appended below with this message
within the amount mentioned above through PFMS.
</MemFld>
</Mndt>
</Accts>
</RptAcct>
</AcctMndtMntncReq>
<Signature xmlns="http://www.w3.org/2000/09/xmldsig#">
<SignedInfo>
<CanonicalizationMethod Algorithm="http://www.w3.org/TR/2001/REC-xml-c14n-20010315"/>
<SignatureMethod Algorithm="http://www.w3.org/2000/09/xmldsig#rsa-sha1"/>
<Reference URI="">
<Transforms>
<Transform Algorithm="http://www.w3.org/2000/09/xmldsig#enveloped-signature"/>
<Transform Algorithm="http://www.w3.org/TR/2001/REC-xml-c14n-20010315#WithComments"/>
</Transforms>
<DigestMethod Algorithm="http://www.w3.org/2000/09/xmldsig#sha1"/>
<DigestValue>Pa+5ByEAXyO5X7an03h1KY46aQU=</DigestValue>
</Reference>
</SignedInfo>
<SignatureValue>
uEN5MdzMvfExobfxIKjH8NF5iwJn/AmGN3aqRHFBjZ1rrKwXsw01MMVeEqEgBS16qr+HIzZe1ZIVC
XzNUyp/iYy4VQckFjgbF+GATjNIQbiKFCiGfdc+Q9j0SBky5CJui2VX9sSNmEx/a4XagD3MFubgN
z6BVKGMrU38U1SDEUM/wB/2pk6ln8s+Hffv5jcA1LSuRRqccxpNNNp3WoU5yIKtI8F4ffvT9U2P
et2i1N2sa+btEPNFpoDnJwYbsiILkO8OggSYUv8ITNNd4lUAQ0FH2OEddi3KgawBWx+kjog3xfri
i1+3/YFnxHQrZR3Y3g4f6RVhkNFI3f8EcHu6zw==
</SignatureValue>
<KeyInfo>
<X509Data>
<X509Certificate>
MIIFUTCCBDmgAwIBAgIIIIY5tCgEBT+0wDQYJKoZIhvcNAQELBQAwdDELMAkGA1UEBhMCSU4xIjAg
BgNVBAoTGVNpZnkgVGVjaG5vbG9naWVzIEpbW10ZWQxDzANBgNVBAstB1N1Yi1DQTEwMC4GA1UE
AxMnU2FmZVNjcnlwCBzdWItQ0EgZm9yIFJDQUkgQ2xhc3MgMiAyMDE0MB4XDTE4MDQwMzA3MDgw

```

```

MloXDTIwMDQwMzA3MDgwMlowggEYMQswCQYDVQQGEwJJTjERMA8GA1UEChMIUGVyc29uYWwxDzAN
BgNVBBETBjEyNzAyOTEQMA4GA1UECBMHSGFyeWFuYTFJMEcGA1UEFBNAZTY3N2NhMDAxZDI5OWFj
NjBkNWI4YjM5MDJiN2JjNjcwYTM1ZDNjNWZkZGJmZTcyYWM4YTkzODRkOTQ4MzYyYTEqMCgGA1UE
LQMhADcO4kWGAPNF6lnhnfMn20Yik1g1hQW1XOTF1h8uFzW7MUkwRwYDVQQFE0AxYmM0OTdkN2Vi
YThkODIXYjA5M2NhNDEyYTC4MjE0OGY2YzBiNmVhNmU3NzU0M2Q1Zja1MGFiOWE0OWU4NT1kMREW
DwYDVQQDEwhSQVZJTkRFUjCCASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBALrTNIy7f0Dq
6Tfc6i05vxXQFLirZUCbyFL83I2OuvRp+7mw11bDEdTDzwVYE3maRLkyrUC4WOGXfGEmucGEFqu/
2iLVfeoerdMtNSp/8JqQdrzZIEBDbBRlazm7Tdb136i8pno9Scx5J71xiMbWvdgJayoCRDIs5euk
9ynCuzXeXwfSjG+bBzR0XjyXaZXfBeUQE19WC0BZGACC/14LVGY7f5+CikEoeK0dmIw5s7qfj+n4
f3Aw4GMJr0R8TxWnzresWiRcOPqg5ZSqwM3vXGfAPRtLNKGyh4tDFsCyHxVXq7xxXrgsGBnSJSt1
TpRX9jv1+pgoxBRwnyowaVF1zs8CAwEEAAaOCAT8wggE7MA4GA1UdDwEB/wQEAWIGwDATBgNVHSME
DDAKgAhDDjdX6sfZCDARBgNVHQ4ECgQIT368saVkJQmEwHwYDVRORBGwFoEUQU5LSVRTRUMyMEBH
TUFJTC5DT00wRwYDVROfBEAwPjA8oDqgOIJ2aHR0cDovL2NyBC5zYWZ1c2NyeXB0LmNvbS9TYWZ1
U2NyeXB0UkNBSUNS YXNzMjIwMTQuY3JsmIGBBggrBgfEFBQcBAQR1MHMwSQYIKwYBBQUHMAKGPWh0
dHBzOi8vd3d3LnNhZmVzY3J5chQuY29tL2RydXBhbC9kb3dubG9hZC9SQ0FJQ2xhc3MyMjAxNC5j
ZXiWJgYIKwYBBQUHMAGGGmh0dHA6Ly9vY3NwLnNhZmVzY3J5chQuY29tMBMGA1UdIAQMMAwCAYG
YIJKZAICMA0GCSqGSib3DQEBCwUA4IBAQ7ohMi0Jq/5TezQ4rjNaal/PioG9KfnjJwP17cqjnK
dAOklp0VKgN6CSV/SU/sZPrp4N5ZeGuOB6qunyohUyc9ny5zK5hGCFN4kUtCRbj2zzTjghHN/z3V
myC5VZ7xzvC1QNjwEaqckzYo9oGCqODtKNfMM63eSDRmSrUNmH2eLu4+hnKUjCaUzz/FW+y6tJpk
wJOGDEEHnKoYPWG2u7GpTac4h5hzGD14NgtukZ0pzINS7wx3NxyevPRQCObHvsjc7NK7kHzBxG/X
0axV7YMu+uhRupJD7E2c7sgR+XjZIoK1aCqLb7oMOOI1IA3DK0JzWDnSGFuxc21aRvedqg2M
</X509Certificate>
</X509Data>
<KeyValue>
<RSAKeyValue>
<Modulus>
utM0jLt/QOrpN8LqI7m/FdAUuKt1QJvIUvzcjY669Gn7ubDXVsMR1MPPBVgTeZpEuTKtQLhY4Zd8
YSa5wYQWq7/aItV96h6t0y01Kn/wmpB2vNkgQENsFETrObtN1uXfqLyjej1ILHknvXGIxta92A1r
KgJEMizl66T3KcK7Nd5fB9KMb5tnNHRPJDpld8F5RAQj1YLQFkYAIL+XgtUZjt/n4KKQSh4rR2Y
jDmzup+P6fh/
+qD11JDAze9cZ8A9G0s0obKHi0MWwLIFFVerVHFe
uCwYGdIlK2VO1ff2O/X6mChcFHcfKjBpUWVmzw==
</Modulus>
<Exponent>AQAB</Exponent>
</RSAKeyValue>
</KeyValue>
</KeyInfo>
</Signature>
</DscEnrolmentRequest>

```

There are four main sections to an XML Digital Signatures as used part of PFMS message:

- **SignedInfo** – contains the filter information such as canonicalization method, signature algorithm and references describing what form sections are included or excluded from the signature.
- **SignatureValue** – contains the signature hash for signed portions of the form. The SignatureValue remains empty until the form is signed.
- **KeyInfo** – contains information about the signing certificate. The KeyInfo remains empty until the form is signed.

- **Object** – contains additional signature metadata, storing information such as timestamp and signature format.

5.4 Validation of DSC Enrollment File Data by PFMS:

After receiving the DSC Enrollment file from STATE/SCHEME DBT Portal, Following validations will be applied on the file records

S.No	ErrorCode	ErrorDescription
1.	CDE0001	Message Id not as per defined format, It should be combination of source + DSCENRREQ + DDMMYY+Seq No.
2.	CDE0002	Duplicate Message ID
3.	CDE0003	Mandatory fields value missing
4.	CDE0004	Initiating Party Id should be PFMS Agency Code
5.	CDE0005	File Name and Message Id should be same
6.	CDE0006	Invalid Enrolment Process Id. It can be "DSC"
7.	CDE0007	Invalid Enrolment purpose. It can be "ADDN", "CANC"
8.	CDE0008	Account Type should be GOVT, SVGS, CACC, LOAN
9.	CDE0009	Account number is marked as Invalid in PFMS.
10.	CDE0010	Aadhaar is structurally invalid.
11.	CDE0011	IFSC Code is invalid.
12.	CDE0012	Number of Signatories can be a minimum of 1 and maximum of 4
13.	CDE0013	Digital Signature Start Date or End Date format is incorrect
14.	CDE0014	Digital Signature Start Date is not <= End Date
15.	CDE0015	Digital Signature Start Date is not less than Sysdate
16.	CDE0016	Certificate number not correct
17.	CDE0017	Mobile Number should be of 10 digits.
18.	CDE0018	PinCode should be numeric.
19.	CDE0019	PinCode should be of 6 digits.
20.	CDE0020	Amount cannot be -ve.
21.	CDE0021	Invalid Scheme Major head.
22.	CDE0022	Invalid Scheme Major head.
23.	CDE0023	Wrong Data Type/Data Length/Data Type Format
24.	CDE0024	File not processed by PFMS due to format error
25.	CDE0025	Account/Scheme is not registered by this Agency in PFMS
26.	CDE0026	No decimals are allowed in Amount field
27.	CDE0027	Verification of Digital Signature Failed.
28.	CDE0028	This signature is already registered for some other agency
29.	CDE0029	Duplicate Entry for Agency Code + Scheme Code + Account No. + DSC S.No + Active status in the file or already registered in PFMS

30.	CDE0030	Invalid State/District Code.
31.	CDE0031	Cancellation request can not be processed because valid enrollment is not available for this signature.
32.	CDE0032	Enrollment Purpose Must be 'PMNT'
33.	CDE0033	Debit Bank is not enable for DSC payment.
34.	CDE0034	Certificate issuer must be one of these Personal/Enterprise/Department.
35.	CDE0035	Mandate id already used in active DSC for this External System.
36.	CDE0036	Start date and end date tag value of XML must be between date of DSC NotBefore and NotAfter.
37.	CDE0037	DSC Serial Number miss matched.
38.	CDE0038	DSC Thumb Print miss matched.
39.	CDE0039	DSC Signatory Name should match with <509certificate> tag 'CN' value.
40.	CDE0040	Validity period of issued DSC cannot be more than 2 years.
41.	CDE0041	DSC should be issued by CA empanelled with CCA india.

Table 10

After applying all the validations as mentioned above, If all the records pass the validations then the file will be accepted for further processing otherwise file will be rejected and information will be sent back to the STATE/SCHEME DBT Portal.

Acknowledgement will be sent back to the STATE/SCHEME DBT Portal even though all the records pass the validations and file has been accepted for further processing. So if there were issues in some records, reasons for rejection will be provided for those records.

Note: The DSC Enrolment file as received from External system must be digitally signed by the signatories whose name are mentioned in the XML File

5.5 Field List for DSC Enrolment File Acknowledgement

Following is the list of fields which are to be included in Payment file Acknowledgement XML file:

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					
1	Unique Message Id	DscEnrolmentAck/ DSCEnrolmentAckRpt / GrpHdr/MsgId	Y	Varchar(25)	This is a unique identifier for the message (file) for tracking and troubleshooting purpose. We can keep the MessageId in <Source System Id given by

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
					<p>PFMS> DSCENRACKDDMMYYYYNNN format, where <Source System Id given by PFMS> stand for four digits Source System Id which is given by PFMS, DSCENRACK stands for DSC Enrolment Acknowledgement, DD for day, MM for month, YYYY for year and N for a sequence number for a day i.e. the message id can be 0002DSCENRACK050620181 for the first message generated on 5-Jun 18 or 0002DSCENRACK29052018109 for the 109th message generated on 29-May-18.</p>
2	Message Date Time	DSCEnrolmentAckRpt / GrpHdr/CreDtTm	Y	Datetime	<p>It is date and time when the message is generated in source system. The format for Message Date Time is YYYY-MM-DDTHH:MM:SS 2018-04-03T16:34:31.820</p>
3	Data Source	DSCEnrolmentAckRpt / GrpHdr/Src	Y	Varchar(5)	Since this file is always sent by PFMS the value for this attribute will always contain "PFMS".
4	Destination	DSCEnrolmentAckRpt / GrpHdr/Dest	Y	Varchar(5)	As allotted by PFMS e.g. Value for Punjab DBT App is '0002'
5	Original Message Id	DSCEnrolmentAckRpt / OrgnlGrpInfAndSts / OrgnlMsgId	Y	Varchar(25)	Original Message Id received in DSC Enrollment request file
6	Group Status /File Level Status	DSCEnrolmentAckRpt / OrgnlGrpInfAndSts / GrpSts	Y	Varchar(4)	File Level Status ACCP = Accepted RJCT = Rejected
7	Reject/Failure Reason Code	DSCEnrolmentAckRpt / OrgnlGrpInfAndSts / GrpStsRsnInf / Rsn/ Cd	Y when TxSts is RJCT	Varchar(10)	This tag will be repeated in case of multiple errors.

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
8	Reject/Failure Reason Narration	DSCEnrolmentAckRpt / OrgnlGrpInfAndsts / GrpStsRsnInf / Rsn/ AddtlInf	Y when Rsn/Cd is available	Varchar(100)	Reject/Failure Reason Narration.
Below tags will be repeated for each Signatory					
9	Certificate Number	DSCEnrolmentAckRpt / OrgnlGrpInfAndsts /OrgnlSigInfAndsts / PrTry /Cert	Y	Varchar(16)	Digital Certificate Number of the Signatory
10	Thumb Print	DSCEnrolmentAckRpt / OrgnlGrpInfAndsts /OrgnlSigInfAndsts / PrTry /ThumbPrint	Y	Varchar(16)	Thumb Print extracted from user Signature
11	Record Level Status	DSCEnrolmentAckRpt / OrgnlGrpInfAndsts /OrgnlSigInfAndsts / Txsts	Y	Varchar(4)	Record Level Status ACCP = Accepted RJCT = Rejected
12	Reject/Failure Reason Code	DSCEnrolmentAckRpt / OrgnlGrpInfAndsts /OrgnlSigInfAndsts / StsRsnInf/Rsn/ Cd	Y when Txsts is RJCT	Varchar(10)	This tag will be repeated in case of multiple errors.
13	Reject/Failure Reason Narration	DSCEnrolmentAckRpt / OrgnlGrpInfAndsts /OrgnlSigInfAndsts / StsRsnInf/Rsn/ AddtlInf	Y when Rsn/Cd is available	Varchar(100)	Reject/Failure Reason Narration.

Table 11

Note: If the “Grpsts” = “RJCT” then the entire DSC Enrolment Request file will be rejected, even if information for one of the signatories may be correct.

5.6 DSC Enrolment File Acknowledgement XML Structure

DSC Enrollment File Acknowledgement (From PFMS):

```

<DscEnrolmentAck xmlns="http://cpsms.nic.in/DSCEnrolmentAck">
<DSCEnrolmentAckRpt>
<GrpHdr>
<MsgId>Unique Message Identifier</MsgId>
<CreDtTm>2012-06-29T15:49:00</CreDtTm>
<Src>PFMS</Src> --Source System name / Sender
<Dest>State Scheme Source System Code</Dest>
</GrpHdr>
<OrgnlGrpInfAndsts>
<OrgnlMsgId>Batch Details</OrgnlMsgId> ---- Original Transaction Batch Reference
<Grpsts>RJCT</Grpsts>
<GrpstsRsnInf>
```

```

<Rsn>
<Cd />
<AddtlInf />
</Rsn>
</GrpStsRsnInf>
<OrgnlSigInfAndsts>
<PrTry>
<Cert>Certificate Number of the Signatory</Cert>
<ThumbPrint> Thumb Print extracted from user Signature</ThumbPrint>
</PrTry>
<Txsts>RJCT</Txsts> ---
<StsRsnInf>
<Rsn>
<Cd>R05</Cd>
<AddtlInf>Narration</AddtlInf>
</Rsn>
<StsRsnInf>
</OrgnlSigInfAndsts>
</OrgnlGrpInfAndsts>
</DSCEnrolmentAckRpt>
</DscEnrolmentAck>

```

6 Submission of Vendor Registration List to PFMS by External System.

External system share vendor list to PFMS for new vendor registration. The submitted vendor records to be validated by PFMS (internal validations). Only record which pass PFMS (internal validation) send for Bank validation. The PFMS will generate vendor code for all those records which is pass bank validation and share with external system.

6.1 SFTP Server Folder Details

The table below summarizes the SFTP Folder details:

Data	Source	FTP Folder Location	Destination	Polling Interval	Folder Permissions
Vendor Registration Request	External System	[PFMS\<Source System Id>\VendorRegistrationData\ToPFMS]	PFMS	As and when new Registration Request is initiated	PFMS to have Read, Write & Delete Access on Folder
Vendor Registration Response	PFMS	[PFMS\<Source System Id>\VendorRegistrationData\FromPFMS]	External System	For every Registration Request	PFMS to have Read and Write Access on Folder

6.2 Field List for Vendor Registration

S.No	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					
1	Unique Message Id	CstmrDtls / GrpHdr/MsgId	Y	Varchar(25)	<p>This is a unique identifier for the message (file). This should be same as file name without file extension. Format will be <Source System Id given by PFMS>VENREGREQDDMMYYYYNNN format, where <Source System Id given by PFMS> stand for four digit Source System Id which is given by PFMS, VENREGREQ is a fixed keyword and stands for Vendor Registration Request, DD for day, MM for month, YYYY for year and NNN for a sequence number for a day i.e. the message id can be 0002VENREGREQ05062018163 for the 163th message generated on 5-Jun</p>
2	Message Date Time	CstmrDtls/ GrpHdr/CreDtTm	Y	Datetime	It is data and time when the message is generated in source system. YYYY-MM-DD format
3	Records Count	CstmrDtls/ GrpHdr/NbOfTxns	Y	Int	This attribute will contain the number of customers included in the file. It will always be more than zero. Count of CstmrTxlnf flag
4	Data Source	CstmrDtls / GrpHdr/Src	Y	Varchar(5)	Source System Id allotted by PFMS to External System
5	Destination	CstmrDtls / GrpHdr/Dest	Y	Varchar(5)	Since this file is always sent to PFMS the value for this attribute will always contain "PFMS".
6	Batch ID	CstmrDtls / CstmrInf/CstmrInf Id	Y	Varchar(17)	Format: CS<Source System Id given by PFMS>DDMMYYXXXX (Total 16

S.No	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
.					characters). CS is fixed for Customer. <Source System Id given by PFMS> refers to the 4 digit Data Source Id given by PFMS, DDMMYY represent the date and XXXX represent four digit running serial number of the day. First file should have serial no. 0001, 2nd file 0002 and so on. Next day serial number should start with 0001.
7	Batch Date	CstmrDtls / CstmrInf/CstmrInf Dt	Y	Date	YYYY-MM-DD format Batch Date.
Following is repetitive information					
8	Unique Identifier for Vendor	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/PrTry/Id	Y	Varchar(100)	Unique Vendor Id of Vendor as existing in External system Portal
9	Purpose	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/Purp/Cd	Y	Char(1)	Purpose of Vendor Record A=Add i.e. for new registration U=Update i.e. for update of details of already registered vendor
10	PFMS Vendor Beneficiary Code	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/Purp/PFMSId	N	Varchar(50)	PFMS Vendor Beneficiary Code. This is mandatory, if Purpose of vendor record is 'U'.
11	Vendor Name	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/NmRegLang	Y	Varchar Max 99	It is the name of the vendor in English as provided by external system. Vendor will be registered at PFMS with the name provided in this tag.
12	Vendor Type	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/Tp	Y	SmallInt	Vendor Type Code Please refer to the Master below as in Section 6.6
13	Date Of Birth	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/BirthDt	N	Date Max 10	Date of Birth of the Beneficiary. It should be in YYYY-MM-DD format.

S.No	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
14	F-M-H-Flag	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/ReltnCd	N	Char(1)	To indicate father/mother/husband name. Allowed values 'F','M','H' . 'N' for not available
15	Father/ Mother/ Husband Name	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/ReltnNm	N	Varchar Max 99	Father/Mother/Husband Name in English Language
16	AadhaarNumber	CstmrDtls/ CstmrInf/ CstmrTxInf/Cstmr/ CstmrAcct/ AcctId/Othr/SOSE	N	Numeric Max 12	Aadhaar/UID number In case of MIS this field should be blank, in the case of MIS Aadhaar number will not be shared with PFMS. If shared then request will be rejected.
17	GST number	CstmrDtls/ CstmrInf/ CstmrTxInf/Cstmr/ CstmrAcct/ AcctId/Othr/GSTNb	N	Varchar Max 25	GST Number of the Beneficiary to be registered.
18	PANNumber	CstmrDtls/ CstmrInf/ CstmrTxInf/Cstmr/ CstmrAcct/ AcctId/Othr/PANNb	N	Alpha-Numeric Max 10	This tag will capture the PAN number of the concerned Beneficiary.
19	ServiceTaxNumber	CstmrDtls/ CstmrInf/ CstmrTxInf/Cstmr/ CstmrAcct/ AcctId/Othr/SrvctaxNb	N	Varchar Max20	Service Tax Number of the Beneficiary to be registered.
20	TINNumber	CstmrDtls/ CstmrInf/ CstmrTxInf/Cstmr/ CstmrAcct/ AcctId/Othr/TINNb	N	Alpha-Numeric Max 50	TIN number of the Beneficiary to be registered at PFMS.
21	TANNumber	CstmrDtls/ CstmrInf/ CstmrTxInf/Cstmr/ CstmrAcct/ AcctId/Othr/TANNb	N	Alpha-Numeric Max50	TAN number of the Beneficiary to be registered at PFMS.

S.No	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
22	Address1	CstmrDtls/ CstmrInf/ CstmrTxInf/Cstmr/ PstlAdr/ AdrLine1	Y	Alpha-Numeric Max 50	House No, Building no./name, delimited by “,”
23	Address2	CstmrDtls/ CstmrInf/ CstmrTxInf/Cstmr/ PstlAdr/ AdrLine2	N	Alpha-Numeric Max 50	Sub Locality-1, Sub Locality-2, Locality delimited by “ , ”
24	Address3	CstmrDtls/ CstmrInf/ CstmrTxInf/Cstmr/ PstlAdr/ AdrLine3	N	Alpha-Numeric Max 50	Sub Locality-1, Sub Locality-2, Locality delimited by “ , ” No tag will be generated if Address Line 3 is not available.
25	City	CstmrDtls/ CstmrInf/ CstmrTxInf/Cstmr/ PstlAdr/CityNm	Y	Text Max 25	City Name
26	Country Code	CstmrDtls/ CstmrInf/ CstmrTxInf/Cstmr/ PstlAdr/CtryCd	Y	Text Max 10	Country Code
27	State Code	CstmrDtls/ CstmrInf/ CstmrTxInf/Cstmr/ PstlAdr/PrvcCd	Y	Text Max 10	State LGD Code
28	District Code	CstmrDtls/ CstmrInf/ CstmrTxInf/Cstmr/ PstlAdr/DstCd	Y	Text Max 10	District LGD Code
29	Pin Code	CstmrDtls/ CstmrInf/ CstmrTxInf/Cstmr/ PstlAdr/PstCd	N	Numeric Max 6	Related Pin Code for the address being sent in this message.
30	Mobile Number	CstmrDtls/ CstmrInf/ CstmrTxInf/Cstmr/ CtctDtls/MobNb	N	Numeric Max10	It is the 10 digit mobile number of the Beneficiary as received from External System
31	Phone number	CstmrDtls/ CstmrInf/ CstmrTxInf/Cstmr/ CtctDtls/PhneNb	N	Numeric Max 12	Phone number of the Beneficiary as received from External system

S.No	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
32	Email	CstmrDtls/ CstmrInf/ CstmrTxInf/Cstmr/ CtctDtls/EmailAdr	N	String Max 99	E-mail address of the Beneficiary as provided by external system.
Below is the Bank Details. This loop can repeat multiple times for multiple account details					
33	Account Number	CstmrDtls/ CstmrInf/ CstmrTxInf/Cstmr/ CstmrAgt/ FinInstnId/BBAN	Y	Alpha-Numeric Max20	Bank Account number of the Vendor
34	Action on Account	CstmrDtls/ CstmrInf/ CstmrTxInf/Cstmr/ CstmrAgt/ FinInstnId/AcctActn	Y	Char 1	Action to be taken for the Vendor Account details It can be 'A' = Adding the Account Details 'D' = Disable the already registered Account.'D' is applicable only if Purpose is 'U' and
35	Bank Name	CstmrDtls/ CstmrInf/ CstmrTxInf/Cstmr/ CstmrAgt/ FinInstnId/ BICFI	Y	Varchar Max 100	This is the name of the bank in which the Beneficiary is having account. Master to be taken from PFMS
36	IFSC Code	CstmrDtls/ CstmrInf/ CstmrTxInf/Cstmr/ CstmrAgt/ FinInstnId/BrnchId	Y	Varchar Max 11	IFSC Code of the Beneficiary Account being reported in the message. IFSC Code is 11 digit code alphanumeric [4 characters alphabetic bank abbreviation as defined under PFMS standards+ "0"+6 digit branch code] In case of MIS, For Aadhaar based payment external system share bank's IIN Number [6-digit] in this field.

6.3 XML File Structure

Below is the proposed format of the XML file sent to PFMS for Vendor Registration fields

```
<VendorRegRequest xmlns="http://cpsms.nic.in/VendorRegistrationRequest">
<CstmrDtls>
<GrpHdr>
  <MsgId>Unique Message Identifier</MsgId>
  <CreDtTm>2013-02-13T14:07:00</CreDtTm>
  <NbOfTxns>1</NbOfTxns>
  <Src>0012</Src>
  <Dest>PFMS</Dest>
</GrpHdr>
<CstmrInf>
  <CstmrInfId>Batch Number</CstmrInfId>
  <CstmrInfDt>2018-08-13</CstmrInfDt>
  <CstmrTxInfnf>
    <Cstmr>
      <PrTry>
        <Id> </Id>
      </PrTry>
      <Purp>
        <Cd>A</Cd>
        <PFMSId>Beneficiary Code in PFMS</PFMSId>
      </Purp>
      <NmRegLang>Alok</NmRegLang>
      <Tp>1</Tp>
      <BirthDt>2016-08-11</BirthDt>
      <ReltnCd>F</ReltnCd>
      <ReltnNm>Dhirendra Singh</ReltnNm>
      <CstmrAcct>
        <AcctId>
          <0thr>
            <SOSE>788663465634</SOSE>
            <GSTNb>ASM007344</GSTNb>
            <PANNb>ASMAA0044A</PANNb>
            <SrvcTaxNb>ASM007344</SrvcTaxNb>
            <TINNb>123456789</TINNb>
            <TANNb>123456789</TANNb>
          </0thr>
        </AcctId>
      </CstmrAcct>
    </Cstmr>
  <PstlAdr>
    <AdrLine1>Delhi</AdrLine1>
  </PstlAdr>
</CstmrInf>
</CstmrDtls>
</VendorRegRequest>
```

```

        <AdrLine2>Delhi</AdrLine2>
        <AdrLine3>Address31</AdrLine3>
        <CityNm>Delhi</CityNm>
        <CtryCd> </CtryCd>
        <PrvcCd> </PrvcCd>
        <DstCd> </DstCd>
        <PstCd> </PstCd>

    </Pst1Addr>
    <CtctDtls>
        <MobNb>8742973340</MobNb>
        <PhneNb>22441374</PhneNb>
        <EmailAdr>alok.yadav71@gmail.com </EmailAdr>
    </CtctDtls>
    <CstmrAgt>
        <FinInstnId>
            <BBAN>20085148786</BBAN>
            <AcctActn>A</AcctActn>
            <BICFI>State Bank Of India</BICFI>
            <BrnchId>SBI0098</BrnchId>
        </FinInstnId>
        <FinInstnId>
            <BBAN>20085148798</BBAN>
            <AcctActn>A</AcctActn>
            <BICFI>State Bank Of India</BICFI>
            <BrnchId>SBI0098</BrnchId>
        </FinInstnId>

    </CstmrAgt>
</Cstmr>
</CstmrTxInf>
</CstmrInf>
</CstmrDtls >
</VendorRegRequest>

```

6.4 Validation of Vendor List received from External System Portal:

PFMS internal validations will be applied on each record of Vendors received in the file. PFMS will send the only those Vendor records to the respective Banks/Post offices for validation of Vendor Accounts which pass the PFMS internal validation checks.

Following is the list of validations which will be applied for each Vendor Records

S.No.	ErrorCode	ErrorDescription
1	CVE0001	Mandatory Tags values are missing.
2	CVE0002	Request Source Code as provided by External System is incorrect
3	CVE0003	Vendor Beneficiary Type does not exists in PFMS

S.No.	ErrorCode	ErrorDescription
4	CVE0004	Invalid value for GST Number
5	CVE0005	Duplicate Batch ID/Message ID not allowed.
6	CVE0006	AADHAAR Number should be of 12 digits and must pass the algorithm provided by UIDAI.
7	CVE0007	Invalid value for Service Tax number
8	CVE0008	Duplicate Vendor Beneficiary Name , Bank Account No and Bank Name not allowed
9	CVE0009	Rejected by Bank, As per Bank Account Number is Invalid.
10	CVE0010	Bank Name is not as per PFMS Bank Master.
11	CVE0011	Invalid value for PAN Number
12	CVE0012	One of AADHAAR Number or Bank Account details are mandatory
13	CVE0013	Address limit exceeded.
14	CVE0014	Date of birth should be in correct date and less than System Date.
15	CVE0015	Mobile number/Phone Number should be of 10 digits only.
16	CVE0016	Invalid Batch Format, It should be as CS {Source System Id} DDMMYY {4 digit Sequence}.
17	CVE0017	Both State and District are not mutually compatible
18	CVE0018	Invalid State Code. It should be as per PFMS Master
19	CVE0019	Invalid District Code. It should be as per PFMS Master
20	CVE0020	Invalid value for TIN Number
21	CVE0021	Invalid value for TAN Number
22	CVE0022	Invalid Email Id
23	CVE0023	Invalid IFSC Code.
24	CVE0024	Invalid Country Code. It should be as per PFMS Master
25	CVE0025	Wrong Data Type/Length Format.
26	CVE0026	Postal Code should be numeric value
27	CVE0027	Error in reading file, File is malformed
28	CVE0028	Rejected by Bank, Account No does not exist in Bank
29	CVE0029	Blocked Account
30	CVE0030	Rejected by Bank, Account status is closed.
31	CVE0031	Duplicate Aadhaar Number Found In The File
32	CVE0032	Aadhaar Number is not seeded in NPCI
33	CVE0033	Vendor Beneficiary Name Len is greater than 99
34	CVE0034	Bank Name And IFSC Code are not related to each other
35	CVE0035	UID And Account Both Are Invalid
36	CVE0036	Bank Not Responded.
37	CVE0037	UID is Invalid and account is Rejected due to no response received from bank within specified days
38	CVE0038	UID is Invalid and account is closed.
39	CVE0039	UID is Invalid and account is blocked.

S.No.	ErrorCode	ErrorDescription
40	CVE0040	UID is Invalid and account is inactive.
41	CVE0041	Invalid Vendor Type Code
42	CVE0042	Action on Account – Value ‘D’ is applicable only if Purpose is ‘U’
43	CVE0043	Invalid Message ID Format
44	CVE0044	Message ID should be same as File name without extension
45	CVW0045	Vendor Created based on UID, but account is Invalid.
46	CVW0046	Vendor Created based on UID, but account is Closed.
47	CVW0047	Vendor Created based on UID, but account is Blocked.
48	CVW0048	Vendor Created based on account, but UID is Invalid.
49	CVW0049	Vendor Created based on UID as account is Rejected due to no response received from bank within specified days
50	CVW0066	No response received from concerned bank within 3 days, therefore PFMS has created vendor ID based on the information shared on request file.
51	CVE0050	Bank Account No for provided Bank Name already exists in PFMS
52	CVE0051	Invalid F-M-H flag
53	CVE0052	Bank/RBI not integrated
54	CVE0053	Vendor Record Count and Total Records in file are not matched
55	CVE0054	Vendor Name is not in English or less than 3 characters
56	CVE0055	City limit exceeded.
57	CVE0056	Vendor Name is not in English or less than 2 characters
58	CVE0057	UID is valid, but Account is Invalid
59	CVE0058	Account is valid, but UID is Invalid
60	CVE0059	UID already exists in PFMS
61	CVW0056	Vendor Created based on UID, but IFSC code not match with bank.
62	CVW0057	UID is disable and Vendor has been created based on account.
63	CVW0058	UID never enabled and Vendor has been created based on account.
64	CVW0059	UID is cancelled by UIDAI and Vendor has been created based on account.

S.No.	ErrorCode	ErrorDescription
65	CVE0060	Purpose should be A or U
66	CVE0061	IIN Number is not as per PFMS Bank Master.
67	CVE0062	Aadhaar Number is not required for MIS data
68	CVE0063	Bank IIN Number and Bank Name should be match
69	CVE0064	Invalid Batch Date Format. It should be YYYY-MM-DD.
70	CVE0065	Account is Invalid.
71	CVE0066	UID is Disable and account is blocked.
72	CVE0067	UID NEVER ENABLE and account is blocked.
73	CVE0068	UID is CANCELLED BY UIDAI and account is blocked.
74	CVE0069	UID is Disable and account is inactive.
75	CVE0070	UID NEVER ENABLE and account is inactive.
76	CVE0071	UID is CANCELLED BY UIDAI and account is inactive.
77	CVE0072	UID is Disable and account is invalid.
78	CVE0073	UID NEVER ENABLE and account is invalid.
79	CVE0074	UID is CANCELLED BY UIDAI and account is invalid.
80	CVE0075	UID is Disable and account is Rejected due to no response received from bank within specified days
81	CVE0076	UID NEVER ENABLE and account is Rejected due to no response received from bank within specified days
82	CVE0077	UID is CANCELLED BY UIDAI and account is Rejected due to no response received from bank within specified days

6.5 Validated File will be sent back by PFMS to External System Portal:

PFMS will send back the complete Vendor Beneficiary list for a batch id with status of each record (valid/invalid with reason) to External System Portal if PFMS receive the bank/post office account validation status(s) from the respective Banks/Post offices within the threshold value else PFMS will send Vendor Beneficiary records which either fail PFMS

internal validations or for which the status has been received within the threshold value. Response file will contain the following fields.

6.5.1 Field List

Following is the list of fields which are to be included in this XML file:

S.N O.	Fields Name	XML File Tag Name	Mandato ry	Data Type	Remarks
Message Header					
1	Unique Message Id	CstmrDtls / GrpHdr/MsgId	Y	Varchar(25)	<p>This is a unique identifier for the message (file) for tracking and troubleshooting purpose. We can keep the MessageId in <Source System Id given by PFMS>VENREGRESDDMM YYYY_NNN format, where <Source System Id given by PFMS> stand for four digit Source System Id which is given by PFMS, VENREGRES stands for Vendor Registration Response, DD for day, MM for month, YYYY for year and N for a sequence number for a day</p> <p>This is a unique identifier for 0002VENREGRES05062018_125 for the 125th message generated on 5-Jun</p>
2	Message Date Time	CstmrDtls / GrpHdr/CreDtTm	Y	Datetime	It is data and time when the message is generated in source system.
3	Records Count	CstmrDtls / GrpHdr/NbOfTxns	Y	Int	This attribute will contain the number of Vendor beneficiaries included in the file. It will always be more than zero.

S.N O.	Fields Name	XML File Tag Name	Mandato ry	Data Type	Remarks
					Count of CstmrTxInf tag
4	Data Source	CstmrDtls / GrpHdr/Src	Y	Varchar(5)	Since this file is always sent by PFMS the value for this attribute will always contain "PFMS".
5	Destination	CstmrDtls / GrpHdr/Dest	Y	Varchar(5)	Destination System Id.
6	Group Error Code	CstmrDtls / GrpHdr/ GrpStsRsnInf/Rsn/Cd	N	Varchar(10)	Error Code if the entire file is rejected due to File format error or File level Validation failure. In case of this issue, Vendor wise details will not be provided in the response file. Rsn/Cd tag will be repeated for multiple errors under GrpStsRsnInf tag.
7	Group Error Description	CstmrDtls / GrpHdr/ GrpStsRsnInf/Rsn/AddtlIn f	N	Varchar(50)	Error Description Rsn/AddtlInf tag will be repeated for multiple errors under GrpStsRsnInf tag.
8	Batch ID	CstmrDtls / CstmrInf/ CstmrInfId	Y	Varchar(16)	It is the same batch ID against which the Vendor Beneficiary list was received.
9	Batch Date	CstmrDtls / CstmrInf/ CstmrInfDt	Y	Date	YYYY-MM-DD format Batch Date It is the same batch date against which the Vendor Beneficiary list was received.
Below is Repetitive Information for each Beneficiary					

S.N o.	Fields Name	XML File Tag Name	Mandato ry	Data Type	Remarks
10	Unique Identifier	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/PrTry/Id	Y	Varchar(25)	Unique Identifier as received in the Vendor Registration Request file for External System
11	Vendor Beneficiary Status	CstmrDtls / CstmrInf / CstmrTxInf / Cstmr/CstmrSts	Y	Varchar(4)	ACCP = Accepted RJCT = Rejected
12	Rejection Reason Code	CstmrDtls / CstmrInf / CstmrTxInf / Cstmr /StsRsnInf/ Rsn/Cd	Mandatory when record is rejected	Varchar(10)	Rsn/Cd tag will be repeated for multiple reasons under StsRsnInf tag.
13	Rejection Reason Narration	CstmrDtls / CstmrInf / CstmrTxInf / Cstmr/StsRsnInf/Rsn/ AddtlInf	Mandatory when reason code is there	Varchar(50)	Rsn/AddtlInf tag will be repeated for multiple reasons under StsRsnInf tag.
14	PFMS Vendor Beneficiary Code	CstmrDtls / CstmrInf / CstmrTxInf/ Cstmr/PFMSId	Mandatory when record is successfully accepted.	Varchar(50)	PFMS Vendor Beneficiary Code
15	PFMS Vendor Aadhaar Number	CstmrDtls / CstmrInf / CstmrTxInf/ Cstmr/CstmrAcct/AcctId/ Othr/SOSE	N	Numeric Max 12	PFMS Vendor Aadhaar Number
Below fields will be populated for Bank Account Details status. This loop can repeat multiple times					
16	Vendor Name as per Bank	CstmrDtls / CstmrInf / CstmrTxInf / Cstmr/CstmrAgt/ /FinInstnId/ BBNm	Y	Varchar Max 99	Vendor Name as registered with Bank. This will be provided only if the Bank is integrated with PFMS and Account status is 'ACCP'
17	Account Number	CstmrDtls /	Y	Alpha-	Account number of the

S.N O.	Fields Name	XML File Tag Name	Mandato ry	Data Type	Remarks
		CstmrInf / CstmrTxInf / Cstmr/CstmrAgt /FinInstnId/ BBAN		Numeric Max20	Vendor
18	Account Status	CstmrDtls / CstmrInf / CstmrTxInf / Cstmr/CstmrAgt /FinInstnId/AcctSts	Y	Varchar (4)	It can be ACCP= Accepted by Bank RJCT= Rejected by Bank DEL= Successfully Deleted
19	Bank Name	CstmrDtls/ CstmrInf/ CstmrTxInf/Cstmr/CstmrA gt/ FinInstnId/ BICFI	Y	Varchar (100)	Vendor Bank Name
20	IFSC Code	CstmrDtls / CstmrInf/ CstmrTxInf / Cstmr/CstmrAgt/ FinInstnId/ BrnchId	Y	Varchar(11)	Bank IFSC Code as received from Bank during bank account validation

Note:

In case there is no response from the concerned bank within 3 days, PFMS will create vendor code based on the information shared by the external system through XML request. In this case PFMS will share warning message with description for such Vendor.

6.5.2 XML File Structure

From PFMS (Response):

```

<VendorRegResponse xmlns="http://cpsms.nic.in/VendorDataResponse">
  <CstmrDtls>
    <GrpHdr>
      <MsgId>Unique Message Identifier</MsgId>
      <CreDtTm>2013-02-13T14:07:00</CreDtTm>
      <NbOfTxns>2</NbOfTxns>
      <Src>PFMS</Src>
      <Dest>State Scheme Source System Code</Dest>
    <GrpStsRsnInf>
      <Rsn>
        <Cd/>
        <AddtlInf/>
      </Rsn>
    </GrpStsRsnInf>
  </GrpHdr>
  <CstmrInf>
```

```

<CstmrInfId>Batch Number</CstmrInfId>
<CstmrInfDt>2013-02-13</CstmrInfDt>
<CstmrTxInf >
    <Cstmr>
        <Prtry>
            <Id> </Id>
        </Prtry>

<CstmrSts>ACPT</CstmrSts>
    <PFMSId>Beneficiary Code in PFMS</PFMSId>
    <CstmrAcct>
        <AcctId>
            <Othr>
                <SOSE>666698563698</SOSE>
            </Othr>
        </AcctId>
    </CstmrAcct>
    <CstmrAgt>
        <FinInstnId>
            <BBNm>Beneficiary Name as per Bank</BBNm>
            <BBAN>20085148798</BBAN>
            <AcctSts>ACCP</AcctSts>
            <BICFI>State Bank Of India</BICFI>
            <BrnchId>SBI0098</BrnchId>
        </FinInstnId>
    </CstmrAgt>
</Cstmr>
<Cstmr>
    <Prtry>
        <Id> </Id>
    </Prtry>
    <CstmrSts>RJCT</CstmrSts>
    <StsRsnInf>
        <Rsn>
            <Cd> </Cd>
            <AddtlInf>Narration</AddtlInf>
        </Rsn>
    </StsRsnInf>
    <CstmrAgt>

        <FinInstnId>
            <BBNm>Beneficiary Name as per Bank</BBNm>
            <BBAN>20085148798</BBAN>
            <AcctSts>RJCT</AcctSts>
            <BICFI>State Bank Of India</BICFI>
            <BrnchId>SBI0082</BrnchId>
        </FinInstnId>
    </CstmrAgt>

    </Cstmr>
</CstmrTxInf >

```

```

</CstmrInf>
</CstmrDtls>
</VendorRegResponse>

```

6.6 Master Data for Vendor Type

S.No.	Vendor Type Code	Vendor Description
1	1	Personal
2	2	Commercial
3	3	Institutional
4	4	Samll Business Finanace
5	5	Small Scale Industries
6	6	NGO

7 Agency Limit Allocation by External System

The external system will do limit allocation for Agencies when they State Nodal Agency has their application and they will push the Agency Limit File to PFMS. Similarly when a Bank is application is used for doing Agency Limit allocation they will also push the Agency limit file to PFMS.

In both the case the external System will share the details of limit allocation of the Child agencies as per the xml schema mentioned below.

7.1 SFTP Server Folder Details:

The table below summarizes the SFTP Folder details:

Data	Source	FTP Folder Location	Destination	Polling Interval	Folder Permission
Limit Allocation Request	External System	[PFMS]<Source System Id>\LimitAllocationData\ToPFMS]	PFMS	As and when new Allocation Request is initiated	PFMS to have Read, Write & Delete. Access on Folder

Limit Allocation Acknowledgement	PFMS	[PFMS\<Source System Id>\LimitAllocationData\FromPFMS]	External System	For every Allocation Request	PFMS to have Read and write access on this folder
----------------------------------	------	--	-----------------	------------------------------	---

7.2 Field List for Agency Limit Allocation

The **Total Limit** is the amount allocated to the child agency and the **Expenditure Limit** is the amount allocated for self-expenditure of the child agency. The Limit for Child Agencies is the difference between Total Limit ad the Expenditure limit of the Agency.

Following is the list of fields which are to be included in the XML file for Limit Allocation File

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					
1	Unique Message Id	LimitAlocation /CstmrCdtTrfInitn /GrpHdr/MsgId	Y	Varchar(25)	This should be same as the file name without extension of file name. Format should be <Source System Id given by PFMS>EATLIMREQDDMMYY YYN N format. NN should start 1 with for a particular day and can go up to anyvalue i.e. 0021EATLIMREQ0504201813
2	Message Date Time	LimitAlocation /CstmrCdtTrfInitn /GrpHdr/CreDtTm	Y	Datetime	It is date and time when the message is generated in sourcesystem.
3	Source System ID	LimitAlocation /CstmrCdtTrfInitn /GrpHdr/Src	Y	Char(5)	This is static code issued by PFMSfor each application. Also called DataSource ID alternatively
4	Destination	LimitAlocation /CstmrCdtTrfInitn /GrpHdr/Dest	Y	Char(5)	This is static code issued by PFMS for each application also called Datasource ID alternatively.
5	Initiating Party	LimitAlocation /CstmrCdtTrfInitn /GrpHdr/InitgPty/ Id	Y	Varchar(50)	Agency Code of Parent agencywhich is Intiating limit allocation. Details to be taken from PFMS.

6	Control Sum	<code>LimitAlocation /CstmrCdtTrfInitn /GrpHdr/CtrlSum</code>	Y	Numeric (18,2)	Sum of total limit of child agencies.
7	Number of transaction	<code>LimitAlocation /CstmrCdtTrfInitn /GrpHdr/NoTxts</code>	Y	INT	Count for transaction of Child agency.
8	Batch ID	<code>LimitAlocation /CstmrCdtTrfInitn /PmtInf/PmtInfId</code>	Y	Varchar(17)	<p>Format: PNNNNDDMMYYYYXXXX X</p> <p>(Total 17 characters. P is fixed for payment file. NNNN refers to the 4digit Source System Id allotted by PFMS, DDMMYYYY represent the date and XXXX represent running serial no. By following thisstructure, Batch ID should be unique throughout the lifecycle of integration.</p> <p>And It should start with 1 for a particular day. E.g. P0021050420181</p>
9	Batch Date	<code>LimitAlocation /CstmrCdtTrfInitn /PmtInf/PmtInfDt</code>	Y	Date	YYYY-MM-DD format Batch Date
S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Below is Repetitive Information for each Child Agency which are part of above mentioned batch					
10	Limit allocation ID	<code>LimitAlocation /CstmrCdtTrfInitn /dtTrfTxInf/PmtI nf/CdtTrfTxInf/Pm tId</code>	Y	Varchar(35)	<p>As generated in the source system.</p> <p>It should be unique across all transaction throughout the life of integration. It can be repeat if rejected Limit allocation file is resent from external system to PFMS after modifier.</p>
11	Scheme code	<code>LimitAlocation /CstmrCdtTrfInitn /CdtTrfTxInf/PmtI nf/CdtTrfTxInf/ OrgId/SchmeCd</code>	Y	Varchar(50)	Scheme code as allotted by PFMS.Master to be taken from PFMS

12	Child Agency unique code	<code>LimitAllocation /CstmrCdtTrfInitn /CdtTrfTxInf/PmtInf/CdtTrfTxInf/ OrgId/Cd</code>	Y	Varchar(50)	Agency Code of Child agency whose limit is allocating. Details to be taken from PFMS.
13	District code	<code>LimitAllocation /CstmrCdtTrfInitn /CdtTrfTxInf/PmtInf/CdtTrfTxInf/ OrgId/DstCd</code>	Y	Text Max 10	District LGD code
14	State code	<code>LimitAllocation /CstmrCdtTrfInitn /CdtTrfTxInf/PmtInf/CdtTrfTxInf/ OrgId/PrvcCd</code>	Y	Text Max 10	State LGD code.
15	Financial Year	<code>LimitAllocation /CstmrCdtTrfInitn /PmtInf/CdtTrfTxInf/FinYr</code>	Y	INT	YYYY format financial year. For eg., for FY 2017-2018, 2018 will be considered
16	Total Limit	<code>LimitAllocation /CstmrCdtTrfInitn /PmtInf/CdtTrfTxInf/LmtAmt</code>	Y	Numeric(18,2)	<p>Total Limit of the child agency.</p> <p>The First value would be the Total Limit of the Agency. This cannot be negative. Subsequent values would represent the Change in the Total Limit. This difference can be + or -.</p>
17	Expenditure Limit	<code>LimitAllocation /CstmrCdtTrfInitn /PmtInf/CdtTrfTxInf/ExpAmt</code>	Y	Numeric(18,2)	<p>Expenditure Limit of the child agency. The First value will represent the the Expenditure limit. This cannot be negative.</p> <p>Subsequent values would represent the Change in the Expenditure Limit. This difference can be + or -.</p> <p>(Ex: if require to increase the limit by 20,000 send (20,000). if require to decrease limit by 25,000 send (-25,000)).</p>
18	Allocation for child agency Limit	<code>LimitAllocation /CstmrCdtTrfInitn /PmtInf/CdtTrfTxInf/ChildAgencyAmt</code>	Y	Numeric(18,2)	This is used for limit allocated for child agency.

19	Date of allocation	<code>LimitAlocation /CstmrCdtTrfInitn /PmtInf/CdtTrfTxIn f/AllocationDt</code>	Y	Date	Date of Limit allocation in External system.
20	Remarks	<code>LimitAlocation /CstmrCdtTrfInitn /PmtInf/ CdtTrfTxInf /Remarks</code>	N	Varchar(200)	If Any
21	Account Type	<code>LimitAlocation /CstmrCdtTrfInitn /PmtInf/ CdtTrfTxInf /AcctTp</code>	Y	Varchar(5)	ZBA- zero Balance Account and SNA- State Nodal Account.

7.3 XML file Structure

Below is the proposed format of the XML file sent to PFMS for Limit Allocation XML File.

```
<?xml version="1.0"?>

<LimitAlocation xmlns="http://pfms.nic.in/LimitAlocation">

<CstmrCdtTrfInitn>

<GrpHdr>

    <MsgId>0021EATLIMREQ0504201813</MsgId>

    <CreDtTm>2018-08-08T14:07:00</CreDtTm>

    <Src>0021</Src>

    <Dest>PFMS</Dest>

    <InitgPty>

        <Id>2563</Id>

    </InitgPty>

<CtrlSum>100000</CtrlSum>

<NoTxts>1</NoTxts>

</GrpHdr>
```

```
<PmtInft>

    <PmtInflId>P00120809201845</PmtInflId>

    <PmtInftDt>2018-08-08</PmtInftDt>

    <CdtTrfTxInft>

        <PmtId>

            <EndToEndId>WhN4HZ2806134959</EndToEndId>

        </PmtId>

        <OrgId>

            <SchmeCd>9156</SchmeCd>

            <Cd>2563</Cd>

            <DstCd>12</DstCd>

            <PrvcCd>12</PrvcCd>

        </OrgId>

        <FinYr>2018</FinYr>

        <LmtAmt>100000</LmtAmt> /* For decrease the limit by 100000 we send ( -100000 )

        <ExpAmt>50000</ExpAmt> /* For decrease the limit by 50000 we send ( -50000 )

        <ChildAgencyAmt>5000</ChildAgencyAmt>

        <AllocationDt>2018-08-08</AllocationDt>

        <Remarks>Limit allocation</Remarks>

        <AcctTp>ZBA/SNA</AcctTp>

    </CdtTrfTxInft>

</PmtInft>

</CstmrCdtTrfInitn>
```

```
</LimitAlocation>
```

7.4 Validation of Agency limit file:

After receiving the file from External System Portal, validations as mentioned below will be applied

S.No	ErrorCode	ErrorDescription
1.	CLA0001	Duplicate Batch ID
2.	CLA0002	Invalid Batch Format. It should be PNNNNDDMMYYYYXXXX (Total 17 characters. P is fixed for payment file. NNNN refers to the 4 digit Source System Id allotted by PFMS, DDMMYYYY represent the date and XXXX represent running serial no)
3.	CLA0003	Scheme Code does not exist in PFMS
4.	CLA0004	Mandatory fields value missing
5.	CLA0005	Duplicate Message ID
6.	CLA0006	Message Id is not as per defined format Source +EATLIMREQ + DDMMYYYY + Seq. No
7.	CLA0007	Initiating Party Code should be PFMS Agency Code
8.	CLA0008	Child agency code should be PFMS agency code
9.	CLA0009	Wrong Data Type/Data Length/Data Type Format
10.	CLA0010	Invalid Date Time Format. It should be YYYY-MM-DDTHH:MM:SS
11.	CLA0011	Duplicate EndToEndId Not allowed in the file
12.	CLA0012	Duplicate EndToEndID is not allowed for already processed transactions
13.	CLA0013	Expenditure amount should be less than or equal to limit amount
14.	CLA0014	Message ID should be same as File name without extension
15.	CLA0015	Invalid Financial Year
16.	CLA0016	Invalid Source System Id. Source Id does not exist in PFMS

S.No	ErrorCode	ErrorDescription
17.	CLA0017	Limit allocation Id should be less than 35 characters
18.	CLA0018	Date of allocation can not be after the message datetime
19.	CLA0019	Parent agency limit allocation is not done
20.	CLA0020	Account type should be either SNA or ZBA
21.	CLA0021	This scheme is not configured for SNA
22.	CLA0022	Intial Limit cannot be negative
23.	CLA0023	Parent agency has not mapped this agency
24.	CLA0024	Limit allocation of agency cannot be done more than one time in same file.
25.	CLA0025	Control Sum should be more than Zero
26.	CLA0026	Record Count Should be more than Zero
27.	CLA0027	Number of Record Counts does not match with the total number of Child agency
28.	CLA0028	Control sum should be equal to sum of Total limit.
29.	CLA0029	Child Limit should be less than or equal to limit amount

7.5 Field List for Agency Limit Allocation File Acknowledgement

In case the file is successfully accepted by PFMS, then PFMS will share only header/ group level information giving file level status as accepted and no record Level description will be shared. In case, file is rejected then PFMS will give the 'RJCT' in the header section and provide the detail of individual rejected records along with the reason of rejection

Following is the list of fields which are to be included in the XML file for Limit Allocation Acknowledgement XML File.

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
1	Unique Message Id	LimitAlocationAck /CstmrCdtTrfInitn Ack/GrpHdr/MsgId	Y	Varchar(25)	This should be same as the file name without extension of file name. Format should be <Source System Id given by PFMS>EATLIMACKDDMMYY YYNN N format. NN should start 1 with for a particular day and can go up to anyvalue i.e. 0021EATLIMACK0504201813
2	Message Date Time	LimitAlocationAck /CstmrCdtTrfInitn Ack/GrpHdr/CreDtTm	Y	Datetime	It is date and time when the message is generated in source system.
3	Data Source	LimitAlocationAck /CstmrCdtTrfInitnAck/ GrpHdr/Src	Y	Char(5)	Since this file is always sent byPFMS the value for this attribute will always contain "PFMS".
4	Destination	LimitAlocationAck /CstmrCdtTrfInitn Ack / GrpHdr/Dest	Y	Char(5)	As allotted by PFMS
5	Group Status / File Level Status	LimitAlocationAck /CstmrCdtTrfInitnAck /GrpHdr /OrgnlGrpInfAndSts / GrpSts	Y	Varchar(4)	File Level Status ACCP = Accepted RJCT = Rejected
6	Original Message Id	LimitAlocationAck /CstmrCdtTrfInitn Ack/GrpHdr /OrgnlGrpInfAndSts/Orgnl MsgId	Y	Varchar(25)	Original Message Id received inLimit allocation Request file
7	Batch ID	LimitAlocationAck /CstmrCdtTrfInitn Ack/GrpHdr /OrgnlGrpInfAndSts/PmtInfld	Y	Varchar(17)	As received from the External System Portal in the Payment file

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
8	Batch Date	LimitAlocationAck /CstmrCdtTrflnItn Ack/GrpHdr /OrgnlGrpInfAndSts/ PmtInfDt	Y	Date	YYYY-MM-DD format Batch Date
8	Group Error Code	LimitAlocationAck /CstmrCdtTrflnItn Ack/GrpHdr /OrgnlGrpInfAndSts/ GrpstsRsnInf/Rsn/Cd	Y when Grpsts is RJCT	Varchar(10)	Error Code if the entire file is rejected due to File format error or File level Validation failure. In case of this issue, beneficiary details will not be provided in the response file Rsn/Cd tag will be repeated for multiple errors under GrpstsRsnInf tag.
9	Group Error Description	LimitAlocationAck /CstmrCdtTrflnItn Ack/GrpHdr /OrgnlGrpInfAndSts/ GrpstsRsnInf/Rsn/AddtlInf	Y when Rsn/Cd is available	Varchar(50)	Error Description Rsn/AddtlInf tag will be repeated for multiple errors under GrpstsRsnInf tag.
Below is Repetitive Information for each Child Agency which are part of above mentioned batch					
10	Limit allocation ID	LimitAlocationAck /CstmrCdtTrflnItn Ack/OrgnlPmtInfAn dSts/TxlnfAndSts/PmtId/Or gnlEndToEndId	Y	Varchar(35)	Unique Id given by External System Portal
11	Scheme Code	LimitAlocationAck /CstmrCdtTrflnItn Ack/OrgnlPmtInfAn dSts/TxlnfAndSts/ OrgId/ SchmeCd	Y	Varchar(50)	Scheme code as allotted by PFMS. Master to be taken from PFMS
12	Child Agency unique code	LimitAlocationAck /CstmrCdtTrflnItn Ack/OrgnlPmtInfAn dSts/TxlnfAndSts/ OrgId/ Cd	Y	Varchar(50)	Agency Code of Child agency whose limit is allocating.

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
13	Status	LimitAlocationAck /CstmrCdtTrflnItnAck/OrgnlPmtlnfAndSts/TxlnfAndSts/TxSts	Y	Varchar(4)	Record Level StatusACCP = Accepted RJCT = Rejected
14	Rejection Reason Code	LimitAlocationAck /CstmrCdtTrflnItnAck/OrgnlPmtlnfAndSts/TxlnfAndSts/StsRsnInf/Rsn	Y when TxSts is RJCT	Varchar(10)	This tage will be repeted in case of error if Record Level Status='RJCT'.
15	Rejection Reason Narration	LimitAlocationAck/CstmrCdtTrflnItnAck/OrgnlPmtlnfAndSts/TxlnfAndSts/StsRsnInf/AdtlInf	Y when Rsn/Cd is available	Varchar(100)	Reject/Failure Reason Narration

7.6 XML File Structure:

Below is the proposed format of the XML file sent to PFMS for Limit Allocation File

```

<?xml version="1.0"?>
<LimitAlocationAck xmlns="http://pfms.nic.in/LimitAlocationAck">
<CstmrCdtTrflnItnAck>
<GrpHdr>
    <MsgId>0021EATLIMACK0504201813</MsgId>
    <CreDtTm>2018-08-08T14:07:00</CreDtTm>
    <Src>PFMS</Src>
    <Dest>0021</Dest>
    <OrgnlGrpInfnfAndSts>
    <GrpSts>RJCT</GrpSts>
    <OrgnlMsgId>0021EATLIMREQ0504201813</OrgnlMsgId>

    <PmtlnfId>P00120809201845</PmtlnfId>
    <PmtlnfDt>2018-08-08</PmtlnfDt>

    <GrpStsRsnInf>
        <Rsn>
            <Cd></Cd>
        </Rsn>
    </GrpStsRsnInf>
</GrpHdr>
</CstmrCdtTrflnItnAck>
</LimitAlocationAck>
```

```

        <AddtlInf></AddtlInf>
    </Rsn>
</GrpStsRsnInf>
</OrgnlGrpInfAndSts>
</GrpHdr>

<OrgnlPmtInfAndSts>
<TxInfAndSts>
    <PmtId>
        <OrgnlEndToEndId>OriginalEndToEndId</OrgnlEndToEndId>
    </PmtId>
    <OrgId>
        <SchmeCd>9156</SchmeCd>
        <Cd>2563</Cd>
    </OrgId>
    <TxSts>RJCT</TxSts>
    <StsRsnInf>
        <Rsn>R05</Rsn>
        <AddtlInf>Narration</AddtlInf>
    </StsRsnInf>
</TxInfAndSts>
</OrgnlPmtInfAndSts>
</CstmrCdtTrfInitnAck>
</LimitAlocationAck>

```

8 Advance Settlement Request File

Using the following messaging protocol the external system can settle advance payment given to the vendor.

8.1 File naming convention

Name of the files will be used as per Unique Message Id (`GrpHdr/MsgId`) format so the unique file name can be exchanged with PFMS.

8.2 SFTP Server Folder Details

The table below summarizes the SFTP Folder details:

Data	Source	FTP Folder Location	Destination	Polling Interval
EAT Advance Settlement Request	External System portal	[PFMS\<Source System Id>\AdvanceSettlementData\ToPFMS]	PFMS	As and when new Advance Settlement Request is initiated

EAT Advance Settlement	PFMS	[PFMS\<Source System Id>\AdvanceSettlementData\FromPFMS\]	External System Portal	For every EAT Advance SettlementRequest
------------------------	------	---	------------------------	---

8.3 Field List for EAT Advance Settlement File Request.

Following is the list of fields which are to be included in the XML file for EAT fields:

S.No .	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					
1	Unique Message Id	CstmrCdtTrfInitn / GrpHdr/MsgId	Y	Varchar(25)	This should be same as the file name without extension of file name. Format should be <Source System Id given by PFMS>ADVSTLREQDD MMYYYYNN format. N should start 1 with for a particular day and can go up to any value. i.e. 0021ADVSTLREQ0504 201813
2	Source System ID	CstmrCdtTrfInitn / GrpHdr/Src	Y	Char(5)	This is static code issued by PFMS for each application. Also called Data Source ID alternatively

3	Initiating Party	CstmrCdtTrfInitn / GrpHdr /InitgPty/PrTry/Id	Y	Varchar(50)	Agency Code. Details to be taken from PFMS
4	Batch ID	CstmrCdtTrfInitn/ GrpHdr/ PmtInf/ SrcSystmldntfr /PmtInfld	Y	Char(17)	Format: PNNNNDDMMYYYYXX XX (Total 17 characters. P is fixed for payment file. NNNN refers to the 4 digit Source System Id allotted by PFMS, DDMMYYYY represent the date and XXXX represent running serial no. Batch ID should be unique throughout lifecycle of integration And It should start with 1 for a particular day.
5	Batch Date	CstmrCdtTrfInitn/ GrpHdr/ PmtInf/ SrcSystmldntfr /PmtInflDt	Y	Date	YYYY-MM-DD format Batch Date
6	External System Payment file Identifier	CstmrCdtTrfInitn/ GrpHdr/PmtInf /SrcSystmldntfr/OrdrNo	N	Varchar(50)	External System Payment batch ID for advance which is to be settled. This field should be mapped with the External System Payment file Identifier field received in the EAT Payment request.

7	Scheme Code	CstmrCdtTrfInitn/ GrpHdr/PmtInf/OrgId SchmeCd	Y	Varchar(25)	Scheme code as allotted by PFMS. Details to be taken from PFMS
8	Authority Code	CstmrCdtTrfInitn / GrpHdr/PmtInf/ OrgId/Cd	Y	Varchar(50)	Agency code whose bank account is to be debited.
9	Bank Account No.	CstmrCdtTrfInitn / GrpHdr/ PmtInf/OrgId / Id/ Othr/BBAN	Y	Varchar(35)	For Debit. Details to be taken from PFMS
10	IFSC Code	CstmrCdtTrfInitn / GrpHdr/ PmtInf/OrgId / FinInstnId/ BrnchId	Y	Varchar(11)	IFSC Code (11 digits) For Debit. Details to be taken from PFMS
11	Source System Transaction No.	CstmrCdtTrfInitn/ CdtTrfTxInf/ OrgnlEndToEndId	Y	Varchar(35)	As generated in the source system It should be unique across all transactions throughout the life of integration
Below is Repetitive Information for each Payee					
12	Payee Code	CstmrCdtTrfInitn/ CdtTrfTxInf/ Cdtr/Cd	Y	Varchar(20)	Unique Payee Code
13	Payee Name	CstmrCdtTrfInitn/ CdtTrfTxInf/ Cdtr/Nm	Y	Varchar(100)	Account Holder/ Payee Name
14	Settlement Type - Return/Expenditure	CstmrCdtTrfInitn/ CdtTrfTxInf/ Cdtr /SmTp	Y	char	It can be 'R' for Return and 'E' for Expenditure
15	Payment Mode	CstmrCdtTrfInitn / CdtTrfTxInf/ Cdtr /PmtMd	Y for Return	Int	1 for Cheque, 2 for DD, 3 for NEFT/RTGS, 4 for ECS/NACH.

					Details to be taken from PFMS
16	Instrument Date	CstmrCdtTrfInitn / CdtTrfTxInf/Cdtr/PmtId/CreDt Tm	Y for Return	Date	Applicable for Payment Mode DD and Cheque only. YYYY-MM-DD format Instrument Date
17	Instrument Number	CstmrCdtTrfInitn / CdtTrfTxInf/Cdtr/PmtId/InstrId	Y for Return	Varchar(20)	Cheque No./DD No./RTGS No Etc.
18	Bank Account Number	CstmrCdtTrfInitn / CdtTrfTxInf/ Cdtr/CdtrAcct/Id/Othr/ BBAN	N (Applicable in case of RTGS)	Varchar(50)	Creditor Account number Applicable in case of RTGS
19	IFSC Code	CstmrCdtTrfInitn / CdtTrfTxInf/ Cdtr/CdtrAgt/FinInstlId / BrnchId	N (Applicable in case of RTGS)	Varchar(20)	IFSC Code Applicable in case of RTGS
20	Payable At	CstmrCdtTrfInitn / CdtTrfTxInf/ Cdtr/ CdtrAgt/PybleAt	N (Applicable in case of DD)	Varchar(50)	Payable Location Applicable in case of DD
21	Settlement Amount	CstmrCdtTrfInitn / CdtTrfTxInf/ Cdtr/ PmtTxDtls / Amt	Y	Money	Amount
22	Transaction Status	CstmrCdtTrfInitn/ CdtTrfTxInf/Cdtr/PmtTxDtls/	Y	Int	Status of Transaction. Provide values as

		TxSts			mentioned below Approved-1
23	Financial Year	CstmrCdtTrfInitn/ CdtTrfTxInf /Cdtr/PmtTxDtIs/FinYr	Y	Int	YYYY format financial year. For eg., for FY 2017-2018, 2018 will be considered
24	Remarks for Approver	CstmrCdtTrfInitn/ CdtTrfTxInf/ Cdtr/PmtTxDtIs/RmtInf/RltdInf /Rem	N	Nvarchar(500)	If any
25	Voucher Date	CstmrCdtTrfInitn / CdtTrfTxInf / Cdtr/PymntHd/Dt	Y for Expenditure	Date	It should be YYYY-MM-DD format
Below is Repetitive Information for each component					
26	Expense Type(Revenue/Capital)	CstmrCdtTrfInitn CdtTrfTxInf / Cdtr/ PymntCmpt /ExpTp	Y for Expenditure	Char(1)	Allowed Values are 'R' or 'C'
27	Scheme Component ID	CstmrCdtTrfInitn/ CdtTrfTxInf/Cdtr/ PymntCmpt/Id	Y for Expenditure	Varchar (100)	As per PFMS Master
28	Component Amount	CstmrCdtTrfInitn/ CdtTrfTxInf/ Cdtr/ PymntCmpt /Amt	Y for Expenditure	Money	

8.4 XML file structure

Below is the proposed format of the XML file sent to PFMS for Advance Settlement (Return)

```
<EATAdvanceSettlement xmlns="http://cpsms.nic.in/EATAdvanceSettlement">
  <CstmrCdtTrfInitn>
    <GrpHdr>
      <MsgId>0021ADVSTLREQ0504201813</MsgId>
      <Src>0021</Src>
      <InitgPty>
        <PrTry>
          <Id>9156</Id>
```

```

        </PrTry>
    </InitgPty>
    <PmtInf>
        <SrcSystmIdntfr>
            <PmtInfId>P00210908201856</PmtInfId>
            <PmtInfDt>2018-08-09</PmtInfDt>
            <OrdrNo>12</OrdrNo>
        </SrcSystmIdntfr>
        <OrgId>
            <SchmeCd>9156</SchmeCd>
            <Cd>2483</Cd>
            <Id>
                <Othr>
                    <BBAN>30001216371411</BBAN>
                    <FinInstnId>
                        <BrnchId>12345678912</BrnchId>
                    </FinInstnId>
                </Othr>
            </Id>
        </OrgId>
    </PmtInf>
</GrpHdr>
<CdtTrfTxInf>
    <OrgnlEndToEndId>12345</OrgnlEndToEndId>
    <Cdtr>
        <Cd></Cd>
        <Nm></Nm>
        <SmTp>R</SmTp>
        <PmtMd>1</PmtMd>
        <PmtId>
            <CreDtTm>2019-04-09</CreDtTm>
            <InstrId></InstrId>
        </PmtId>
    <PmtTxDtls>
        <Amt></Amt>
        <TxSts></TxSts>
        <FinYr>2018</FinYr>
        <RmtInf>
            <RltdInf>
                <Rem></Rem>
            </RltdInf>
        </RmtInf>
    </PmtTxDtls>
    <PymntHd/>
    <PymntCmpt/>
</Cdtr>
</CdtTrfTxInf>
</CstmrCdtTrfInitn>
</EATAdvanceSettlement>

```

8.5 Validation of EAT Advance Settlement File Data by PFMS

Below validations will be applied on the request file.

S.No.	Error Code	Error Description
1	CAE0001	Duplicate Batch ID
2	CAE0002	Invalid Batch Format. It should be PNNNNDDMMYYYYXXXX (Total 17 characters. P is fixed for payment file. NNNN refers to the 4 digit Source System Id allotted by PFMS, DDMMYYYY represent the date and XXXX represent running serial no
3	CAE0003	Scheme Code does not exist in PFMS
4	CAE0004	Mandatory fields value missing
5	CAE0005	External System Payment Identifier should be mapped with the EAT Payment Request. If it does not map with the EAT Payment Request, then it is invalid.
6	CAE0006	Invalid Payee Code
7	CAE0007	Duplicate Message ID
8	CAE0008	Initiating Party Code should be PFMS Agency Code
9	CAE0009	Invalid Authority Code
10	CAE0010	Amount should be more than zero
11	CAE0011	Message Id not as per defined format source + ADVSTLREQ + DDMMYY+Seq No.
12	CAE0012	Invalid Bank/Post Office Branch
13	CAE0013	Wrong Data Type/Data Length/Data Type Format
14	CAE0014	Invalid Settlement Type. It can be 'R' or 'E'
15	CAE0015	Account number is marked as Invalid in PFMS.
16	CAE0016	Favoring or Beneficiary name exceeds the defined limit. It should not be more

		than 100 words.
17	CAE0017	Invalid Payment Mode. Allowed values are 1,2,3,4,only
18	CAE0018	IFSCCode is invalid.
19	CAE0019	Date format invalid. It should be YYYY-MM-DD format
20	CAE0020	Invalid Scheme Component Id
21	CAE0021	Invalid Transaction status. It can only be 1.
22	CAE0022	Debit Account no. does not belong to Initiating party or Its status is not valid in PFMS
23	CAE0023	Error in reading file, File is malformed
24	CAE0024	Message ID should be same as File name without extension
25	CAE0025	Advance is already settled for this vendor or payee
26	CAE0026	Advance Settlement amount exceeds the balance advance amount for this vendor or payee.

After applying all the validations as mentioned in the above section, if all the records pass the validations then the file will be accepted for further processing otherwise file will be rejected and information will be sent back to the External System Portal.

8.6 EAT Advance Settlement File Acknowledgement:

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					
1.	Unique Message Id	EATAdvanceAck/ CstmrPmtAckRpt/	Y	Varchar(27)	This is a unique identifier for the message (file) for tracking and troubleshooting purpose. We can keep

		GrpHdr/MsgId			the MessageId in <Source System Id given by PFMS>ADSSTLACKDDMMYYYYNN Format, where <Source System Id given by PFMS> stand for four digits Source System Id which is given by PFMS. ADSSTLACK stands for AdvanceSettlementAcknowledgement, DD for day, MM for month, YYYY for year and N for a sequence number for a day and can go up to any value starting from 1.
2.	Message Date Time	CstmrPmtAckRpt/ GrpHdr/CreDtTm	Y	Datetime	It is date and time when the message is generated in source system.
3.	Data Source	CstmrCdtTrfInitn/ GrpHdr/Src	Y	Varchar(5)	Since this file is always sent by PFMS the value for this attribute will always contain "PFMS".
4.	Destination	CstmrCdtTrfInitn/ GrpHdr/Dest	Y	Varchar(5)	As allotted by PFMS
5.	Original Message Id	CstmrPmtAckRpt/ GrpHdr /OrgnlGrpInfAndSts/ OrgnlMsgId	Y	Varchar(25)	Original Message Id received in Request file
6.	Created date time of Original File	CstmrPmtAckRpt/ GrpHdr /OrgnlGrpInfAndSts/ OrgnlCreDtTm	Y	Datetime	Created date time of Original File
7.	Group Status /File Level	CstmrPmtAckRpt/ GrpHdr/ OrgnlGrpInfAndSts/	Y	Varchar(4)	File Level Status ACCP = Accepted

	Status	GrpSts			RJCT = Rejected
8.	Group Error Code	CstmrPmtAckRpt/ GrpHdr/ GrpStsRsnInf/ Rsn/Cd	N	Varchar(10)	Error Code if the entire file is rejected due to File format error or File level Validation failure. In case of this issue, beneficiary details will not be provided in the response file. Rsn/Cd tag will be repeated for multiple errors under GrpStsRsnInf tag.
9.	Group Error Description	CstmrPmtAckRpt/ GrpHdr/ GrpStsRsnInf/ Rsn/AddtlInf	N	Varchar(50)	Error Description Rsn/AddtlInf tag will be repeated for multiple errors under GrpStsRsnInf tag.
10.	Batch Id	CstmrPmtAckRpt/ OrgnlPmtInfAndSts/ OrgnlPmtInfd	Y	Varchar(16)	As received from the External system Portal in the payment file
Below is Repetitive Information for each Payee					
11.	Payee Code	CstmrPmtAckRpt/ OrgnlPmtInfAndSts/ TxInfAndSts/Cd	Y	Varchar(20)	Payee Code as received in the Advance Settlement Request file
12.	Record Level Status	CstmrPmtAckRpt/ OrgnlPmtInfAndSts/ TxInfAndSts/TxSts	Y	Varchar(4)	Record Level Status ACCP = Accepted RJCT = Rejected

13.	Reject/Failure Reason Code	CstmrPmtAckRpt/ OrgnlPmtInfAndSts/ TxInfAndSts/ StsRsnInf/Rsn/Cd	Y when TxSts is RJCT	Varchar(10)	This tag will be repeated in case of multiple errors.
14.	Reject/Failure Reason Narration	CstmrPmtAckRpt/ OrgnlPmtInfAndSts/ TxInfAndSts/ StsRsnInf/Rsn/ AddtlInf	Y when Rsn/Cd is available	Varchar(100)	Reject/Failure Reason Narration.

8.7 EAT Advance Settlement File Acknowledgement XML Structure

EAT Payment File Acknowledgement (From PFMS):

```

<EATAdvanceSettlementAck xmlns="http://cpsms.nic.in/AdvanceSettlement">
  <CstmrPmtAckRpt>
    <GrpHdr>
      <MsgId>Unique Message Identifier</MsgId>
      <CreDtTm>2012-06-29T15:49:00</CreDtTm>
      <Src>PFMS</Src> --Source System name / Sender
      <Dest>External System Id</Dest>
      <OrgnlGrpInfAndSts> -- Original Transaction Batch Reference
        <OrgnlMsgId>Original MessageId</OrgnlMsgId>
        <OrgnlCreDtTm>2012-06-28T14:25:00</OrgnlCreDtTm>
        <GrpSts>RJCT</GrpSts>
        <GrpStsRsnInf>
          <Rsn>
            <Cd />
            <AddtlInf />
          </Rsn>
        </GrpStsRsnInf>
      </OrgnlGrpInfAndSts>
    </GrpHdr>

    <OrgnlPmtInfAndSts>
      <OrgnlPmtInfId>Batch ID</OrgnlPmtInfId> -- Batch Reference Id
      <TxInfAndSts>
        <TxSts>RJCT</TxSts> ---Code for complete or partial accepted Or rejected
        <StsRsnInf>
          <Rsn><Cd>R05</Cd>
          <AddtlInf>Narration</AddtlInf>
        </Rsn>
      </StsRsnInf>
    </TxInfAndSts>
  </OrgnlPmtInfAndSts>
</CstmrPmtAckRpt>

```

```

</CstmrPmtAckRpt>
</EATAdvanceSettlementAck>

```

9 Reversal of Transaction in REAT

Using the following messaging protocol, external system can reverse the MIS information shared with PFMS through MIS protocol.

9.1 File Naming Convention

Name of the files will be used as per Unique Message Id (GrpHdr/MsgId) format so the unique file name can be exchanged with PFMS.

9.2 SFTP Server Folder details

The table below summarizes the SFTP Folder details:

Data	Source	FTP Folder Location	Destination	Polling Interval	Folder Permissions
Single Batch Reversal Request File	External System portal	[PFMS\<Source System Id>\Reversal\ToPFMS]	PFMS	As and when new Batch Reversal Request is initiated	PFMS to have Read, Write & Delete Access on Folder
Single Batch Reversal File Acknowledgement	PFMS	[PFMS\<Source System Id>\ Reversal\FromPFMS\]	External System Portal	For every Request File	PFMS to have Read and Write Access on Folder

9.3 Field List for Reversal of Batch

Following is the list of fields which are to be included in the XML file for Reversal of a Batch

S.No	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					
1	Unique Message Id	BatchReversal /CstmrCdtTrfInitn/ GrpHdr/MsgId	Y	Varchar(25)	This should be same as the file name without extension of file name. Format should be <Source System Id given by PFMS>REVPAYREQ

S.No	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
.					DDMMYYYYN format. N should start 1
2	Message Date Time	BatchReversal /CstmrCdtTrflnItn/ GrpHdr/CreDtTm	Y	Datetime	It is date and time when the message is generated in source system.
2	Source System ID	BatchReversal /CstmrCdtTrflnItn GrpHdr/Src /	Y	char(5)	This is static code issued by PFMS for each application. Also called Data Source ID alternatively
3	Destination	BatchReversal /CstmrCdtTrflnItn/ GrpHdr/Dest	Y	Varchar(5)	Value for this attribute will always contain "PFMS".
4	Initiating Party	BatchReversal /CstmrCdtTrflnItn/ GrpHdr /InitgPty/PrTry/Id	Y	varchar(50)	Agency code. Details to be taken from PFMS
5	Batch ID	BatchReversal /CstmrCdtTrflnItn/ GrpHdr /SrcSystmIdntfr /PmtInfld	Y	Varchar(17)	Format: PNNNNDDMMYY YXXXX (Total 17 characters. P is fixed for payment file. NNNN refers to the 4 digit Source System Id allotted by PFMS, DDMMYYYY

S.No	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
.					<p>represent the date and XXXX represent running serial no. By following this structure, Batch ID should be unique throughout the lifecycle of integration.</p> <p>And It should start with 1 for a particular day. E.g. P0021050420181</p>
6	Batch Date	BatchReversal /CstmrCdtTrfInitn/ /SrcSystmIdntfr/PmtlInfDt	Y	Date	YYYY-MM-DD format Batch Date
Repeated Fields					
7	ReversalBatch Id	BatchReversal /CstmrCdtTrfInitn/ CdtTrfTxInf/PmtlInf/RevPmt InflId	Y	Char(17)	Original Batch ID which need to be reversed
8	ReversalBatch date	BatchReversal /CstmrCdtTrfInitn/ CdtTrfTxInf/PmtlInf/RevPmt InflDt	Y	date	YYYY-MM-DD format Batch Date
9	Module	BatchReversal /CstmrCdtTrfInitn/ CdtTrfTxInf / PmtTxDtIs	Y	Int	1- Expenditure 2-Advance

S.No	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
.		/Module			3-Transfer 4-Interbank Transfer 5- Opening Balance 6- Interest Income 7-Income from Investment 8-Income from Other Sources
10	OgrinalAmount	BatchReversal/ CstmrCdtTrfInitn/ CdtTrfTxInf/ PymntOrgAmt	Y	Numeric(18,2)	This is the Original Batch ID Amount

9.4 XML File Structure

Below is the proposed format of the XML file sent to PFMS for Reversal of a Batch.

```

<BatchReversal xmlns="http://pfms.nic.in/BatchReversal">

  <CstmrCdtTrfInitn>

    <GrpHdr>

      <MsgId>0012REVERSREQ0908201812</MsgId>

```

```
<CreDtTm>2018-08-09</CreDtTm>

<Src>0012</Src>

<Dest>PFMS</Dest>

<InitgPty>

    <PrTry>

        <Id>4569</Id>

    </PrTry>

</InitgPty>

<SrcSystmIdntfr>

    <PmtInflId>P0046080920180001</PmtInflId>

    <PmtInflDt>2018-09-08</PmtInflDt>

</SrcSystemIdntfr>

</GrpHdr>

<CdtTrfTxInf>

    <PmtInfl>

        <RevPmtInflId>PNNNN090820185</RevPmtInflId>

        <RevPmtInflDt>2018-08-09</RevPmtInflDt>

    </PmtInfl>

    <PmtTxDtIs>

        <Module>6</Module>

    </PmtTxDtIs>

    <PymntOrgAmnt>2000</PymntOrgAmt>

</CdtTrfTxInf>
```

</CstmrCdtTrfInitn>

</BatchReversal>

9.5 Validation of Batch Reversal Request File

After receiving the file from External System Portal, Following additional validations will be applied on the file.

S.No.	Error Code	Error Description
1	CRV0001	To Date should be greater than From Date
2	CRV0002	Duplicate System Transaction no.
3	CRV0003	Module Type invalid, 1- Expenditure 2-Advance 3-Transfer 4-Interbank Transfer 5- Interest Income 6-Income from Investment 7-Income from Other Sources
7	CRV0004	Invalid Initiating party
8	CRV0005	Invalid Format for Date. It should be YYYY-MM-DD
9	CRV0006	Duplicate Unique message ID
11	CRV0007	Mandatory Fields Value are Missing
12	CRV0008	Original Amount cannot be negative or should be greater than zero
14	CRV0009	Invalid Reversal Batch Format. It should be PNNNNDDMMYYYYXXXX (Total 17)

		characters. P is fixed for payment file. NNNN refers to the 4 digit Source System Id allotted by PFMS, DDMMYY represent the date and XXXX represent running serial no
15	CRV0010	Original Batch ID does not exist in PFMS
16	CRV0011	Original Amount is not matching with corresponding original batch amount

9.6 Reversal of Single Batch file Acknowledgement.

PFMS will share the ACK for rejected as well as accepted files through the designated folders in the SFTP server

Following is the list of fields which are to be included in Payment file Acknowledgement XML file:

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					
1	Unique Message Id	BatchReversalAck /CstmrPmtAckRpt/ GrpHdr/MsgId	Y	Varchar(27)	This is a unique identifier for the message (file) for tracking and troubleshooting purpose. We can keep the MessageId in <Source System Id given by PFMS>REVPAYACKDDMMYYYY YNN format, where <Source System Id given by PFMS> stand for four digits Source System Id which is given by PFMS.IRIPAYACK stands for Interest Income payment acknowledgement, DD for day, MM for month, YYYY for year and N for a sequence number for a day and can go up to 999999 starting from 1. i.e. the message id can be 0046REVPAYACK050620181 for the first message

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
					generated on 5-Jun 18
2	Message Date Time	BatchReversalAck /CstmrPmtAckRpt/ GrpHdr/CreDtTm	Y	Datetime	It is date and time when the message is generated in source system.
3	Data Source	BatchReversalAck /CstmrPmtAckRpt/ GrpHdr/Src	Y	Varchar(5)	Since this file is always sent by PFMS the value for this attribute will always contain "PFMS".
4	Destination	BatchReversalAck /CstmrPmtAckRpt/ GrpHdr/Dest	Y	Varchar(5)	As allotted by PFMS
5	Original Message Id	BatchReversalAck /CstmrPmtAckRpt/ OrgnlGrpInfAndSts/ OrgnlMsgId	Y	Varchar(25)	Original Message Id received in Payment Request file
6	Created date time of Original File	BatchReversalAck /CstmrPmtAckRpt/ OrgnlGrpInfAndSts/ OrgnlCreDtTm	Y	Datetime	Created date time of Original File.
7	Batch Id	BatchReversalAck /CstmrPmtAckRpt/ OrgnlPmtInfAndSts/ OrgnlPmtInfld	Y	Varchar(16)	As received from the External System Portal in the Payment file.
8	Group Status /File Level Status	BatchReversalAck /CstmrPmtAckRpt/ OrgnlGrpInfAndSts/ GrpSts	Y	Varchar(4)	File Level Status ACCP = Accepted RJCT = Rejected

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Repeated fields					
9	Reject/Failure Reason Code	BatchReversalAck /CstmrPmtAckRpt/ OrgnlGrpInfAndSts / TxInfAndSts/ StsRsnInf/Rsn/ Cd	Y when TxSts is RJCT	Varchar(10)	This tag will be present in case of error if Group Status = 'RJCT'.
10	Reject/Failure Reason Narration	BatchReversalAck /CstmrPmtAckRpt/ OrgnlGrpInfAndSts / TxInfAndSts/ StsRsnInf/Rsn/ AddtlInfrsn	Y when Rsn/Cd is available	Varchar(100)	Reject/Failure Reason Narration.

9.7 Reversal of Single batch file Acknowledgement XML Structure.

Format mentioned below will be used for Ack of Batch Reversal transaction file

```

<?xml version="1.0"?>

<BatchReversalAck xmlns="http://pfms.nic.in/BatchReversalAck">

    <CstmrPmtAckRpt>

        <GrpHdr>

            <MsgId>0046REVPAYACK1812201811</MsgId>
            <CreDtTm>2018-12-20T11:14:15.547</CreDtTm>
            <Src>PFMS</Src>
            <Dest>0046</Dest>
        </GrpHdr>

        <OrgnlGrpInfAndSts>

            <OrgnlMsgId>0046REVPAYREQ181220181</OrgnlMsgId>

```

```
<OrgnlCreDtTm>2018-12-18T18:04:04.690</OrgnlCreDtTm>

<OrgnlPmtInfld>PNNNN090820185</OrgnlPmtInfld>

<GrpSts>RJCT</GrpSts>

<TxInfAndSts>

    <StsRsnInflf>

        <Rsn>

            <Cd>CRV0002</Cd>

            <AddtlInflf>Duplicate System Transaction no</AddtlInflf>

        </Rsn>

        <Rsn>

            <Cd>CRV0004</Cd>

            <AddtlInflf>Invalid Initiating party party.</AddtlInflf>

        </Rsn>

        <Rsn>

            <Cd>CRV0006</Cd>

            <AddtlInflf>Duplicate Unique message ID</AddtlInflf>

        </Rsn>

        <Rsn>

            <Cd>CRV0007</Cd>

            <AddtlInflf>Mandatory Fields Value are Missing</AddtlInflf>

        </Rsn>

        <Rsn>

            <Cd>CRV0008</Cd>


```

<AddtlInf>Original Amount cannot be negative or should be greater
than zero</AddtlInf>

</Rsn>

</StsRsnInf>

</TxInfAndSts>

</OrgnlGrpInfAndSts>

</CstmrPmtAckRpt>

</BatchReversalAck>