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Design Document

Integration of PFMS with State/Scheme DBT Portal

For DBT Payment to Beneficiaries

Prepared for

Controller General of Accounts, Ministry of Finance

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Version 2.5

Revision and Signoff Sheet

Change Record

Date	Author	Version	Change reference
28-May-13	Naveen Mehndiratta	1.0 (Draft)	Draft document.
29-May-13	Uttam Patil	1.0 (Draft)	Document changed to add XML File Structures and definitions.
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Reviewers

Name	Version Approved	Position	Date
Alok Verma	1.0	DyCGA	30-May-2013
Major C S Kaushik	1.0	Consultant (IT & Banking), World Bank	30-May-2013
Mrs. Medha Dalvi	1.0	Senior Technical Director, NIC	30-May-2013
Mrs Gandhimathy	1.7	Technical Director, NIC	30-Sep-2017
Naveen Mehandiratta	1.7	Project Manager	30-Sep-2017
Mrs Gandhimathy	18	Sr. Technical Director, NIC	30-Jan-2018
Naveen Mehandiratta	1.8	Project Manager	30-Jan-2018
Naveen Mehandiratta	1.9	Project Manager	12-Apr-2018
Naveen Mehandiratta	1.93	Project Manager	29-May-2019
Naveen Mehandiratta	1.94	Project Manager	11-Jul-2019
Mr. Ved Prakash Lal	1.99	Sr. Technical Project Manager, CIPL	15-Jul-2021
Mr. Rajendra Prasad	2.0	Sr. Technical Director – NIC, PFMS	19-Aug-2021
Naveen Mehandiratta	2.1	Sr Technical Project Manager	02-Sep-2021
Mr. Faiz Ali Khan	2.2	Scientist B	19-Nov-2021
Mr. Faiz Ali Khan	2.4	Scientist B	12-Apr-2022
Mr. Faiz Ali Khan	2.5	Scientist B	12-Apr-2022

Approvers

Name	Version Approved	Position	Date
Mr. Dipankar Sengupta	2.0	DDG NIC, PFMS	19-Aug-2021
Mr. Rajendra Prasad	2.2	SrTD, NIC, PFMS	22-Nov-2021
Mr. Eddie L. khawlhring	2.2	Jt.CGA, PFMS	25-Nov-2021
Mrs Dharitri Panda	2.5	Addl.CGA, PFMS	04-May-2022

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1 Introduction

For successful integration of DBT with the External System ('External System 'refers to 'STATE/SCHEME DBT Portal '),following is the list of processes that needs to be followed

- **Beneficiary Registration Process**

In this process, STATE/SCHEME DBT Portal will share the Beneficiary Registration file with PFMS over SFTP. PFMS will apply basic validations on beneficiary records. After completing successful validations, PFMS will assign beneficiary code to the validated beneficiaries and will send back the response file to the STATE/SCHEME DBT Portal.

This process is discussed in detail in this document.

- **Payment Process**

In this process, Payment Information File (in XML format) will be sent to PFMS by STATE/SCHEME DBT Portal through SFTP. PFMS will apply basic validations on all the payment records. Acknowledgement will be sent back to the STATE/SCHEME DBT Portal for all the records that passes the validations or reason of rejection, if there is issue with any records. Entire Payment file is accepted /rejected by PFMS depending upon file the validation status

Depending upon mode of payment, Checker user will authorize the payment files. User will digitally sign the payment files for authorization purpose. In case of any error or inaccuracy in the payment files, the Authorizer can reject the entire payment file (batch) by citing the appropriate reason from the drop down list of reasons for rejection.

Once approved and digitally signed by the Authorizer, PFMS will send the digitally signed payment file to the corresponding sponsor bank of Ministry/Department / State Department / Implementing Agency for further processing. In case the payment is released directly by Ministry to the Beneficiaries, File will flow into the login of Program Division in Ministry for further processing in PFMS.

PFMS will send payment status back to STATE/SCHEME DBT Portal after receiving the same from sponsor bank. This process is discussed in detail in this document.

- **Reconciliation Process**

This process aims to provide measures and procedures to efficiently and accurately reconcile files that are exchanged between the two systems (PFMS and External System) for beneficiary registration and payment purposes. The process will eliminate gap between the files that are supposed to be received by a system and the files that are actually received.

This process is elaborated in detail in the Reconciliation document "**PFMS External Systems Reconciliation V 3.1.9**"

2 Overview/Guidelines of Integration Process for External system integrator

Following are the pre- requisite and guidelines for integration of DBT Module of PFMS with External System.

Prerequisite to implement DBT

1. The scheme for which DBT is to be implemented is created/ available – In case Scheme is not available External System (ES) will initial the process of on boarding the scheme on PFMS portal with close

coordination with PFMS domain team. In case of linked state scheme all the state has to onboard the scheme for respective state with the help of PFMS SPMU.

- a. Presently there are Central scheme, Central Sector Scheme, Lined state scheme types of scheme available in PFMS portal.
2. Beneficiary type is/are created/available (Manage SubCategory) – Identifying the payee type such as student, windows, old age pensioner etc., and incorporated them in the system. If beneficiary type/vendor type is already available in the system, no need to create it again.
 - a. There can be more than one Beneficiary type for one scheme.
3. Hierarchy is created/ available- In case of CSS Scheme type, ensure that scheme hierarchy is proposed to be maintained uniformly for all state or not.
4. Payment Purpose are created/ available and mapped (Manage Activity) - In this step the 'Purpose' of payment (e.g. Pension, Scholarship, fellowship, incentive, etc.) is to be identified and created. If purpose of payment is already available in the system, no need to create it again.
5. Scheme Component is/are created/available - A component is an activity of the scheme for which funds are given to the agency(s)/Beneficiaries.
 - a. For each component in which expenditure is to be booked, PFMS will assign one payment purpose id, therefore external system may provide scheme related expenditure components in excel file without any linkage to major/minor heads.
 - b. These components will be mapped with scheme in PFMS portal.
6. Agency to make payment is registered and mapped with the scheme hierarchy– Implementing agency of different level have active and mapped bank account with respect to said scheme.
7. Same agency cannot be registered more than once for scheme.
8. Implementing agencies make payment to their payee using their own account or payment is made from parent bank account or central account.
9. Agencies making payment having Valid DSC.
10. Mapping Beneficiary Type and Purpose of payment (Manage Activity SubCategory) - In this step the Beneficiary Type and Purpose of payment is being mapped.
11. Mapping Beneficiary Type and Purpose of payment with component (Manage Component Mapping)- In this step the Beneficiary Type and Purpose of payment is being mapped with the component under which DBT payments are to be made.
12. Payment Parameter Setting: Setting Payment Parameter is the last step in DBT configuration of a scheme. There are three option i.e. Implementing Agency, Programme Division, Treasury Officer. If the DBT payments are to be made from the bank account of the Implementing Agency, then the first option is to be selected. If the payment is to be made through Program Division of the Ministry concerned or from the treasury, then the option of Program Division or treasury is to be selected respectively.
13. DBT Configuration to be Done for the Scheme in PFMS

NOTE: - All above activates required to be carried out in PFMS Portal only.

14. External system or PFMS, based on mutual understanding, will provide SFTP server for files sharing. 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.

Process Flow

System based integration will be used for sharing of XML files between PFMS and External System for the following:

1. DSC Enrollment- External System will place Agencies DSC signed file for enrollment, multiple agencies can use same DSC if the authorization authority lies with same person.
2. Beneficiary- External System will place Beneficiary list on the SFTP server in the XML format. This file can contain information for addition /updation /deletion of Beneficiary. Each external system will freshly enroll

- Beneficiary in PFMS using integration protocol even if the beneficiaries were already registered by the agency directly in PFMS.
3. Payment file (FTO) - External system will generate FTP, Payment file, as per integrated document shared by PFMS.

- a. Concerned authorities will digitally sign the FTO in external system before pushing the file in SFTP server. DSC will be verified by PFMS based on DSC enrollment details shared by External System at the time of DSC enrollment. PFMS will also check the consistency/alteration of payment file.
- b. PFMS will share ACK/NACK with external system through SFTP. 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.
- c. External System can send more than one FTO and each FTO should be consistent for agency unique code, scheme code, beneficiary type. All the beneficiaries in one payment file should correspond to payment from one agency only.
- d. If the FTO is found in order then the FTO will be pushed to bank for execution of transaction and credit/debit response of success and failure will be provided to external system in due course of time.

Other Important points for consideration

1. PFMS will apply basic validation on the received file/data and records which pass the internal PFMS validation will be sent to respective bank for account validation, if Aadhaar no. is provided, Aadhaar seeding will be verified by NPCI.
2. PFMS will generate unique code for all beneficiaries and same will be shared with external system.
3. There are around 200 plus bank integrated with PFMS for account validation and including around 30 banks are integrated for DSC payment processing. List can be taken from PFMS.
4. External System to take masters as mentioned above or mentioned in Integration document from PFMS.

MIS for Integrator

System Integrator can view the status of file shared with PFMS through SFTP server using the EP12 report available in PFMS

1. DSC enrollment Status
2. Beneficiary/ vendor file status
3. Payment file Status.

Technical team of Integrator can register in PFMS from home page and should the request for approval of user to PFMS. Once approved, they can access the available reports to view the status of all files exchanged between their system and PFMS.

3 Process for Integration and Payment Processing

Following is the broad list of steps which needs to be followed by the PFMS and STATE/SCHEME DBT Portal to make Beneficiary payments through PFMS.

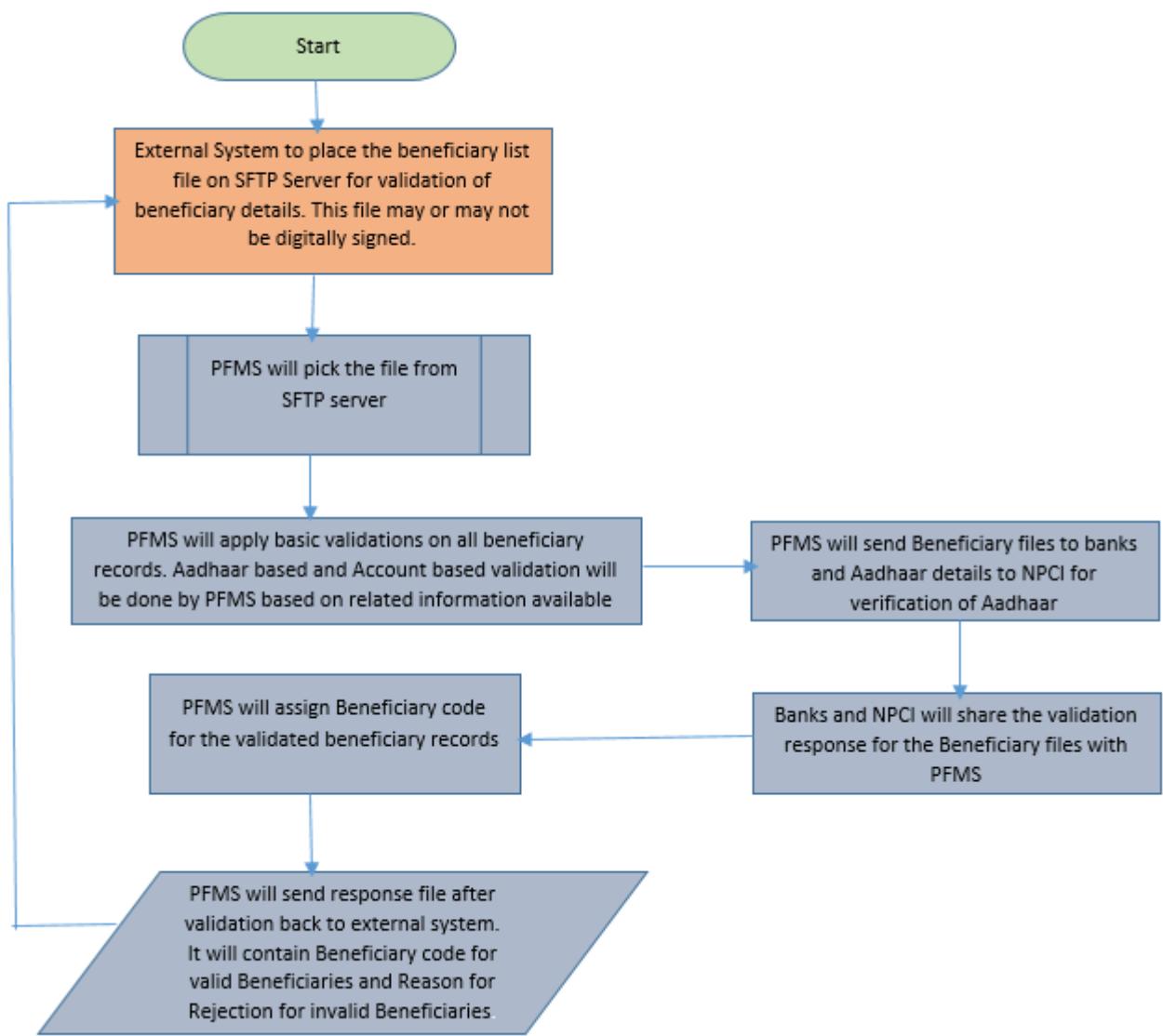
- A. Submission of Beneficiary List to PFMS by STATE/SCHEME DBT Portal
- B. Validation of Beneficiary List by PFMS. Bank/Post Office Account validation for Beneficiary's accounts will be done if specifically asked by STATE/SCHEME DBT Portal.

- C. Validated File will be sent back by PFMS to STATE/SCHEME DBT Portal. Validated File will contain PFMS Beneficiary code for those beneficiaries' whose details are valid otherwise it will contain reason for rejection Beneficiary wise. STATE/SCHEME DBT Portal to resend the Beneficiary file containing only those beneficiaries which were returned as rejected. Since some banks may take time in providing the bank account validation status to PFMS, so PFMS will send the account validation status to STATE/SCHEME DBT Portal in multiple responses. So for one Beneficiary registration message sent by STATE/SCHEME DBT Portal, PFMS may send the multiple responses for the same with incremental Beneficiary status.
- D. Submission of digitally signed or unsigned Payment Information File for Valid Beneficiaries by STATE/SCHEME DBT Portal to PFMS.
- E. Validation of Payment Information File by PFMS
- F. Return payment information File to STATE/SCHEME DBT Portal if there is any validation/verification fails at file level or record level.
- G. If the payment file gets accepted at PFMS, then payment authority needs to authorize the payment file in PFMS if it was sent to PFMS without Digital signature.
- H. PFMS will send the digitally payment file to Bank for execution of payment file.
- I. Payment Status (Success/Failure) Information as received by PFMS from Sponsor Bank of state will be sent back to STATE/SCHEME DBT Portal

4 Beneficiary Registration /Sharing:

4.1 Beneficiary Data Submission Process Flow:

In the Flow Chart 'External System' refers to 'STATE/SCHEME DBT Portal'



Note: This process is applicable for External Systems that need PFMS to validate Beneficiary Bank Account and/or Aadhaar Seeding with Bank.

For MIS cases, information shared by external system will be treated as correct. PFMS will not share the beneficiary Code with external System.

4.2 Submission of Beneficiary List to PFMS by STATE/SCHEME DBT Portal:

STATE/SCHEME DBT Portal will place Beneficiary list on the SFTP server in the XML format. This list may or may not be digitally signed. **Please note beneficiary request file can contain max of 50,000 records for optimal performance**

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
Beneficiary Registration Request	STATE/SCHE ME DBT Portal	[CPSMS\<Source System Id>\BeneficiaryData\ ToCPSMS]	CPSMS	As and when new Beneficiary is registered at STATE/SCHE ME DBT Portal.	PFMS to have Read, Write & Delete Access on Folder
Beneficiary Registration Response	PFMS	[CPSMS\<Source System Id>\BeneficiaryData \FromCPSMS\]	STATE/SCHE ME DBT Portal	For every Beneficiary Registration Request	PFMS to have Read and Write Access on Folder
Beneficiary File Acknowledgment	PFMS	[CPSMS\<Source System Id>\BeneficiaryData\FromCPMSACK NACK]	STATE/SCHE ME DBT Portal	When beneficiary file receives from external system	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. The path mentioned in the SFTP folder location column is relative to the root folder created for Beneficiary data on Source System's Secure FTP server or PFMS Secure FTP server. The time specified in the polling interval should be configurable as it may be changed anytime later depending upon the requirements and volume of transactions.

4.2.3 Field List

Following is the list of fields which are to be included in this 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	CstmrDtIs/ 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>DBTBENREQDDMMYYYY format, where <Source System Id given by PFMS> stand for four digit Source System Id which is given by PFMS,DBTBENREQ stands for Beneficiary 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 0002DBTBENREQ0506201311 for the first message generated on 5-Jun or 0002DBTBENREQ29052013109 for the 109th message generated on 29-May.</p>
2	Message Date Time	CstmrDtIs/ GrpHdr/CreDtTm	Y	Datetime	<p>It is data and time when the message is generated in source system.</p>
3	Records Count	CstmrDtIs/ GrpHdr/NbOfTx s	Y	Int	<p>This attribute will contain the number of beneficiaries included in the file. It will always be more than zero.</p> <p>Count of CstmrTxInf tag</p>
4	Data Source	CstmrDtIs/ GrpHdr/Src	Y	Varchar (5)	<p>Source System Id allotted by PFMS to STATE/SCHEME DBT Portal</p> <p>e.g. Value for OSMS MCM is '0009'</p>
5	Destination	CstmrDtIs/ GrpHdr/Dest	Y	Varchar (5)	<p>Since this file is always sent to PFMS the value for this attribute will always contain "CPSMS".</p>
6	Initiating Party Name	CstmrDtIs/ GrpHdr/ InitgPty/Nm	Y	Varchar (200)	<p>Owner Agency of Data i.e. State level Agency</p>
7	Initiating Party Code	CstmrDtIs/ GrpHdr/ InitgPty/Prtr y/Id	Y	Varchar (100)	<p>Data Owner Agency Unique Code i.e. for State level Agency inPFMS.</p>
8	Batch ID	CstmrDtIs/ CstmrInf/ CstmrInfId	Y	Varchar (16)	<p>Format: CB<Source System Id given by PFMS>DDMMYYXXXX (Total 16 characters). CB is fixed. <Source</p>

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
					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.
9	Batch Date	CstmrDtls/ CstmrInf/ CstmrInfDt	Y	Date	YYYY-MM-DD format Batch Date
Below is Repetitive Information for each Beneficiary					
10	Agency ID	CstmrDtls/ CstmrInf/ CstmrTxInf/ OrgId/Cd	Y	Varchar (100)	Owner Agency of Data i.e. State level Agency
11	Agency Name	CstmrDtls/ CstmrInf/ CstmrTxInf/ OrgId/Nm	N	Varchar (200)	Data Owner Agency Unique Code i.e. for State level Agency inPFMS.
12	Scheme Code	CstmrDtls/ CstmrInf/ CstmrTxInf/ OrgId/SchmeCd	Y	Varchar (25)	Scheme code needs to be taken from PFMS before starting data exchange
13	Purpose	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/Purp/Cd	Y	Char(1)	Purpose of Beneficiary Record A=Add U=Update D=Delete Please refer to Section for more details
14	Scheme Specific ID	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/Prtry/I d	Y	Varchar (100)	e.g. unique Beneficiary id as existing in STATE/SCHEME DBT PORTAL
15	PFMSBeneficiary Code	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/CPSMSId	Mandatory when Purpose is U or D	Varchar (50)	PFMSBeneficiary Code provided in response file.
16	Beneficiary type	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/Tp	Y	Varchar (10)	Beneficiary Type needs to be taken from PFMS before starting data exchange
17	Beneficiary Title	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/Titl	N	Varchar (10)	Beneficiary Title. Eg. Mr, Mrs, Ms, Dr, etc....
18	Beneficiary Name	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/Nm	Y	Varchar (100)	In English Language only
19	Beneficiary Name in	CstmrDtls/	N	NVarch	Beneficiary Name in

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
	Regional/Local Language	CstmrInf/ CstmrTxInf/ Cstmr/NmRegLang		ar(200)	Regional/Local Language to be provided
20	Address Line 1	Cstmr/PstlAdr/ AdrLine1	Y	Varchar (150)	Beneficiary Address Line 1
21	Address Line 2	Cstmr/PstlAdr/ AdrLine2	N	Varchar (50)	Beneficiary Address Line 2
22	Address Line 3	Cstmr/PstlAdr/ AdrLine3	N	Varchar (50)	Beneficiary Address Line 3
23	Village Code	PstlAdr/ Prtry/LctnCd	N	varchar (12)	Village Code – As per PFMS Master
24	Town Code	PstlAdr/Prtry/ TwnCd	N	varchar (12)	Town Code- As per PFMS Master
25	Block Code	PstlAdr/ Prtry/BlokCd	N	varchar (12)	Block Code - As per PFMS Master
26	Tehsil Code	PstlAdr/ Prtry/SubDvsnCd	N	varchar (12)	Tehsil Code - As per PFMS Master
27	District LGD Code	PstlAdr/ Prtry/DstCd	Y	varchar (5)	District LGD Code - As per PFMS Master
28	State LGD Code	PstlAdr/Prtry/ PrvcCd	Y	varchar (3)	State LGD Code- As per PFMS Master
29	Country	PstlAdr/ Prtry/CtryCd	N	varchar (3)	Specify '91' for India
30	Pin Code	Cstmr/PstlAdr/ PstCd	N	Number (6)	Beneficiary Address Pine Code
31	Gender	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/Gendr	Y	Char(1)	Allowed values are M, F, or T. 'N' can be used if Gender is not applicable or not available
32	Date of Birth	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/BirthDt	N	Date (YYYY-MM-DD)	Date of birth should fulfill the scheme criteria
33	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
34	Father/Mother/Husband Name	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/ReltnNm	N	Varchar (100)	Father/Mother/Husband Name in English Language
35	Father/Mother/Husband Name in Regional Language	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/ReltnNmRegLang	N	NVarchar (200)	Father/Mother/Husband Name in Regional/Local Language
36	Category	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/Ctg	Y	Varchar (20)	Category of Beneficiary like Sc, ST etc. Possible values would be shared. Value provided will be validated against the master

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
37	Religion	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/Rlg	N	Varchar (20)	Religion of Beneficiary. Possible values would be shared. It is optional tag and if value is provided, it will be validated against the master
38	Year Of Passing	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/YrOfPs	N	Varchar (4)	Passing year of Beneficiary. It is optional tag and if value is provided, It should be four digit Year and year can't be future value. It is applicable only for Scholarship Schemes only. Not applicable for STATE/SCHEME DBT
39	Phone Number	CtctDtls/PhneNb	N	Varchar (10)	If exist, then must be 10 digits, without country code and without zero as prefix.
40	Mobile number	CtctDtls/MobNb	N	Varchar (10)	If exists, then must be 10 digits
41	E-mail	CtctDtls/EmailAdr	N	Varchar (200)	If exists, some basic validations should be there
42	Bank Name	CstmrAcct/CstmrAgt/FinInstnId/ BICFI	Yes if Aadhaar No. is not provided	Varchar (100)	Bank Small or Full Name can be given here. Master will be shared by PFMS
43	Branch Id	CstmrAcct/CstmrAgt/FinInstnId/BrnchId	Yes if Aadhaar No. is not provided	Varchar (11)	IFSC Code (11 digits)
44	Bank Account number	CstmrAcct/AcctId/Othr/BBAN	Yes if Aadhaar Number is not provided	Varchar (35)	Beneficiary Bank/Post Office Account Number
45	Aadhaar Number	CstmrAcct/AcctId/Othr/SOSE	Yes if Bank Account details are not provided	Varchar (12)	Must be 12-digit code. In case of MIS only, Aadhaar Number is NOT required to be shared. However, external system must share the Account Number (serial No. 44), and the IFSCCODE (serial No. 43) in which the amount was credited when payment was made by External System to this beneficiary through Aadhaar Mode.

Table 1

Note: For Field List 'Purpose' Tagname "CstmrDtls/CstmrInf/ CstmrTxInf/Cstmr/Purp/Cd"

If the Beneficiary is already registered with PFMS and already assigned a unique Beneficiary code by the PFMS system, then for the below mentioned requests, External system have to send the field list '**Purpose**' as '**A**' without specifying already registered Beneficiary code. It will be considered as a new Addition request.

- a) Addition of Scheme
- b) Change in Agency details
- c) Change in Beneficiary Type

For the above request, if Beneficiary name, Account number and Aadhaar number details are found to be same in the new Addition request, then PFMS will not generate the new Beneficiary code and will return the same Beneficiary code to the External System.

4.2.4 XML File Structure

Below is the proposed format of the XML file sent to PFMS by STATE/SCHEME DBT Portal

```
<DbtBeneficiaries xmlns="http://cpsms.nic.in/BeneficiaryDataRequest">
<CstmrDtls>
<GrpHdr>
<MsgId>Unique Message Identifier</MsgId>
<CreDtTm>2013-02-13T14:07:00</CreDtTm>
<NbOfTxs>3</NbOfTxs>
<Src>State Scheme Source System Code</Src>
<Dest>CPSMS</Dest>
<InitgPty>
<Nm>State Scheme Agency</Nm>
<Prtry>
<Id>Reference Key of agency / PFMS Unique Code</Id>
</Prtry>
</InitgPty>
</GrpHdr>
<CstmrInf>
<CstmrInfId>Batch Number</CstmrInfId>
<CstmrInfDt>2013-02-13</CstmrInfDt>
<CstmrTxInf>
<OrgId>
<Cd>Implementing Agency Code</Cd>
<Nm>Implementing Agency name</Nm>
<SchmeCd>Scheme Code</SchmeCd>
</OrgId>
<Cstmr>
<Purp>
<Cd>A=Add/U=Update/D=Delete</Cd>
</Purp>
<Prtry>
<Id>Scheme Specific Beneficiary ID</Id>
</Prtry>
<CPSMSId>Beneficiary Code in PFMS</CPSMSId>
<Tp>Beneficiary Type</Tp>
<Titl>Beneficiary Title</Titl>
<Nm>Beneficiary Name</Nm>
<NmRegLang>Beneficiary Name in Regional Language</NmRegLang>
<PstlAdr>
<AdrLine1 />
<AdrLine2 />
<AdrLine3 />
<Prtry>
<LctnCd>Village Code</LctnCd>
<TwnCd>Town Code</TwnCd>
<BlokCd>Block Code</BlokCd>
```

```

<SubDvsnCd>Tehsil/Sub Division Code</SubDvsnCd>
<DstCd>District Code</DstCd>
<PrvcCd>State Code</PrvcCd>
<CtryCd>Country Code</CtryCd>
</Prtry>
<PstCd>Postal/Pin Code</PstCd>
</PstlAdr>
<Gendr>Gender</Gendr>
<BirthDt>Date of Birth</BirthDt>
<ReltnCd>Father/Mother/Husband Flag</ReltnCd>
<ReltnNm>Father/Mother/Husband Name</ReltnNm>
<Ctg>Category of Beneficiary</Ctg>
<Rlg>Religion of Beneficiary</Rlg>
<YrOfPs>Passing year of Beneficiary</YrOfPs>
<CtctDtls>
<PhneNb>1234567890</PhneNb>
<MobNb>9876543210</MobNb>
<EmailAdr>mera@123.PFMS.in</EmailAdr>
</CtctDtls>
<CstmrAcct>
<CstmrAgt>
<FinInstnId>
<BICFI>Customer Bank/Post Office (Small Name/Full Name)</BICFI>
<BrnchId>Branch Code (IFSC Code/MICR Code/IIN Number/Branch Code)</BrnchId>
</FinInstnId>
</CstmrAgt>
<AcctId>
<Othr>
<BBAN>Bank Account Number</BBAN>
<SOSE>Aadhaar Number</SOSE>
</Othr>
</AcctId>
</CstmrAcct>
</Cstmr>
</CstmrTxInf>
</CstmrInf>
</CstmrDtls>
</DbtBeneficiaries>

```

If the Beneficiary account is in Post Office, please mention *India Post* in the Bank Name. Each Post office branch/Sub post office/Head Post office has been assigned unique code of 11 characters and will appear against IFSC Code. List of unique codes for the Post offices can be taken by the STATE/SCHEME DBT Portal as one-time activity from PFMS team.

Since the Beneficiary master in most cases is already available with systems, it is expected to be only one-time activity. Initially other masters like Bank Master, Locations etc can be shared in any other format also.

4.2.5 Validation of Beneficiary List received from STATE/SCHEME DBT Portal

PFMS internal validations will be applied on each record of Beneficiary received in the file. PFMS will send the only those Beneficiary records to the respective Banks/Post offices for validation of Beneficiary Accounts which pass the PFMS internal validation checks. PFMS will also verify the Aadhaar Seeding in NPCI if the Beneficiary record otherwise pass the PFMS internal validations.

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

S.No.	ErrorCode	ErrorDescription
1	CBE0001	Mandatory Tags values are missing.
2	CBE0002	Scheme Code does not exist in PFMS
3	CBE0003	Beneficiary Type does not exist in PFMS or does not belongs to the provided Scheme
4	CBE0004	Same Scheme Specific ID already exists in PFMS for same Scheme and Beneficiary Type.
5	CBE0005	Duplicate Batch ID/Message ID not allowed.
6	CBE0006	AADHAAR Number should be of 12 digits and must pass the algorithm provided by UIDAI.
7	CBE0007	AADHAAR Number already exists for same Beneficiary Type and Scheme.
8	CBE0008	Duplicate Beneficiary Name, Bank Account No and Bank Name not allowed for same scheme
9	CBE0009	Rejected by Bank, as per Bank Account Number is Invalid.
10	CBE0010	Bank Name is not as per PFMS Bank Master.
11	CBE0011	Invalid Gender Value, It Should be F/M/T/N.
12	CBE0012	One of AADHAAR Number or Bank Account details are mandatory
13	CBE0015	Invalid Address Census Code/ LGD Code, It should be as PFMS Master.
14	CBE0016	Date of birth should be in correct date a less than System Date.
15	CBE0017	Mobile number/Phone Number should be of 10 digits only.
16	CBE0018	Invalid Batch Format, It should be as CB{Source System Id}DDMMYY{4 digit Sequence}.
17	CBE0019	Institution ID should be the unique Agency Code of PFMS agency with which the Beneficiary is associated.
18	CBE0020	Both Town and Village code have been provided which are mutually exclusive.
19	CBE0021	Initiating Party Code should be the unique agency code of PFMS agency
20	CBE0022	Invalid value for Purpose, It should be A/U/D.
21	CBE0023	Invalid PFMS Beneficiary Code
22	CBE0024	Invalid Value for F/M/H/N flag.
23	CBE0025	Invalid IFSCCode.
24	CBE0026	Invalid Country Id.
25	CBE0027	Wrong Data Type/Length Format.
26	CBE0028	Postal Code should be numeric value
27	CBE0029	Error in reading file, File is malformed or Failed during schema validation.
28	CBE0030	Rejected by Bank, Account No does not exist in Bank
29	CBE0031	Scheme code is not uniform for all records
30	CBE0032	Rejected by Bank, Account status is closed.
31	CBE0033	Duplicate Aadhar Number Found In The File
32	CBE0034	Duplicate Beneficiary Details [BeneficiaryAccountNo, BeneficiaryBICFI, BeneficiaryName, BeneficiaryType, SchemeCode, BeneficiaryBranchId] Found in The File
33	CBE0035	Blocked Account
34	CBE0036	One or more mandatory tags values are missing.
35	CBE0037	Beneficiary Category not in PFMS

S.No.	ErrorCode	ErrorDescription
36	CBE0038	Duplicate Beneficiary Details [BeneficiaryAccountNo, BeneficiaryBICFI, BeneficiaryName, BeneficiaryType, SchemeCode, BeneficiaryBranchId, ApplicantNo] Found in The File
37	CBE0039	Invalid Location Code, It should be as NREGA Location Code Master
38	CBE0040	Beneficiary Job card No. + Applicant no. combination already exists in PFMS.
39	CBE0041	Applicant No. is NULL.
40	CBE0042	For IAY(0019)- AgencyName tag should have value Block or District
41	CBE0043	For IAY(0019)- AgencyCode tag have value BlockID which is not in PFMS
42	CBE0044	For IAY(0019)- AgencyCode tag have value DistrictID which is not in PFMS
43	CBE0045	Aadhaar Number is not seeded in NPCI
44	CBE0046	Beneficiary Code does not exist in PFMS for this data source.
45	CBE0047	IFSC Code not present in tblBankBranch
46	CBE0048	Beneficiary Name Len is greater than 100
47	CBE0049	Only one beneficiary type is allowed in a file.
48	CBE0050	Invalid Account, Validation Pending Since Last 6 Month from Bank
49	CBE0051	Bank Name and IFSC Code are not related to each other
50	CBE0052	UID And Account Both Are Invalid
51	CBE0053	Bank Not Responded.
52	CBE0054	Rejected due to no response received from banks within specified days
53	CBE0055	UID is Invalid and account is Rejected due to no response received from bank within specified days
54	CPE0046	UID is Invalid and account is closed.
55	CPE0047	UID is Invalid and account is blocked.
56	CPE0048	UID is Invalid and account is inactive.
57	CPW0001	Beneficiary Created based on UID, but account is Invalid.
58	CPW0002	Beneficiary Created based on UID, but account is Closed.
59	CPW0003	Beneficiary Created based on UID, but account is Blocked.
60	CPW0004	Beneficiary Created based on account, but UID is Invalid.
61	CPW0005	Beneficiary Created based on UID, as PFMS did not receive any response from bank
62	CPW0006	Beneficiary Created based on UID, but IFSCCODE not match with bank
63	CPW0007	UID is disabled for DBT and beneficiary has been created based on account
64	CPW0008	UID never enabled for DBT and beneficiary has been created based on account
65	CPW0009	UID is cancelled by UIDAI and beneficiary has been created based on account
66	CBE0056	Beneficiary bank account not allowed in this bank
67	CBE0057	Beneficiary Registration is rejected as Beneficiary Account Type is not in 'SB', 'SBA' or 'JD' as received from bank. Note: This error code is valid for PM Kisan only
68	CBE0058	Beneficiary state is not same as Agency state.
69	CBE0059	Bank currently inactive & merged with another bank.
70	CBE0060	UID is Disable for DBT
71	CBE0061	UID NEVER ENABLE FOR DBT

S.No.	ErrorCode	ErrorDescription
72	CBE0062	UID is CANCELLED BY UIDAI
73	CBE0063	UID is Disable for DBT and account is closed.
74	CBE0064	UID NEVER ENABLE FOR DBT and account is closed.
75	CBE0065	UID is CANCELLED BY UIDAI and account is closed.
76	CBE0066	UID is Disable for DBT and account is blocked.
77	CBE0067	UID NEVER ENABLE FOR DBT and account is blocked.
78	CBE0068	UID is CANCELLED BY UIDAI and account is blocked.
79	CBE0069	UID is Disable for DBT and account is inactive.
80	CBE0070	UID NEVER ENABLE FOR DBT and account is inactive.
81	CBE0071	UID is CANCELLED BY UIDAI and account is inactive.
82	CBE0072	UID is Disable for DBT and account is invalid.
83	CBE0073	UID NEVER ENABLE FOR DBT and account is invalid.
84	CBE0074	UID is CANCELLED BY UIDAI and account is invalid.
85	CBE0075	UID is Disable for DBT and account is Rejected due to no response received from bank within specified days
86	CBE0076	UID NEVER ENABLE FOR DBT and account is Rejected due to no response received from bank within specified days
87	CBE0077	UID is CANCELLED BY UIDAI and account is Rejected due to no response received from bank within specified days
88	CBW0063	NO RESPONSE from concerned bank within specified days therefore PFMS has Created Beneficiary ID based on information provided by External System.

Table 2

Validations with error codes starting with ‘CPW...’ are warnings and Beneficiary details will be accepted and Beneficiary will be registered in PFMS. For such cases, only the valid attribute out of Aadhaar or Bank account details should be sent in the payment files.

4.2.6 Beneficiary File Acknowledgement

NOTE: THIS IS OPTIONAL

Once beneficiary file is received by the PFMS, Acknowledgement (Ack/Nack) will be sent to external system.

If the external system does not receive acknowledgement of beneficiary file within 48 hours, external system will re-push the same beneficiary file again after 48 hours assuming the beneficiary file sent by External system has not been received by PFMS.

Following is the list of fields which needs to be sent in Beneficiary Acknowledgement XML file:

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					
1	Unique Message Id	DbtBenRequestACK/CstmrDtIs/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>DBTBENSTSACKDDMMYYYY format, where <Source System Id given by PFMS> stand for four digits Source System Id which is given by PFMS, DBTBENSTSACK stands for DBT Payment status Acknowledgement, DD for day, MM for month, YYYY for year and N for a sequence number for a day
2	Message Date Time	CstmrDtIs/GrpHdr/CreDtTm	Y	Datetime	It is date and time when the message is generated in source system.
3	Data Source	CstmrDtIs/ GrpHdr /Src	Y	Varchar(5)	Since this file is always sent from PFMS the value for this attribute will always contain "PFMS".
4	Destination	CstmrDtIs/ GrpHdr/Dest	Y	Varchar(5)	Source System Id as allotted by PFMS.
5	Initiating Party Name	CstmrDtIs/ GrpHdr/ OrglInitgPty/Nm	Y	Varchar(200)	Owner Agency of Data (As received in Beneficiary request file)
6	Initiating Party Code	CstmrDtIs/ GrpHdr/ OrglInitgPty /Prtry/Id	Y	Varchar(100)	Data Owner Agency Unique Code in PFMS. State Level Agency Code (As received in Beneficiary request file)
7	Original Message Id	CstmrDtIs/ OrgnlGrplnFAndsts/ OrgnlMsgId	Y	Varchar(25)	Original Message Id received in Beneficiary file by the PFMS
8	Number of Records in Original File	CstmrDtIs/ OrgnlGrplnFAndsts/ OrgnlNbOfRcd	Y	Int	Number of records in Original File

9	Actual number of records	CstmrDtIs/ OrgnlGrpInfAndSts/ ActualNbOfRcd	Y	Number (18,2)	Number of actual records received
10	Batch Id	CstmrDtIs/ OrgnlGrpInfAndSts/Batch No	Y	Varchar(16)	As received by External system in beneficiary file
11	Batch creation date time	CstmrDtIs/ OrgnlGrpInfAndSts/BatchCreDtTm	Y	Datetime	It is date and time when the message is generated
12	Batch received date and time	CstmrDtIs/ OrgnlGrpInfAndSts/RcvdDtTm	Y	Datetime	It is date and time when the message is received in external system.
13	Group Status /File Level Status	CstmrDtIs/ OrgnlGrpInfAndSts/GrpSts	Y	Varchar(4)	File Level Status 'RCVD' = Beneficiary file Received

4.2.7 XML File Structure

NOTE: THIS IS OPTIONAL

Below is mentioned the proposed format for acknowledgment of beneficiary file received from external system. Following is sample Acknowledgement file format:

```

<DbtBenRequestACK xmlns="http://PFMS.nic.in/BeneficiaryRequestACK">
<CstmrDtIs>
<GrpHdr>
<MsgId>Unique Message Identifier</MsgId>
<CreDtTm>2020-10-11T16:30:06.280</CreDtTm>
<Src>PFMS</Src>
<Dest>External System Code</Dest>
<OrglInitgPty>
<Nm>PFMSSTATELEVELAGENCY</Nm>
<Prtry>
<Id>Reference Source System key</Id>
</Prtry>
</OrglInitgPty>
</GrpHdr>
<OrgnlGrpInfAndSts>
<OrgnlMsgId>Unique Message Identifier</OrgnlMsgId>
<OrgnlNbOfRcd>20</OrgnlNbOfRcd>
<ActualNbOfRcd>20</ActualNbOfRcd>
<BatchNo>Batch Number</BatchNo>
<BatchCreDtTm>2020-10-01</BatchCreDtTm>
<RcvdDtTm>2020-10-01T15:56:27</RcvdDtTm>
<GrpSts>RCVD</GrpSts>
<GrpStsRsnInf>
<Rsn/>
</GrpStsRsnInf>

```

```

</OrgnlGrpInfAndSts>
</CstmrDtls>
</DbtBenRequestACK>

```

4.3 Validated File will be sent back by PFMS to STATE/SCHEME DBT Portal:

PFMS will send back the complete Beneficiary list for a batch id with status of each record (valid/invalid with reason) to STATE/SCHEME DBT 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 Beneficiary records which either fail PFMS internal validations or for which the status has been received within the threshold value and similarly next response for the same Beneficiary file will be sent after the 2nd threshold is reached and this will be continued till PFMS has sent the response for all the beneficiaries received in a batch. Response file will contain the following fields. The flow of message will be governed by flow explained earlier e.g. Suppose PFMS received a Beneficiary file from STATE/SCHEME DBT Portal containing 1000 Beneficiary records with Batch ID X1 and 100 Beneficiary records fail the PFMS internal validations. Suppose the threshold limit reaches when the PFMS has received from bank account validation status only for 500 records then first response file from PFMS will contain 600 Beneficiary records along with validation status. Further suppose the PFMS has received the validation status for 300 more beneficiaries from the banks when the threshold limit reaches again then 2nd response file from PFMS for the batch id X1 will contain 300 records and PFMS will continue to send the responses with the same batch id with incremental beneficiaries till the response has been sent for all the beneficiaries to the STATE/SCHEME DBT Portal.

In case of MIS integration, PFMS will not do any account validation with banks therefore bank account information will not be available.

4.3.1 Field List

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

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					
1.	Unique Message Id	CstmrDtls/ 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>DBTBENRESDDMMYY YYNN format, where <Source System Id given by PFMS> stand for four digit Source System Id which is given by PFMS,DBTBENRES stands for Beneficiaryresponse, 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 0002DBTBENRES050620131 for the first message generated on 5-Jun or

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
					0002DBTBENRES290520131 09 for the 109 th message generated on 29-May.
2.	Message Date Time	CstmrCdtTrfInitn/ GrpHdr/CreDtTm	Y	Datetime	It is date and time when the message is generated in source system.
3.	Records Count	CstmrCdtTrfInitn/ GrpHdr/NbOfTxns	Y	Int	This attribute will contain the number of Beneficiary payments included in the file. It will always be more than zero. Count of CdtTrfTxInf 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.	Initiating Party Name	GrpHdr/ OrglInitgPty /Nm	Y	Varchar(200)	Owner Agency of Data (As received in Beneficiary request file)
7.	Initiating Party Code	GrpHdr/ OrglInitgPty /Prtry/Id	Y	Varchar(100)	Data Owner Agency Unique Code in PFMS. State Level Agency Code (As received in Beneficiary request file)
8.	Batch ID	CstmrDtls/ CstmrInf/ CstmrInfId	Y	Varchar(16)	It is the same batch ID against which the 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 Beneficiary list was received.
Below is Repetitive Information for each Beneficiary					
10.	Agency ID	CstmrDtls/ CstmrInf/ CstmrTxInf/ OrgId/Cd	Y	Varchar(100)	Agency ID (unique agency code of PFMS agency) with which the Beneficiary is associated.
11.	Agency Name	CstmrDtls/ CstmrInf/ CstmrTxInf/ OrgId/Nm	N	Varchar(200)	Agency of which Beneficiary belongs e.g. college of student

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
12.	Scheme Code	CstmrDtls/ CstmrInf/ CstmrTxInf/ OrgId/SchmeCd	Y	Varchar(25)	Scheme code needs to be taken from PFMS before starting data exchange
13.	Purpose	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/Purp/Cd	Y	Char(1)	Purpose of Beneficiary Record A=Add U=Update D=Delete
14.	Scheme Specific ID	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/Prtry/Id	Y	Varchar(100)	e.g. Contractor ID as per STATE/SCHEME DBT
15.	PFMSBeneficiary Code	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/CPSMSId	Mandatory when record is successfully accepted .	Varchar (50)	PFMSBeneficiary Code
16.	Beneficiary type	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/Tp	Y	Varchar(10)	Beneficiary Type (As received in Beneficiary request file)
17.	Beneficiary Status	CstmrDtls/ CstmrInf/ CstmrTxInf/ Cstmr/CstmrSts	Y	Varchar(4)	ACCP = Accepted RJCT = Rejected AWAT= Accepted with Account Transfer. Bank Account Number at S.No. 22 will contain Old Account 'I' New Account no.
18.	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.
19.	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.
Below Fields will be populated only if STATE/SCHEME DBT Portal wants PFMS to validate the bank account from bank and the concerned Bank is integrated with PFMS.					
Below Fields details will be populated purely based on data as received from bank while account validation process.					
Below Section may get repeated for a single Beneficiary also if the bank account is a joint account as bank will return the details of all joint account holders.					
For below mandatory columns is applicable only if account is validated from bank, otherwise all columns are optional.					
In case of MIS integration, PFMS will not do any account validation with banks therefore below information will not be available.					

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
20.	Bank/Post Office Name	Cstmr/ CstmrAcct/ CstmrAgt/ FinInstnId/ BICFI	Y	Varchar(100)	Customer Bank/Post Office (Small Name/Full Name)
21.	Bank/Post Office Branch	Cstmr/ CstmrAcct/ CstmrAgt/ FinInstnId/ BrnchId	Y	Varchar(11)	IFSC Code as returned by the bank during bank account validation process
22.	Bank Account Number	Cstmr/ CstmrAcct/ AcctId/Othr/ BBAN	Y	Varchar(70)	Bank Account Number In case BeneficiaryStatus= 'AWAT' then BBAN = Old Account 'I' New Account no Else BBAN = Account no
23.	Bank Account Type	Cstmr/ CstmrAcct/ AcctId/Othr/ AccTyp	N	Varchar(35)	Bank Account Type like SB, CA etc. Master will be shared by PFMS (As received from bank) Note: For PM Kisan, Account type can be 'SB', 'SBA' or 'JD' only.
24.	Beneficiary Title	Cstmr/ CstmrAcct/ CstmrAcctFmly/ Titl	N	Varchar (10)	Beneficiary Title. Eg. Mr, Mrs, Ms, Dr, etc.... (As received from bank)
25.	Beneficiary Name	Cstmr/ CstmrAcct/ CstmrAcctFmly/N m	Y	Varchar(100)	Beneficiary Name (As received from bank)

Table 3

For the fields, for which it is mentioned in the remark column as received from bank, data values and tags will be populated in the XML file only if the bank is integrated with PFMS.

File being sent back will contain the details of all beneficiaries which were received in one file. After applying the internal validations, PFMS Beneficiary code will be provided for the Beneficiary records which pass the internal validations and the Beneficiary records which fail the validations, error codes will be provided. In case Beneficiary bank/post office account also needs to be validated, then PFMS Beneficiary code will be assigned for Beneficiary record only if bank/post office return the status as 'Valid' for the Beneficiary account.

In case Beneficiary account number is accepted in the Beneficiary bank/post office with account transfer, i.e. the beneficiary will be assigned a new account number from Beneficiary bank/post office in place of the old one, then the file being sent back will contain the old and new bank account number of the beneficiary. User has to use the new account number from then onwards for all type of transactions i.e. they should send only new account no. in the payment files.

Note:

In case there is no response from the concerned bank within 3 days, PFMS will create beneficiary 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 beneficiary.

4.3.2 XML File Structure

FromPFMS (Response):

```

<DbtBeneficiaries xmlns="http://cpsms.nic.in/BeneficiaryDataResponse">
  <CstmrDtls>
    <GrpHdr>
      <MsgId>Unique Message Identifier</MsgId>
      <CreDtTm>2013-02-13T14:07:00</CreDtTm>
      <NbOfTxn>3</NbOfTxn>
      <Src>CPSMS</Src>
      <Dest>State Scheme Source System Code</Dest>
      <OrglInitgPty>
        <Nm>State Scheme Agency</Nm>
        <Prtry>
          <Id>Reference Key of agency / PFMS Unique Code</Id>
        </Prtry>
        <GrpStsRsnInf>
          <Rsn>
            <Cd />
            <AddtlInf />
          </Rsn>
        </GrpStsRsnInf>
      </OrglInitgPty>
    </GrpHdr>
    <CstmrInf>
      <CstmrInfId>Batch Number</CstmrInfId>
      <CstmrInfDt>2013-02-13</CstmrInfDt>
      <CstmrTxnInf>
        <OrgId>
          <Cd>Payment/Beneficiary Originating Institution Code</Cd>
          <Nm>Payment/Beneficiary Originating Institution name</Nm>
          <SchmeCd>Scheme Code</SchmeCd>
        </OrgId>
        <Cstmr>
          <Purp>
            <Cd>A=Add/U=Update/D=Delete</Cd>
          </Purp>
          <Prtry>
            <Id>Scheme Specific Beneficiary Id</Id>
          </Prtry>
          <CPSMSId>Beneficiary Code in PFMS</CPSMSId>
          <Tp>Beneficiary Type</Tp>
        <CstmrSts>RJCT/ACPT/AWAT</CstmrSts>
        <StsRsnInf>
          <Rsn>
            <Cd>R05</Cd>
            <AddtlInf>Narration</AddtlInf>
          </Rsn>
        </StsRsnInf>
        <CstmrAcct>
        <CstmrAgt>
          <FinInstnId>
            <BICFI>Customer Bank/Post Office (Small Name/Full Name)</BICFI>
            <BrnchId>Branch Code (IFSC Code/MICR Code/IIN Number/Branch Code)</BrnchId>
          </FinInstnId>
        
```

```

</CstmrAgt>
<AcctId>
<Othr>
<BBAN>Bank Account Number</BBAN>
<AccTyp>SB</AccTyp>
</Othr>
</AcctId>
<CstmrAcctFmly>
<Titl>Beneficiary Title</Titl>
<Nm>Beneficiary Name</Nm>
</CstmrAcctFmly>
</CstmrAcct>
</Cstmr>
</CstmrTxInf>
</CstmrInfo>
</CstmrDtls>
</DbtBeneficiaries>

```

4.3.3 Beneficiary Status File Acknowledgement

NOTE: THIS IS OPTIONAL

For every beneficiary status file sent by PFMS to external system, External system need to share the acknowledgement (ACCP/RJCT/PACP) for the same. This file will be plain xml file without digital signature.

In case the entire beneficiary status file has been rejected by external system by giving RJCT, External system need to mention 'RJCT' in the header section and PFMS will try to re-push the same file again in the SFTP and however if the file with same name could not be pushed again, PFMS will provide the beneficiary status file of such cases in the new response file with new file name.

In case, the beneficiary status file could be partially accepted by external system then external system needs to give the 'PACP' in the header section and needs to provide the individual records in the detail section along with the reason of rejection. In this case, only rejected records needs to be provided in the detail section and records which have been successfully consumed by External system, should not be provided. PFMS will share the status of rejected cases again in the new beneficiary status file.

In case the complete beneficiary status file has been successfully accepted by the external system, Then External system need to share the ACCP with only header level information giving file level status as accepted.

In case of no acknowledgement is received from external system within 48 hours, PFMS will re push the same response file again after 48 hours assuming the response file sent by PFMS has not been received by external system.

Following is the list of fields will be sent in Beneficiary Status Acknowledgement XML file:

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					
1	Unique Message Id	DbtBenStatusAck/ CstmrPmtAckRpt/ GrpHdr/MsgId	Y	Varchar(30)	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 style="color: red;">PFMS>DBTBENSTSACKDDMMYY</p> <p>YYN format, where <Source System Id given by PFMS> stand for four digits Source System Id which is given by PFMS,DBTBENSTSACK stands for DBT Beneficiary status Acknowledgement, DD for day, MM for month, YYYY for year and N for a sequence number for a day</p>
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	Y	Int	This attribute will contain the number of Beneficiary Beneficiaries included in the file. It will always be more than zero. Count of TxlnfAndsts tag
4	Data Source	CstmrCdtTrfInitn/ GrpHdr/Src	Y	Varchar(5)	Source System Id as allotted by PFMS.
5	Destination	CstmrCdtTrfInitn/ GrpHdr/Dest	Y	Varchar(5)	Since this file is always sent to PFMS the value for this attribute will always contain "PFMS".
6	Original Message Id	CstmrPmtAckRpt/ OrgnlGrpInfAndsts/ OrgnlMsgId	Y	Varchar(30)	Original Message Id received in Beneficiary Status file
7	Batch Id	CstmrPmtAckRpt/ OrgnlGrpInfAndsts/ OrgnlPmtInflId	Y	Varchar(16)	As received from STATE/SCHEME DBT Portal in the Beneficiary file
8	Number of Records in Original File	CstmrPmtAckRpt/ OrgnlGrpInfAndsts/ OrgnlNbOfTxns	Y	Int	Number of Records in Original File
9	Number of Records in Original FileGroup Status /File Level Status	CstmrPmtAckRpt/ OrgnlGrpInfAndsts/ Grpsts	Y	Varchar(4)	File Level Status ACCP = Accepted RJCT = Rejected PACP = Partially Accepted
10	Group Status /File Level StatusReject/Failure Reason Code	CstmrPmtAckRpt/ OrgnlGrpInfAndsts/GrpS ts/ StsRsnInf/Rsn/ Cd	Y when Grpsts is RJCT	Varchar(10)	This tag will be repeated in case of multiple errors.
Below tags will be repeated for each Beneficiary Beneficiary response record which has been rejected by external					

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
system i.e. Accepted records should not be given in the below section					
11	Original End to End Id	CstmrPmtAckRpt/ OrgnlPmtInfAndSts/ TxInfAndSts/ OrgnlEndToEndId	Y	Varchar(50)	Unique Credit Transaction Id given by STATE/SCHEME DBT Portal
12	Beneficiary Scheme Specific Id	CstmrPmtAckRpt/ OrgnlPmtInfAndSts/ TxInfAndSts/Prtry/ Id	Y	Varchar(50)	Scheme Specific Beneficiary Id in Source System
13	PFMS Beneficiary 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 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 multiple errors.
16	Reject/Failure Reason Narration	CstmrPmtAckRpt/ OrgnlPmtInfAndSts/ TxInfAndSts/ StsRsnInf/Rsn/ AddtlInf	Y when Rsn/Cd is available	Varchar(100)	Reject/Failure Reason Narration.

4.3.4 XML File Structure

NOTE: THIS IS OPTIONAL (ALL CASES)

Beneficiary Status Acknowledgement (To PFMS):

Case-1-ACCP

```

<?xml version="1.0"?>
<DbtBenStatusAckxmlNs="http://PFMS.nic.in/BeneficiaryStatusAck">
    <CstmrPmtAckRpt>
        <GrpHdr>
            <MsgId>Unique Message Identifier</MsgId>
            <CreDtTm>2012-06-29T15:49:00</CreDtTm>
            <NbOfTxns>3</NbOfTxns>-- Number of records
            <Src>State Scheme Source System Code</Src>--Source System name / Sender

            <Dest>PFMS</Dest>
        </GrpHdr>
        <OrgnlGrplnfAndSts>
            -- Original Transaction Batch Reference
            <OrgnlMsgId>Batch Details</OrgnlMsgId>
            <OrgnlPmtInflId>Batch ID</OrgnlPmtInflId>
            <OrgnlNbOfTxns>675</OrgnlNbOfTxns>
        
```

```

        <GrpSts>ACCP</GrpSts>
    </OrgnlGrpInAndsts>
    </CstmrPmtAckRpt>
</DbtBenStatusAck>
```

Case-2-RJCT

```

<?xml version="1.0"?>
<DbtBenStatusAckxmlIns="http://PFMS.nic.in/BeneficiaryStatusAck">
    <CstmrPmtAckRpt>
        <GrpHdr>
            <MsgId>Unique Message Identifier</MsgId>
            <CreDtTm>2012-06-29T15:49:00</CreDtTm>
            <NbOfTx>3</NbOfTx> -- Number of records
            <Src>State Scheme Source System Code</Src> --Source System name / Sender

            <Dest>PFMS</Dest>
        </GrpHdr>
        <OrgnlGrpInAndsts>
            -- Original Transaction Batch Reference
            <OrgnlMsgId>Batch Details</OrgnlMsgId>
            <OrgnlPmtInId>Batch ID</OrgnlPmtInId>
            <OrgnlNbOfTx>675</OrgnlNbOfTx>
            <GrpSts>RJCT</GrpSts>
        <StsRsnInft>
            <Rsn>
                <Cd>fd</Cd>
            </Rsn>
        </StsRsnInft>
        </OrgnlGrpInAndsts>
    </CstmrPmtAckRpt>
</DbtBenStatusAck>
```

Case-3-PACP

```

<?xml version="1.0"?>
<DbtBenStatusAckxmlIns="http://PFMS.nic.in/BeneficiaryStatusAck">
    <CstmrPmtAckRpt>
        <GrpHdr>
            <MsgId>Unique Message Identifier</MsgId>
            <CreDtTm>2012-06-29T15:49:00</CreDtTm>
            <NbOfTx>3</NbOfTx> -- Number of records
            <Src>State Scheme Source System Code</Src> --Source System name / Sender

            <Dest>PFMS</Dest>
        </GrpHdr>
        <OrgnlGrpInAndsts>
            -- Original Transaction Batch Reference
            <OrgnlMsgId>Batch Details</OrgnlMsgId>
            <OrgnlPmtInId>Batch ID</OrgnlPmtInId>
            <OrgnlNbOfTx>675</OrgnlNbOfTx>
```

```

        <GrpSts>PACP</GrpSts>
        <StsRsnInf>
            <Rsn>
                <Cd>fd</Cd>
            </Rsn>
        </StsRsnInf>
    </OrgnlGrpInfAndSts>
    <OrgnlPmtInfAndSts>
        <TxInfAndSts>
            <OrgnlEndToEndId>Orgnld1</OrgnlEndToEndId>
            <Prtry>
                <Id>Reference Source System key1</Id>
            </Prtry>
            <PFMSId>PFMS Beneficiary id1</PFMSId>
            <TxSts>RJCT</TxSts>
            <StsRsnInf>
                <Rsn>
                    <Cd>fd1</Cd>
                    <AddtlInf>failed1</AddtlInf>
                </Rsn>
            </StsRsnInf>
        </TxInfAndSts>
        <TxInfAndSts>
            <OrgnlEndToEndId>Orgnld2</OrgnlEndToEndId>
            <Prtry>
                <Id>Reference Source System key2</Id>
            </Prtry>
            <PFMSId>PFMS Beneficiary id2</PFMSId>
            <TxSts>RJCT</TxSts>
            <StsRsnInf>
                <Rsn>
                    <Cd>fd2</Cd>
                    <AddtlInf>failed2</AddtlInf>
                </Rsn>
            </StsRsnInf>
        </TxInfAndSts>
        <TxInfAndSts>
            <OrgnlEndToEndId>Orgnld3</OrgnlEndToEndId>
            <Prtry>
                <Id>Reference Source System key3</Id>
            </Prtry>
            <PFMSId>PFMS Beneficiary id3</PFMSId>
            <TxSts>RJCT</TxSts>
            <StsRsnInf>
                <Rsn>
                    <Cd>fd31</Cd>
                    <AddtlInf>failed31</AddtlInf>
                </Rsn>
                <Rsn>
                    <Cd>fd32</Cd>
                    <AddtlInf>failed32</AddtlInf>
                </Rsn>
            </StsRsnInf>
        </TxInfAndSts>
    </OrgnlPmtInfAndSts>

```

```

        </StsRsnInfo>
        </TxInfoAndSts>
    </OrgnlPmtInfoAndSts>
</CstmrPmtAckRpt>
</DbtBenStatusAck>

```

4.3.5 Error codes for Beneficiary Status File Acknowledgement Structure.

NOTE: THIS IS OPTIONAL

External system can use the following error codes in the Nack file for specifying the reason for rejection of response file/record

S.No.	Error Code	Error Description
1	CAE0001	Invalid Original Message Id
2	CAE0002	Invalid Batch Id
3	CAE0003	Mandatory supporting fields not provided for APBS Beneficiary
4	CAE0004	Invalid End to End ID
5	CAE0005	File Format Error – This error is to be used only in the header

5 Payment Information File Processing

Submission of Beneficiary Payment Information File by STATE/SCHEME DBT Portal to PFMS:

Payment Information File (in XML format) will be sent to PFMS by STATE/SCHEME DBT Portal thru SFTP for further processing. This file may or may not be digitally signed by Paying Authority. **Please note payment request file can contain max of 50,000 records for optimal performance**

5.1.1 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. <Source System Id given by PFMS>DBTPAYREQDDMMYYYYN for Payment file And <Source System Id given by PFMS>DBTMISREQDDMMYYYYN for MIS Data.

5.1.2 SFTP Folder Details

The table below summarizes the SFTP Folder details:

Data	Source	FTP Folder Location	Destination	Polling Interval	Folder Permissions
Beneficiary Payment Request	STATE/SCHEME DBT Portal	[CPSMS\<Source System Id>\PaymentData\ToCPSMS]	CPSMS	As and when Beneficiary is entitled for payment	PFMS to have Read, Write & Delete Access on Folder
Beneficiary	PFMS	[CPSMS\<Source	STATE/SCHEME	For every	PFMS to have

Payment Acknowledgement		System Id>\PaymentData \FromCPSMS\	DBT Portal	Beneficiary Payment Request File	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. The path mentioned in the SFTP folder location column is relative to the root folder created for Beneficiary payment data on Source System's Secure FTP server or PFMS Secure FTP server. The time specified in the polling interval should be configurable as it may be changed anytime later depending upon the requirements and volume of transactions.

5.1.3 Field List

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

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
Message Header					
1.	Unique Message Id	DbtPayment/ CstmrCdtTrfInit n/ 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>DBTPAYREQDDMMYYYYN format.</p> <p>or</p> <p><Source System Id given by PFMS>DBTMISREQDDMMYYYYN for MIS Data.</p> <p>Where <Source System Id given by PFMS> stand for four digits Source System Id which is given by PFMS, DBTPAYREQ stands for DBT Payment request, And DBTMISREQ stand for MIS Data, 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 0002DBTMISREQ05062013 or 0002DBTPAYREQ05062013 1 for the first message generated on 5-Jun 13 or 0002DBTPAYREQ29052013 109 for the 109th message generated on 29-May-13.</p>

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
2.	Message Date Time	CstmrCdtTrfInitn/ GrpHdr/CreDtTm	Y	Datetime	It is date and time when the message is generated in source system.
3.	Records Count	CstmrCdtTrfInitn/ GrpHdr/NbOfTxns	Y	Int	This attribute will contain the number of Beneficiary payments included in the file. It will always be more than zero. Count of CdtTrfTxns tag
4.	Control Sum	CstmrCdtTrfInitn/ GrpHdr/CtrlSum	Y	Numeric(18,2)	Sum of all credit payment amount
5.	Data Source	CstmrCdtTrfInitn/ GrpHdr/Src	Y	Varchar(5)	It is source system id allotted by PFMS.
6.	Destination	CstmrCdtTrfInitn/ GrpHdr/Dest	Y	Varchar(5)	Since this file is always sent to PFMS the value for this attribute will always contain "PFMS".
7.	Initiating Party Name	CstmrCdtTrfInitn/ InitgPty/Nm	Y	Varchar(200)	Owner Agency of Data whose account is going to be debited
8.	Initiating Party Code	CstmrCdtTrfInitn/ InitgPty/Prtry/ Id	Y	Varchar(100)	Data Owner Agency Unique Code in PFMS
9.	Batch ID	CstmrCdtTrfInitn/ PmtInf/PmtInfId	Y	Varchar(16)	Format: CPDSDDMMYYXXXX (Total 16 characters. CP is fixed for payment file. DS refers to the 4 digit Source System Id allotted by PFMS, DDMMYY represent the date and XXXX represent four digit running serial no. First file should have serial no. 0001, 2nd file 0002 and so on
10.	Batch Date	CstmrCdtTrfInitn/ PmtInf/PmtInfDt	Y	Date	YYYY-MM-DD format Batch Date
11.	Centre Authority Code	CstmrCdtTrfInitn/ PmtInf/ PmtAuthCtre/Cd	Y	Varchar(50)	DBT Mission Scheme code for DBT payments
12.	External System Payment Identifier	CstmrCdtTrfInitn/ PmtInf/ PmtAuthPrvc/Cd	N	Varchar(50)	This identifier will be shared by PFM's with the banks if received

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
13.	Assignment Sanction Transaction ID	CstmrCdtTrfInitn/ PmtInf/ ASMLTTranID/Cd	N	Varchar(17)	Mandatory for TSA mode transaction. PFMS Unique Credit Transaction ID for Assignment Sanction received by Agency
Below is Repetitive Information for each Beneficiary					
14.	Institution ID	CstmrCdtTrfInitn/ PmtInf/OrgId/Cd	Y	Varchar(100)	Institution ID should be the unique agency code of PFMS agency with which the Beneficiary is associated i.e. State Level Agency
15.	Institution Name	CstmrCdtTrfInitn/ PmtInf/OrgId/Nm	N	Varchar(200)	Agency name for above mentioned agency
16.	Scheme Code	CstmrCdtTrfInitn/ PmtInf/OrgId/SchemeCd	Y	Varchar(25)	Scheme code needs to be taken from PFMS before starting data exchange
17.	Category	CstmrCdtTrfInitn/ PmtInf/OrgId/	Y	Varchar(20)	Category of Beneficiary. Possible values would be shared. Value provided will be validated against the master. All the payment records must belong to the same category else the payment file will be rejected.
18.	Registration Type	CstmrCdtTrfInitn/ PmtInf/OrgId/RegType	N	Char(1)	Registration type of Beneficiary, possible values are "F" or "R" F- Fresh R-Renewal. It is applicable only for Scholarship Schemes
19.	Payment Method	CstmrCdtTrfInitn/ PmtInf/PmtMtd	Y	Varchar(4)	The value will be always given as per below codes. A- Account Based Payment U- Aadhaar Based Payment
20.	Required Execution Date	CstmrCdtTrfInitn/ PmtInf/ReqdExctnDt	Y	Date	YYYY-MM-DD formatted date on which payment is to be processed. It will be used only if payment is to be made in future date. It should be greater or equal to current date

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
21.	Payment Instruction/Order Number	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf/ PmtId/InstrId	Y/N Mandatory for PM Kisan only	Varchar(16)	Instruction/Order Number if any. Reference to payment sanction, etc. which will be used for reconciliation by originating system. For PM Kisan, it will be Financial Year 2018-2019 will be 2019 Financial Year 2019-2020 will be 2020
22.	Unique Credit Transaction Id	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf/ PmtId/EndToEndId	Y	Varchar(50)	As generated in the source system i.e. STATE/SCHEME DBT. It should be unique across all transactions throughout the life of integration. PFMS will share this ID with the Bank through payment files
23.	Payment Amount Center Share	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf/ Amt/CtreAmt	Y/N	Decimal(18,2)	Provide if applicable Paisa will be separated by .(dot) Mandatory when Beneficiary is getting the share of centre. Total of all component amount appearing under Purpose (If multiple components are involved)
24.	Payment Amount State Share	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf/ Amt/PrvcAmt	Y/N	Decimal(18,2)	Provide if applicable. Paisa will be separated by .(dot) Mandatory when Beneficiary is getting the share of state. Total of all component amount appearing under Purpose (If multiple components are involved)
25.	Total Payment Amount	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf/ Amt/InstdAmt	Y/N	Decimal(18,2)	Total Payment Amount Paisa will be separated by .(dot) Mandatory when both Centre and State

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
					contribution amount amounts are present. Total of all component amount appearing under Purpose (If multiple components are involved)
26.	Bank/Post Office Name	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf/ CdtrAgt/FinInstnId/ BICFI	Y	Varchar(100)	Bank Small or Full Name can be given here. Master will be shared by PFMS
27.	Bank/Post Office Branch	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf/ CdtrAgt/FinInstnId/ BrnchId	Y	Varchar(11)	In this field either of IFSC Code (11 digits)
28.	Scheme Specific Id	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf/ Cdtr/Prtry/Id	Y	Varchar(100)	Scheme Specific Source System Beneficiary Id.
29.	PFMSBeneficiary Code	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf/ Cdtr/CPSMSId	Y	Varchar(50)	PFMSBeneficiary Code provided in response file.
30.	Beneficiary type	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf/ Cdtr/Tp	Y	Varchar(10)	Beneficiary Type needs to be taken from PFMS before starting data exchange
31.	Beneficiary Title	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf/ Cdtr/Titl	N	Varchar(10)	Beneficiary Title. Eg. Mr, Mrs, Ms, Dr, etc....
32.	Beneficiary Name	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf/ Cdtr/Nm	Y	Varchar(100)	If account is not validated by bank then it is agency given name else it is Beneficiary name returned by bank during account validation
33.	Beneficiary Registration Type	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf/ Cdtr/BenRegType	N	Char(1)	Registration type of Beneficiary, possible values are "F" or "R" F- Fresh R-Renewal. It is applicable only for Scholarship Schemes
34.	District Code	CstmrCdtTrfInitn/PmtInf/ CdtTrfTxInf/ Cdtr/PstlAddr/Prtry/DstCd	Y	varchar(5)	District Code - which is already available in PFMS
35.	State Code	CstmrCdtTrfInitn/	N	varchar(3)	State Code - which is already available in PFMS

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
		PmtInf/CdtTrfTx Inf/ Cdtr/PstlAdr/Pr try/PrvcCd			
36.	Bank/Post Office Account number	CstmrCdtTrfInit n/ PmtInf/CdtTrfTx Inf/ Cdtr/CdtrAcct/ Id/Othr/BBAN	Yes if Aadhaar Number is not provided	Varchar(35)	Bank/Post Office Account Number of Beneficiary It can be 'SB', 'SBA' or 'JD' for PM Kisan
37.	Aadhaar Number	CstmrCdtTrfInit n/ PmtInf/CdtTrfTx Inf/ Cdtr/CdtrAcct/ Id/Othr/SOSE	Yes if Bank Account details are not provided	Varchar(12)	Must be valid 12-digit code In case of MIS only, Aadhaar Number is NOT required to be shared. However, external system must share the Account Number (serial No. 35), and the IFSCCODE (serial No. 26) in which the amount was credited when payment was made by External System to this beneficiary through Aadhaar Mode.
38.	Payment Purpose/ Component Code	CstmrCdtTrfInit n/ PmtInf/CdtTrfTx Inf/ Purp/Cd	Y	Varchar(10)	Payment Purpose/Component code. This tag can be repeated if there are multiple purpose/component codes. Master of Purpose/Component code to be exchanged by PFMS to STATE/SCHEME DBT Portal after mutual arrangement. Payment purpose will identify whether it is payment for 1st installment or 2 nd Installment etc.
39.	Payment Amount Center Share	CstmrCdtTrfInit n/ PmtInf/CdtTrfTx Inf/ Purp/Amt/CtreAm t	Y/N	Decimal(1 8,2)	Provide if applicable Paisa will be separated by.(dot) Mandatory when Beneficiary is getting the share of centre.
40.	Payment Amount State Share	CstmrCdtTrfInit n/ PmtInf/CdtTrfTx Inf/ Purp/Amt/PrvcAm t	Y/N	Decimal(1 8,2)	Provide if applicable. Paisa will be separated by .dot) Mandatory when Beneficiary is getting the share of state.

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
41.	Total Payment Amount	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf/ Purp/Amt/Instda mt	Y/N	Decimal(1 8,2)	Total Payment Amount Paisa will be separated by .dot) Mandatory when both Centre and State contribution amount amounts are present.
42.	Sub System Id	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf/ RmtInf/Strd/Src Id	N	Varchar(35)	If applicable
43.	Sub System User	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf/ RmtInf/Strd/Usr Id	N	Varchar(50)	Agency/Scheme related User Id in sub system.
44.	Data created Date Time	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf/ RmtInf/Strd/Cre DtTm	N	Datetime	Data generation/approval date time in original source system.
45.	Payment From Date	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf/ RmtInf/Strd/Frm Dt	Y	Date	Format YYYY-MM-DD. Please specify the Start date of Payment period here. Scheme Payment periodicity should be adhered to scheme guidelines
46.	Payment To Date	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf/ RmtInf/Strd/ToD t	Y	Date	Format YYYY-MM-DD. Please specify the end date of Payment period here.
47.	Reference Document Information Number	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf/ RmtInf/Strd/RfrdDocInf/Nb	N	Varchar(25)	This is sanction reference number to the Payment Instruction/Order
48.	Reference Document Information Date	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf/ RmtInf/Strd/RfrdDocInf/Rltd Dt	N	Date	YYYY-MM-DD Sanction reference Instruction/Order Date
49.	Remark for Beneficiary	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf/ RmtInf/RltdInf/ Rem	N	Varchar(21)	This data will be populated to Beneficiary account after successful payment.

Table 4

5.1.4 XML File Structure

To PFMS:

```

<DbtPayment xmlns="http://cpsms.nic.in/PaymentRequest">
<CstmrCdtTrfInitn>
<GrpHdr>
    <MsgId>Unique Message Identifier</MsgId>
    <CreDtTm>2013-02-13T14:07:00</CreDtTm> --Msg Creation Datetime
    <NbOfTxns>3</NbOfTxns> --Number of records
    <CtrlSum>11500000</CtrlSum> --Sum of amount of credit
    <Src>State Scheme Source System Code</Src>
    <Dest>PFMS</Dest> --Receiving System name
    <InitgPty>
        <Nm>Data Delivery Agency</Nm>
        <Prtry>
            <Id>Reference Key of agency/PFMS Unique Code</Id>
        </Prtry>
    </InitgPty>
</GrpHdr>
<PmtInf>
    <PmtInfId>Batch Number</PmtInfId>
    <PmtInfDt>2013-02-13</PmtInfDt>
    <PmtAuthCtre>
        <Cd>Centre Authority Code</Cd>
    </PmtAuthCtre>
    <PmtAuthPrvc>
        <Cd>State Authority Code</Cd>
    </PmtAuthPrvc>
    <ASMLTTranID>
        <Id>Assignment Sanction Transaction ID</Id>
    </ASMLTTranID>
    <OrgId>
        <Cd>Payment Originating/Implementing Agency Code</Cd>
        <Nm>Payment Originating Institution name</Nm>
    <SchmeCd>Scheme Code</SchmeCd>
    <Ctg>Category</Ctg>
    <RegType>Registration Type</RegType>
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        <BtchBookg>true</BtchBookg>
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            <CtreAmt>5000</CtreAmt> --Central Share Amount
                <PrvcAmt>3000</PrvcAmt> --State Share Amount
                <InstdAmt>8000</InstdAmt> --Instructed Credit Amount
            </Amt>
        <CdtrAgt>
            <FinInstnId>
                <BICFI>Creditor Bank/Post Office (Small Name/Full Name)</BICFI>
                <BrnchId>Branch Code (IFSC Code/MICR Code/IIN Number/Branch Code)</BrnchId>
            </FinInstnId>
        <Cdtr>
        <Prtry>
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        </Prtry>
    
```

```

<CPSMSId>Beneficiary Code in PFMS</CPSMSId>
<Tp>Beneficiary Type</Tp> --Beneficiary Type
    <Titl>Beneficiary Title</Titl> --Beneficiary Title
    <Nm>Beneficiary Name</Nm> --Beneficiary Name
    <BenRegType>Beneficiary Name</ BenRegType>
<PstlAdr><Prtry><DstCd>District Code</DstCd><PrvcCd>State
Code</PrvcCd></Prtry></PstlAdr><CdtrAcct>
    -- Beneficiary Account Details
    <Id><Othr><BBAN>30001216371411</BBAN> --Bank A/c Number
        <SOSE>123456789012</SOSE> -- Aadhaar
Number
</Othr></Id></CdtrAcct></Cdtr>
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<Amt>
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<PrvcAmt />
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</Purp>
<RmtInf>
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</RltdInf>
</RmtInf>
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</PmtInf>
</CstmrCdtTrfInitn>
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<SignatureMethodAlgorithm="http://www.w3.org/2000/09/xmldsig#rsa-sha1" />
<ReferenceURI="">
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</Transforms>
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</Reference>
</SignedInfo>
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<KeyInfo>
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<X509Certificate>

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```

5.1.5 Validation of Payment Information File Data by PFMS

After receiving the file from STATE/SCHEME DBT Portal, following validations will be applied on the Beneficiary payment file records

S.No.	Error Code	Error Description
1	CPE0001	Duplicate Batch ID (Check will be applied after ignoring Rejected Batches)
2	CPE0002	Batch Id not as per defined format
3	CPE0003	Scheme Code does not exist in PFMS
4	CPE0004	Beneficiary Type does not exist in PFMS or does not belongs to the provided Scheme
5	CPE0005	Payment Period is not same for the complete batch.
6	CPE0006	Payment from or Payment To date format is incorrect
7	CPE0007	Payment from Date is not <= Payment to Date
8	CPE0008	Payment From Date is not less than Sysdate
9	CPE0009	PFMS Beneficiary code does not exists in PFMS or does not correspond to provided Scheme and Beneficiary Type
10	CPE0010	Verification of Digital Signature Failed if the digitally signed file is received
11	CPE0011	Payment Amount is not allowed for both Payment Amount Centre Share and Payment Amount State Share.
12	CPE0012	Duplicate payment check based on PFMS Beneficiary Code + Scheme +Beneficiary Type + Payment Period fails
13	CPE0013	Mandatory fields value missing
14	CPE0014	Incorrect District LGD Code
15	CPE0015	Incorrect State LGD Code
16	CPE0016	Invalid Digital Signature as per observation of Program Division
17	CPE0017	Lack of budget at Central level as per observation of Program Division
18	CPE0018	Full utilization of allocation to state as per observation of Program Division
19	CPE0019	More than estimated number of beneficiaries sent for payment as per observation of Program Division
20	CPE0020	Incorrect list of beneficiaries as per observation of Program Division
21	CPE0021	Incorrect amounts for payments as per observation of Program Division
22	CPE0022	Payment Amount should be more than zero only for one of Payment Amount Center Share and Payment Amount State Share
23	CPE0023	Payment Amount not as per Limits defined for the Scheme and State
24	CPE0024	Duplicate Message ID
25	CPE0025	Record Count Should be more than Zero
26	CPE0026	Control Sum should be more than Zero
27	CPE0027	Institution ID/Initiating Party Code should be PFMS Agency Code
28	CPE0028	Invalid Center Authority Code
29	CPE0029	Invalid State Authority Code
30	CPE0030	Invalid Bank/Post Office Name
31	CPE0031	Invalid Bank/Post Office Branch
32	CPE0032	Invalid payment purpose code against Beneficiary type
33	CPE0033	Wrong Data Type/Data Length/Data Type Format
34	CPE0034	Beneficiary Code does not exist in PFMS
35	CPE0035	If Account number is available then account validate as per configuration
36	CPE0036	Beneficiary Account number does not belong to Beneficiary code and Scheme
37	CPE0037	UID does not belong to Beneficiary UID from Beneficiary file
38	CPE0038	Message Id should be file name
39	CPE0039	Control Sum should be same as total payment amount
40	CPE0040	All Transaction in batch should be in same payment mode either state or central
41	CPE0041	Multiple Transaction for same Beneficiary and period not allowed

S.No.	Error Code	Error Description
42	CPE0042	Message Id not as per defined format, it should be combination of source + DBTPAYREQ + ddMMYY+Seq No.
43	CPE0043	Scheme Location of Agency is not defined, please contact the Agency Administrator for defining the same in PFMS.
44	CPE0044	Agency Administrator has not defined bank account to be used for payment of given "Payment Purpose" in PFMS, please contact the Agency Administrator for defining the same in PFMS.
45	CPE0045	Agency Administrator has not defined payment authorization mode to be used in PFMS, please contact the Agency Administrator for defining the same in PFMS.
46	CPE0046	Agency Administrator has wrongly mapped the scheme component with multiple Bank accounts, please contact him/her for correcting the same in PFMS.
47	CPE0047	Beneficiary does not belong to provided Beneficiary type
48	CPE0048	Total Amount is not equal to sum of Center share amount + state share amount
49	CPE0049	Both CentreShareAmount and StateShareAmount cannot be zero.
50	CPE0050	Value not exists in tblStateSchemeConfiguration table
51	CPE0051	Error in data sync in tblPaymentBatchDetails
52	CPE0052	Beneficiaries are not mapped to payment agency.
53	CPE0053	Invalid (From/To) Date Format
54	CPE0054	Multiple BeneficiaryType not allowed in a payment file.
55	CPE0055	Amount cannot be -ve.
56	CPE0056	Duplicate EndToEndId Not allowed.
57	CPE0057	Invalid payment method
58	CPE0058	Account number is marked as Invalid in PFMS.
59	CPE0059	Aadhar is not seeded.
60	CPE0060	Both Account and Aadhar are invalid.
61	CPE0061	IFSCCode is invalid.
62	CPE0062	File not received by CPSMS due to format error
63	CPE0063	Duplicate payment check based on EndToEndID fails
64	CPE0064	DBT Scheme Activity Code not Mapped in component Master
65	CPE0067	Mandatory value not provided for Centre Authority Code
66	CPE0068	Supported PDF File not provided
67	CPE0069	Supported File not in PDF format
68	CPE0070	RefDocNo and date are not same for all credit records
69	CPE999	File rejected by agency user through PFMS portal
70	CPE0071	Mandatory value not provided for State Authority Code
71	CPE0072	Sanction No./Date not provided
72	CPE0073	Sanction Date Cannot be future date
73	CPE0074	No. of Records in Detail Section does not match with Record Count in Header Section
74	CPE0075	File is Tempered
75	CPE0076	Enrolment details not available in PFMS
76	CPE0078	All beneficiary records must belong to the same category.
77	CPE0079	Payment amount mentioned in the payment file is exceeding the maximum transaction amount mentioned in the DSC enrolment file.
78	CPE0080	Payment Instruction Order number should contain Financial year for PM Kisan. e.g for Financial Year 2018-2019, value will be 2019 Financial Year 2019-2020, value will be 2020

S.No.	Error Code	Error Description
		Valid for PM Kisan Only
79	CPE0081	Category can be 'SC', 'ST' or 'GEN'. Valid for PM Kisan only.
80	CPE0082	Only one Component Code is accepted in payment file, in case of DBT payments only.
81	CPE0083	Bank Account Type should be SB / SBA / JD- Valid for PM Kisan only
82	CPE0084	Due year is not as per format (YYYY)
83	CPE0085	Bank Account validation status for Debit Account is in Fail status in PFMS.
84	CPE0087	Duplicate payment check based on Installment No fails Valid for PM Kisan only.
85	CPE0088	Rejected By Ministry
86	CPE0089	Beneficiary not matched with failed beneficiary
87	CPE0090	Already payment done in previous component
88	CPE0091	Technical error at PFMS
89	CLA0025	External System is integrated for MIS Data only
90	CLA0026	External system is integrated for Payment mode
91	CPE0091	DBT Mission Scheme code has not been provided
92	CPE0092	Provided Payment Purpose/Component Code does not belong to provided DBT Mission Scheme Code
93	CPE0093	Invalid Assignment Sanction ID – Applicable for TSA DBT
94	CPE0094	Insufficient balance in Assignment Sanction ID – Applicable for TSA DBT

Table 5

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 STATE/SCHEME DBT Portal.

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

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 and for the records which pass the validations, there will not be any value for reason of rejection. Batch Id provided by the STATE/SCHEME DBT Portal in the payment file will be used as reference number for communication.

In case the beneficiary is registered with both Bank account details and Aadhaar details in PFMS, STATE/SCHEME DBT portal should send only one of these attributes to PFMS in the payment file based on his choice of payment method to be used for disbursement of benefit.

5.1.6 Payment File Acknowledgement

Once Payment file is received by the PFMS, Acknowledgement (Ack /Nack) will be sent to external system.

NOTE: THIS IS OPTIONAL

If the external system does not receive acknowledgement of payment file within 48 hours, external system will re-push the same payment file again after 48 hours assuming that payment file sent by External system has not been received by PFMS.

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	DbtPaymentAck/CstmrPmtAckRpt/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>DBTPAYRESDDMMYY YYN format,</p> <p><Source System Id given by PFMS>DBTMISRESDDMMYY YYN format ,where <Source System Id given by PFMS> stand for four digits Source System Id which is given by PFMS, DBTPAYRES stands for DBT Payment request Acknowledgement, And DBTMISRES stand for MIS Data 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 0002DBTPAYRES050620131 or 0002DBTMISRES050620131 for the first message generated on 5-Jun 13 or 0002DBTPAYRES290520131 09 for the 109th message generated on 29-May-13.</p>
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	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 TxInfAndSts tag</p>
4.	Data Source	CstmrCdtTrfInitn/GrpHdr/Src	Y	Varchar(5)	Since this file is always sent by PFMS the value for this attribute will always contain "CPSMS".

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
5.	Destination	CstmrCdtTrfInitn/ GrpHdr/Dest	Y	Varchar(5)	As allotted by PFMS e.g. Value for Punjab DBT App is '0002'
6.	Original Message Id	CstmrPmtAckRpt/ OrgnlGrpInfAndSts/ OrgnlMsgId	Y	Varchar(25)	Original Message Id received in Payment Request file
7.	Original Message Name	CstmrPmtAckRpt/ OrgnlGrpInfAndSts/ OrgnlMsgNmId	Y	Varchar(100)	Message Name
8.	Number of Records in Original File	CstmrPmtAckRpt/ OrgnlGrpInfAndSts/ OrgnlNbOfTxns	Y	Int	Number of Records in Original File
9.	Control Sum of Original File	CstmrPmtAckRpt/ OrgnlGrpInfAndSts/ OrgnlCtrlSum	Y	Number(18,2)	Control Sum of Original File
10.	Created date time of Original File	CstmrPmtAckRpt/ OrgnlGrpInfAndSts/ OrgnlCreDtTm	Y	Datetime	Created date time of Original File
11.	Group Status /File Level Status	CstmrPmtAckRpt/ OrgnlGrpInfAndSts/ Grpsts	Y	Varchar(4)	File Level Status ACCP = Accepted RJCT = Rejected
12.	Reject/Failure Reason Code	CstmrPmtAckRpt/ OrgnlGrpInfAndSts/ GrpstsRsnInf/Rsn/ Cd	Y when Grpsts = 'RJCT'	Varchar(10)	This tag will be repeated in case of multiple errors. Reason Code
13.	Reject/Failure Reason Narration	CstmrPmtAckRpt/ OrgnlGrpInfAndSts/ GrpstsRsnInf/Rsn/ AddtlInf	Y when Grpsts = 'RJCT'	Varchar(100)	This tag will be repeated in case of multiple errors. Additional Description
14.	Batch Id	CstmrPmtAckRpt/ OrgnlPmtInfAndSts/ OrgnlPmtInfId	Y	Varchar(16)	As received from STATE/SCHEME DBT Portal in the payment file
Below tags will be repeated for each Beneficiary payment record					
15.	Original End to End Id	CstmrPmtAckRpt/ OrgnlPmtInfAndSts/ TxInfAndSts/ OrgnlEndToEndId	Y	Varchar(50)	Unique Credit Transaction Id given by STATE/SCHEME DBT Portal
16.	Beneficiary Scheme Specific Id	CstmrPmtAckRpt/ OrgnlPmtInfAndSts/ TxInfAndSts/Prtry/ Id	Y	Varchar(50)	Scheme Specific Beneficiary Id in Source System
17.	PFMS Beneficiary Code	CstmrPmtAckRpt/ OrgnlPmtInfAndSts/ TxInfAndSts/CPSM SID	Y	Varchar(50)	Beneficiary Code in PFMS System

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
18.	Record Level Status	CstmrPmtAckRpt/ OrgnlPmtInfAndSts/ TxInfAndSts/TxSts	Y	Varchar(4)	Record Level Status ACPT = Accepted RJCT = Rejected
19.	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.
20.	Reject/Failure Reason Narration	CstmrPmtAckRpt/ OrgnlPmtInfAndSts/ TxInfAndSts/ StsRsnInf/Rsn/ AddtlInf	Y when Rsn/Cd is available	Varchar(100)	Reject/Failure Reason Narration.

Table 6

5.1.7 Payment File Acknowledgement XML Structure

Payment File Acknowledgement (From PFMS):

```

<DbtPaymentAck xmlns="http://cpsms.nic.in/BeneficiaryPaymentAck">
<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>
    </GrpHdr>
    <OrgnlGrpInfAndSts>                                -- Original Transaction Batch Reference

        <OrgnlMsgId>Batch Details</OrgnlMsgId>
        <OrgnlMsgNmId>Standard Name Reference for system</OrgnlMsgNmId>
        <OrgnlNbOfTxns>675</OrgnlNbOfTxns>
        <OrgnlCtrlSum>5674</OrgnlCtrlSum>
        <OrgnlCreDtTm>2012-06-28T14:25:00</OrgnlCreDtTm>
        <GrpSts>RJCT</GrpSts>
        <GrpStsRsnInf>
            <Rsn>
                <Cd />
                <AddtlInf />
            </Rsn>
        </GrpStsRsnInf>
    </OrgnlGrpInfAndSts>

    <OrgnlPmtInfAndSts>
        <OrgnlPmtInfId>Batch ID</OrgnlPmtInfId> -- Batch Reference Id

        <TxInfAndSts>
            <OrgnlEndToEndId>Original EndToEnd Id</OrgnlEndToEndId>
            <Prtry>
                <Id>Reference Source System key</Id>
            </Prtry>
            <CPSMSId>PFMS Beneficiary id</CPSMSId>
            <TxSts>RJCT</TxSts> ---Code for complete or partial accepted Or rejected
        </TxInfAndSts>
    </OrgnlPmtInfAndSts>
</CstmrPmtAckRpt>

```

```

<StsRsnInf>
  <Rsn>
    <Cd>R05</Cd>
    <AddtlInf>Narration</AddtlInf>
  </Rsn>
</StsRsnInf>
</TxInfAndSts>
</OrgnlPmtInfAndSts>
</CstmrPmtAckRpt>
</DbtPaymentAck>

```

5.2 Payment File Authorization in PFMS:

Final Payment can be done in PFMS by

- Through Agency Bank Account, or
- Through Ministry by Pay and Account Office, or
- Through Treasury by Treasury Officers

Depending upon mode of payment, Checker type user of the associated payment authority needs to login into PFMS for authorization of payment files. All the payment files received from STATE/SCHEME DBT portal for his state will be visible in his login for further action. User needs to digitally sign the payment files for authorization purpose. In case of any error or inaccuracy in the payment files, the Authorizer will reject the entire payment file (batch) by citing the appropriate reason from the drop-down list of reasons for rejection.

Once approved and digitally signed by the Authorizer, PFMS will send the digitally signed payment file to the corresponding sponsor bank of Ministry/ Department / State Department / Implementing Agency for execution of transaction.

PFMS will send payment status back to STATE/SCHEME DBT Portal after receiving the same from sponsor bank.

In case of MIS integration, PFMS will not share any payment status data with external system as this data is shared for MIS purpose only and such file will not be sent to bank for any payment.

5.2.1 SFTP Folder Details

The table below summarizes the SFTP Folder details:

Data	Source	FTP Folder Location	Destination	Polling Interval	Folder Permissions
Payment Status Reporting	PFMS	[CPSMS\<Source System Id>\PaymentStatusData\FromCPSMS\]	STATE/SCHEME DBT Portal	As and when Payment Status (Success/Failure) is received from bank	PFMS to have Read & Write Access on Folder
Payment Status File Acknowledgement	STATE/SCHEME DBT Portal	[CPSMS\<Source System Id>\PaymentStatusData\ToCPSMS]	CPSMS	For every Payment Status file	PFMS to have Read, Write & Delete Access on Folder

Polling interval is the duration at which the data needs to be posted by the source system into SFTP folder location. The path mentioned in the SFTP folder location column is relative to the root folder created for payment status data on Source System's Secure FTP server or PFMS Secure FTP server. The time specified in the polling interval should be configurable as it may be changed anytime later depending upon the requirements and volume of transactions.

5.2.2 Field List for Payment Status shared by PFMS with External System

Following fields will be sent in the status file back to the STATE/SCHEME DBT 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	DbtPaymentStatus/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>DBTPAYSTSDDMMYYYY YN format, where <Source System Id given by PFMS> stand for four digits Source System Id which is given by PFMS, DBTPAYSTS stands for DBT 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 0019DBTPAYSTS050620161 for the first message generated on 5-Jun 16 or 0019DBTPAYSTS2905201610 9 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.	Records Count	CstmrCdtTrfInitn/GrpHdr/NbOfTxns	Y	Int	This attribute will contain the number of beneficiary payments included in the file. It will always be more than zero. Count of CdtTrfTxInf tag
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'

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
6.	Debit Advice No.	CstmrCdtTrfInitn/ GrpHdr/DbAdvcNo	Y	Varchar(16)	Debit Advice no. as generated by PFMS and shared with bank by PFMS
7.	State Authority Code	CstmrCdtTrfInitn/PmtInf/ PmtAuthPrvc/Cd	N	Varchar(50)	Token no./Payment Transaction ID as received from external system in the payment file in the tag CstmrCdtTrfInitn/ PmtInf/ PmtAuthPrvc/Cd
8.	Batch ID	CstmrCdtTrfInitn/ PmtInf/PmtInfId	Y	Varchar(16)	As received from External Source System

Below is Repetitive Information for each beneficiary

9.	Instruction Id	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf / PmtId/InstrId	N	Varchar(16)	UTR No. as returned by Bank to PFMS
10.	Unique Credit Transaction Id	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf / PmtId/EndToEndId	Y	Varchar(50)	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/ PmtInf/CdtTrfTxInf / PmtId/CrtxID	Y	Varchar(16)	Unique Credit Transaction ID generated by PFMS and shared with banks by PFMS
12.	PFMS Beneficiary Code	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf / Cdtr/PFMSId	Y	Varchar(50)	PFMS Beneficiary Code provided in response file.
13.	Payment Credit Status	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf / Txsts	Y	Varchar(4)	ACCP=Accepted DACP=Deemed Success RJCT=Rejected
14.	Credit Date	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf / TxDt	Y	Datetime	Credit Date as reported by bank
15.	Rejection Reason Code	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf / StsRsnInf/Rsn/Cd	Y when Txsts is RJCT	Varchar(10)	Rejection Reason Code
16.	Rejection Narration	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf / StsRsnInf/Rsn/AddtlInf	Y when Rsn/Cd is given	Varchar(100)	Rejection Reason Narration
17.	Aadhaar Number As Per Bank	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf / AddtlInfAPBS/BBSO SE	Yes if bank provide Aadhaar Number	Varchar(12)	Beneficiary Aadhaar no. as given by bank for APBS payment
18.	Beneficiary Bank Account Number as	CstmrCdtTrfInitn/ PmtInf/CdtTrfTxInf / AddtlInfAPBS/BBAc cNo	Yes if bank provide Account No.	Varchar(35)	Beneficiary Bank Account Number given by bank for APBS payment

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
	per Aadhaar				
19.	Beneficiary Name as per bank for Aadhaar payment	CstmrCdtTrfInitn/PmtInf/CdtTrfTxInf/AddtlInfAPBS/BBNm	Yes if bank provide Beneficiary Name	Varchar(100)	Beneficiary Name given by bank for APBS payment
20.	Beneficiary Bank Name as per Aadhaar	CstmrCdtTrfInitn/PmtInf/CdtTrfTxInf/AddtlInfAPBS/BN	Yes if bank provide Bank Name	Varchar(100)	Bank Name given by bank for APBS payment

Table 7

Earlier there was no identifier in the integration protocol of PFMS and banks to know whether the credit status shared by banks with PFMS is 'Deemed Credit' status or confirmed credit status.

Now, this protocol is being enhanced and PFMS has started receiving Deemed success (unconfirmed success) status with separate identifier from the banks and will share the same with the external system. Such cases will be shared with external systems with credit status as 'DACP' in place of 'ACCP'.

You may receive the revised credit status also for 'DACP' cases if the same is received at PFMS end from sponsor banks.

Please build the logic at your end so that 'DACP' may be replaceable with 'ACCP' or 'RJCT' status but Processed 'ACCP' or 'RJCT' status should never be replaced with 'DACP' at your end i.e. if you have already received confirmed status from PFMS, It should never be replaced with 'DACP' which may occur due to re-delivery of earlier delivery fail of 'DACP' cases.

5.2.3 XML File Structure

Payment Status XML File Structure (From PFMS):

```

<DbtPaymentStatus xmlns="http://cpsms.nic.in/BeneficiaryPaymentStatus">
<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>
<DbAdvcNo>PFMS Debit Advice no. </DbAdvcNo>
</GrpHdr>
<PmtInf>
<PmtInfId>Batch Number</PmtInfId>
    <PmtAuthPrvc>
        <Cd> FTO No. </Cd>
    <PmtAuthPrvc>
<CdtTrfTxInf>
<PmtId>
<InstrId>UTRNo.</InstrId>
<EndToEndId>Credit Transaction Id as given by External System</EndToEndId>
<CrTxID>Unique Credit Transaction ID generated by PFMS</CrTxID>
</PmtId>
<Cdtr>
```

```

<PFMSId>Beneficiary 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>
<AddtlInfAPBS>
<BBSOSE>BBSOSE</BBSOSE>
<BBAccNo>BBAccNo</BBAccNo>
<BBNm>BBNm</BBNm>
<BN>BN</BN>
</AddtlInfAPBS>
</CdtTrfTxInf>
</PmtInf>
</CstmrCdtTrfInitn>
</DbtPaymentStatus>

```

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

5.2.4 Payment Status File Acknowledgement

NOTE: THIS IS OPTIONAL

For every payment bank response file sent by PFMS to external system, External system needs to share the Ack/Nack for the same. This file will be plain XML file without digital signature.

In case the entire response file has been rejected by external system by giving Nack, External system need to mention 'RJCT' in the header section and PFMS will try to repush the same file again in the SFTP and however if the file with same name could not be pushed again, PFMS will provide the response of such cases in the new response file with new file name. In this case, Detail level details should not be included in the file.

In case, the response file could be partially accepted by external system then external system needs to give the 'PACT' in the header section and needs to provide the individual records in the detail section along with the reason of rejection. In this case, Only rejected records needs to be provided in the detail section and response records which have been successfully consumed by External system, should not be provided in this Ack/Nack file. PFMS will share the response of rejected cases again in the new response file.

In case the complete response file has been successfully accepted by the external system, Then External system need to share the Ack with only header level information giving file level status as accepted.

In case of no Ack/Nack is received from external system within 48 hours, PFMS will re-push the same response file again after 48 hours assuming the response file sent by PFMS has not been received by external system.

Following is the list of fields will be sent in Payment Status 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	DbtPaymentStatusAck/CstmrPmtAckRpt/GrpHdr/MsgId	Y	Varchar (30)	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>DBTPAYSTSACKDDMMYYYYN format, where <Source System Id given by PFMS> stand for four digits Source System Id which is given by PFMS,DBTPAYSTSACK stands for DBT Payment status Acknowledgement, DD for day, MM for month, YYYY for year and N for a sequence number for a day
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	Y	Int	This attribute will contain the number of Beneficiary payments included in the file. It will always be more than zero. Count of TxInfAndSts tag
4	Data Source	CstmrCdtTrfInitn/GrpHdr/Src	Y	Varchar (5)	Source System Id as allotted by PFMS.
5	Destination	CstmrCdtTrfInitn/GrpHdr/Dest	Y	Varchar (5)	Since this file is always sent to PFMS the value for this attribute will always contain "PFMS".
6	Original Message Id	CstmrPmtAckRpt/OrgnlGrpInfAndSts/OrgnlMsgId	Y	Varchar (30)	Original Message Id received in Payment Status file
7	Batch Id	CstmrPmtAckRpt/OrgnlGrpInfAndSts/OrgnlPmtInfId	Y	Varchar (16)	As received from STATE/SCHEME DBT Portal in the payment file
8	Number of Records in Original File	CstmrPmtAckRpt/OrgnlGrpInfAndSts/OrgnlNbOfTxns	Y	Int	Number of Records in Original File
9	Group Status /File Level Status	CstmrPmtAckRpt/OrgnlGrpInfAndSts/GrpSts	Y	Varchar (4)	File Level Status ACCP = Accepted RJCT = Rejected PACP = Partially Accepted

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
10	Reject/Failure Reason Code	CstmrPmtAckRpt/OrgnlGrpInfAndSts/GrpSts/StsRsnInf/Rsn/Cd	Y when GrpSts is RJCT	Varchar (10)	This tag will be repeated in case of multiple errors.
Below tags will be repeated for each Beneficiary payment response record which has been rejected by external system i.e. Accepted records should not be given in the below section					
11	Original End to End Id	CstmrPmtAckRpt/OrgnlPmtInfAndSts/TxInfAndSts/OrgnlEndToEndId	Y	Varchar (50)	Unique Credit Transaction Id given by STATE/SCHEME DBT Portal
12	Beneficiary Scheme Specific Id	CstmrPmtAckRpt/OrgnlPmtInfAndSts/TxInfAndSts/Prtry/ Id	Y	Varchar (50)	Scheme Specific Beneficiary Id in Source System
13	PFMS Beneficiary 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 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 multiple errors.
16	Reject/Failure Reason Narration	CstmrPmtAckRpt/OrgnlPmtInfAndSts/TxInfAndSts/StsRsnInf/Rsn/AddtlInf	Y when Rsn/Cd is available	Varchar (100)	Reject/Failure Reason Narration.

Table 8

5.2.5 Payment Status File Acknowledgement XML Structure

NOTE: THIS IS OPTIONAL

Payment Status Acknowledgement (To PFMS):

```

<DbtPaymentStatusAck xmlns="http://PFMS.nic.in/BeneficiaryPaymentStatusAck">
    <CstmrPmtAckRpt>
        <GrpHdr>
            <MsgId>Unique Message Identifier</MsgId>
            <CreDtTm>2012-06-29T15:49:00</CreDtTm>
            <NbOfTxns>3</NbOfTxns> -- Number of records
            <Src>State Scheme Source System Code</Src> --Source System name /
            <Dest>PFMS</Dest>
        </GrpHdr>
        <OrgnlGrpInfAndSts>
            -- Original Transaction Batch Reference
            <OrgnlMsgId>Batch Details</OrgnlMsgId>

```

Sender

```

<OrgnlPmtInfId>Batch ID</OrgnlPmtInfId>
<OrgnlNbOfTxns>675</OrgnlNbOfTxns>
<GrpSts>RJCT</GrpSts>
<StsRsnInf>
    <Rsn>
        <Cd></Cd>
    </Rsn>
</StsRsnInf>

</OrgnlGrpInfAndSts>
<OrgnlPmtInfAndSts>
    <TxInfAndSts>
        <OrgnlEndToEndId>OrgnId</OrgnlEndToEndId>
        <Prtry>
            <Id>Reference Source System key</Id>
        </Prtry>
        <PFMSId>PFMS Beneficiary id</PFMSId>
        <TxSts>RJCT</TxSts>
        <StsRsnInf>
            <Rsn>
                <Cd></Cd>
                <AddtlInf>Narration</AddtlInf>
            </Rsn>
        </StsRsnInf>
    </TxInfAndSts>
</OrgnlPmtInfAndSts>
</CstmrPmtAckRpt>
</DbtPaymentStatusAck>

```

5.2.6 Error Codes for Payment Status File Acknowledgement XML Structure

External system can use the following error codes in the Nack file for specifying the reason for rejection of response file/record

S.No.	Error Code	Error Description
1	CAE0001	Invalid Original Message Id
2	CAE0002	Invalid Batch Id
3	CAE0003	Mandatory supporting fields not provided for APBS payment
4	CAE0004	Invalid End to End ID
5	CAE0005	File Format Error – This error is to be used only in the header

5.3 Repeat Payments to the Same Beneficiaries

To administer Repeat payment to the beneficiaries for which PFMS Beneficiary code has been already generated in PFMS and shared with the STATE/SCHEME DBT Portal, STATE/SCHEME DBT Portal just need to send the payment files to PFMS

6 DSC Enrollment File Processing

Submission of DSC Enrollment File by STATE/SCHEME DBT Portal to PFMS:

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

6.1.1 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	[CPSMS\<Source System Id>\DSCEnrollmentData\ToCPSMS]	CPSMS	For DSC Enrollment, Update or Expire	PFMS to have Read, Write & Delete Access on Folder
DSC Enrollment File Acknowledgement	PFMS	[CPSMS\<Source System Id>\DSCEnrollmentData\FromCPSMS\]	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.

6.1.2 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(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> DSCENRREQ DDMMYYYYNNN format, where <Source System Id given by PFMS> stand for four digits Source System Id which is given by PFMS, DSCENRREQ stands for DSCEnrollment 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 0002DSCENRREQ0 50620181 for the first message generated on 5-Jun 18 or 0002DSCENRREQ2 9052018109 for the 109 th message generated on 29-May-18.
2	Message Date Time	AcctMndtMntncReq/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	AcctMndtMntncReq/GrpHdr/OrgId/SchmeCd	Y	Varchar (25)	As available in PFMS Master
4	Initiating Party Name(Source)	AcctMndtMntncReq/GrpHdr/InitgPty/Nm	Y	Varchar(100)	Agency Name who has to register the DSC
5	Initiating Party Id	AcctMndtMntncReq/GrpHdr/InitgPty/Id	Y	Varchar(50)	Identity of Agency i.e. Agency Unique code as per PFMS
6	Process Id	AcctMndtMntncReq/GrpHdr/PRcId	Y	Varchar(35)	The value of this attribute is ' DSC ' Digital Signature Enrolment
7	Transaction Type	AcctMndtMntncReq/GrpHdr/Prtry/TxTp	Y	Varchar (4)	The value will be ADDN = Addition CANC = Cancellation
8	Account Number	AcctMndtMntncReq/RptAcct/Accts/Act/AcctId/Id/BBAN	Y/N	Varchar (35)	Account Number in Bank is Mandatory when payment is made by Agency Account
9	Account Holder Name	AcctMndtMntncReq/RptAcct/Accts/Act/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	AcctMndtMntncReq/RptAcct/Accts/Acct/AcctId/Tp	N	Varchar(4)	Type of Account GOVT = Government SVGS = Savings CACC = Current LOAN = Loan
11	Financial Institution	AcctMndtMntncReq/RptAcct/Accts/AcctSvcrId/FinInstnNm	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	AcctMndtMntncReq/RptAcct/Accts/AcctSvcrId/BrnchId	Y/N	Varchar(11)	IFSC Code is Mandatory when payment is made by Agency Account
13	Mandate Id	AcctMndtMntncReq/RptAcct/Accts/Mndt/ID	Y	Varchar(15)	Unique id of ExternalSystem for DSC Enrolment request
14	Number of Signatories	AcctMndtMntncReq/RptAcct/Accts/Mndt/SgntrOrdrInd	Y	Small Int	No. of Signatories Required There can be a maximum number of 4 signatories
Digital signature and Signatory Details. This section will repeat of the np. Of signatories are more than 1					
15	Start Date	AcctMndtMntncReq/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	AcctMndtMntncReq/RptAcct/Accts/Mndt/MndtHldr/DgtlSgntr/EndDt	Y	Date	End Date for the validity of Digital Signature The Format for Start Date is YYYY-MM-DD
17	Party Name	AcctMndtMntncReq/RptAcct/Accts/Mndt/MndtHldr/DgtlSgntr/Pty/NM	Y	Varchar(50)	Name of party on whose name DSC is issued
18	Certificate Number	AcctMndtMntncReq/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	AcctMndtMntncReq/RptAcct/Accts/Mndt/MndtHldr/DgtlSgntr/Pty/Issr	Y	Varchar (20)	It can be "Personal" "Enterprise" "Department"
20	Certificate Thumb Print	AcctMndtMntncReq/RptAcct/Accts/Mndt/MndtHldr/DgtlSgntr/Pty/ThumbPrnt	Y	Varchar (100)	Thumb Print extracted from user Signature
21	Aadhaar number	AcctMndtMntncReq/RptAcct/Accts/Mndt/MndtHldr/DgtlSgntr/Pty/Id/PrvtId/SOSE	N	Int	Aadhaar number of Party
22	PAN Number	AcctMndtMntncReq/RptAcct/Accts/Mndt/MndtHldr/DgtlSgntr/Pty/Id/PrvtId/PAN	N	Varchar (10)	PAN Number of Party
23	Designation	AcctMndtMntncReq/RptAcct/Accts/Mndt/MndtHldr/DgtlSgntr/Pty/Prtry/Nm	Y	Varchar (35)	Designation of party
24	Department	AcctMndtMntncReq/RptAcct/Accts/Mndt/MndtHldr/DgtlSgntr/Pty/LglAddr/Dept	Y	Varchar (35)	Department name of the Party
25	Sub-Department	AcctMndtMntncReq/RptAcct/Accts/Mndt/MndtHldr/DgtlSgntr/Pty/LglAddr/SubDept	Y	Varchar (35)	Sub Department name of the Party
26	Street Name	AcctMndtMntncReq/RptAcct/Accts/Mndt/MndtHldr/DgtlSgntr/Pty/LglAddr/StrtNm	N	Varchar (35)	Address: Street Name
27	Building Number	AcctMndtMntncReq/RptAcct/Accts/Mndt/MndtHldr/DgtlSgntr/Pty/LglAddr/BldgNb	N	Varchar (35)	Address: Building Number
28	Postal Code	AcctMndtMntncReq/RptAcct/Accts/Mndt/MndtHldr/DgtlSgntr/Pty/LglAddr/PstCd	N	Int	Address: Postal Code
29	Town Name	AcctMndtMntncReq/RptAcct/Accts/Mndt/MndtHldr/DgtlSgntr/Pty/LglAddr/TwnNm	N	Varchar (35)	Address: Town Name
30	DistrictLGD Code	AcctMndtMntncReq/RptAcct/Accts/Mndt/MndtHldr/DgtlSgntr/Pty/LglAddr/DstCd	Y	Varchar (5)	District LGD Code
31	State LGD Code	AcctMndtMntncReq/RptAcct/Accts/Mndt/MndtHldr/DgtlSgntr/Pty/LglAddr/PrvcCd	Y	Varchar (5)	State LGD Code
32	Phone Number	AcctMndtMntncReq/RptAcct/Accts/Mndt/MndtHldr/DgtlSgntr/Pty/CtctDtls/PhneNb	N	Int Max 10	Phone Number
33	Mobile Number	AcctMndtMntncReq/RptAcct/Accts/Mndt/MndtHldr/DgtlSgntr/Pty/CtctDtls/MobNb	N	Int Max 10	Mobile Number

34	Email Address	AcctMndtMntncReq/RptAcct/Accts/Mndt/MndtHldr/Dgt1Sgntr/Pty/CtctDtls/EmailAdr	Y	Varchar (35)	Email Address
35	Minimum Amount of Debit Transaction	AcctMndtMntncReq/RptAcct/Accts/Mndt/MndtHldr/Dgt1Sgntr/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	AcctMndtMntncReq/RptAcct/Accts/Mndt/MndtHldr/Dgt1Sgntr/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	AcctMndtMntncReq/RptAcct/Accts/Mndt/BkOpr/Domn/Cd	Y	Varchar(4)	The value of this attribute will be "PMNT" i.e. Payment
38.	Scheme Major Head	AcctMndtMntncReq/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.

					RavinderKumar needs to be replaced with actualPartyName
--	--	--	--	--	--

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/ MndtHldr/ DgtlSgntr/ Pty/ Cert

6.1.3 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+5ByEAXy05X7an03h1KY46aQU=</DigestValue>
</Reference>
</SignedInfo>

```

```

<SignatureValue>
uEN5MdzMvfExobfxIKjH8NF5iwJn/AmGN3aqRHFBjZ1rrKwXsw01MMVeQeGBS16qr+HI5Ze1ZIVC
XzNUyp/iYy4VQckFjgbF+GATjNIQbiKFCiGfdc+Q9j0SBky5CJu12VX9sSNmEx/a4XagD3MFubgN
z6BVKGMrU38U1SDEUM/wB/2pk61n8s+Hffv5jcAllSuRRqccxpNNNp3WoU5yIKtI8F4ffvT9U2P
et2i1N2sa+btEPNFpoDnJwYbsiILkO8OggSYUv8ITNNd41UAQ0FH2OEddi3KgawBWx+kjog3xfr+
i1+3/YFnxHQzR3Y3g4f6RVhkNFI3f8EcHu6zw==
</SignatureValue>
<KeyInfo>
<X509Data>
<X509Certificate>
MIIFUTCCBDmgAwIBAgIIIY5tCgEBT+0wDQYJKoZIhvcNAQELBQAwdDELMakGA1UEBhMCSU4xIjAg
BgNVBAoTGVNpZnkvgVGvjaG5vbG9naWVzIEpbw10ZWQxDzANBgNVBAsTB1N1Yi1DQTEwMC4GA1UE
AxMnU2FmZVNjcnlwdCBzdWItQ0EgZm9yIFJDQUkgQ2xhc3MgMiAyMDE0MB4XDTE4MDQwMzA3MDgw
MloXDTIwMDQwMzA3MDgwMlowggEYMQswCQYDVQQGEwJJTjERMA8GA1UEChMIUGVyc29uYWwxDzAN
BgNVBBETBjEyNzAyOTEQMA4GA1UECBMHSGFyeWFuYTFJMEcGA1UEFBNAZTY3N2NhMDAxZDI5OWFj
NjBkNWI4YjM5MDJiN2JjNjcwYT1ZDNjNWZkZGJmZTcyYWM4YTkzODRkOTQ4MzYyYTEqMCgGA1UE
LQmhAdC04kWGAPNF61nhnfMn20Yik1g1hQW1XOTf1H8uFzW7MUkwRwYDVQQFE0AxYmM0OTdkN2Vi
YThkODIxYjA5M2NhNDEyYTc4MjE0OGY2YzBiNmVhNmU3NzU0M2Q1ZjA1MGFiOWE0OWU4NT1kMREw
DwYDVQQDEwhSQVZJTkRFUjCCASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBALrTNIy7f0Dq
6Tfc6i05vxXQFLirZUCbyFL83i2OuvRp+7mw11bDEDTDzwVYE3maRLkyrUC4WOGXFGE mucGEFqu/
2iLVfeoerdMtNSp/8JqQdrzzIEBdbRLazm7Tdb136i8pno9SCx5J71xiMbWvdgJayoCRDI5euk
9ynCuzXeXwfSjG+bZZR0XjyXaZXfBeUQE19WC0BZGACC/14LVGY7f5+CikEoeK0dmIw5s7qfj+n4
f3Aw4GMJr0R8TxWnzresWiRcOPqg5ZSQwM3vXGfAPRtLNKGyh4tDFsCyHxVXq7xxXrgsGBnSJSt1
TpRX9jv1+pgoxBRwnyowaVF1Zs8CAwEAAaOCAT8wggE7MA4GA1UdDwEB/wQEAvIGwDATBgNVHSME
DDAKgAhDDjdX6sfZCDARBgNVHQ4ECgQIT368saVkJQmEwHwYDVR0RBGwF0EUQU5LSVRTRUMyMEBH
TUFJTC5DT00wRwYDVR0fBEAwPjA8oDqgO1Y2aHR0cDovL2Nybc5zYWZ1c2NyeXB0LmNvbS9TYWZ1
U2NyeXB0UkNBSUNsYXNzMjIwMTQuY3JsMIGBgggrBgeFBQcBAQR1MHMwSQuIKwYBBQUHMAKGPWh0
dHBzOi8vd3d3LnNhZmVzY3J5cHQuY29tL2RydXBhbC9kb3dubG9hZC9SQ0FJQ2xhc3MyMjAxNC5j
ZXiWJgYIKwYBBQUHMAGGGm0dHA6Ly9vY3NwLnNhZmVzY3J5cHQuY29tMBMGA1UDIAQMMAwCAYG
YIJKZAICMA0GCSqGSIB3DQEBCwUAA4IBAQ7ohMi0Jq/5TezQ4rjNaal/PioG9KfNjJwP17cqjnK
dAOklp0VKgN6CSV/SU/sZPrp4N5ZeGuOB6qunyohUyc9ny5zK5hGCFN4kUtCRbj2zjTjghHN/z3V
myC5VZ7xvzC1QNjwEaqckzYo9oGCqODtKNfMM63eSDRmSrUNmH2eLu4+hnKUjCaUzz/FW+y6tJpk
wJOGDEEHnKoYPWG2u7GpTac4h5hzGD14NgtukZ0pzINS7wx3NXyevPRQCObHvsjc7NK7kHzBxG/X
0axV7YMu+uhRupJD7E2c7sgR+XjZIoK1aCqLb7oMOOI1IA3DK0JzWDnSGFuxc21aRvedqg2M
</X509Certificate>
</X509Data>
<KeyValue>
<RSAKeyValue>
<Modulus>
utM0jLt/QOrpN8LqI7m/FdAUuKtlQJvIUvzcjY669Gn7ubDXVsMR1MPPBVgTeZpEuTKtQLhY4Zd8
YSa5wYQWq7/aItV96h6t0y01Kn/wmpB2vNkgQENsFETrObtN1uXfqLymej1ILHknvXGIxta92Alr
KgJEMizl66T3KcK7Nd5fB9KMb5tnNHRePJdp1d8F5RAqj1YLQFKYAIL+XgtUZjt/n4KKQSh4rR2Y
jDmzup+P6fh/
+qD11JDAze9cZ8A9G0s0obKH0MWwLIffFVerVHF
uCwYGDIlK2VO1FF20/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.

signed.

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

6.1.4 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.	Error Code	Error Description
1	CDE0001	Message Id not as per defined format, It should be combination of source + DSCENRREQ + DDMMYYYY+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	IFSCCode is invalid.
12	CDE0012	Number of Signatories can be a minimum of 1 and maximum of 4
13	CDE0013	Digital Signature Start Date or EndDate 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	DBT Scheme Configuration Does Not Exist in PFMS
31	CDE0031	Cancellation request cannot be processed because valid enrollment is not available for this signature.
32	CDE0032	Enrollment Purpose Must be 'PMNT'

S.No.	Error Code	Error Description
33	CDE0033	Debit Bank Name is invalid or 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 Not Before and Not After.
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

6.1.5 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 / DSCEnrolmentAck Rpt / 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></p> <p>DSCENRACKDDMMYYYYNN</p> <p>format, where <Source System Id given by PFMS> stand for four digits Source System Id which is given by PFMS,</p> <p>DSCENRACK stands for DSCEnrolmentAcknowledge</p>

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
					ment, 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.
2	Message Date Time	DSCEnrolmentAck Rpt / GrpHdr/CredTm	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	Data Source	DSCEnrolmentAck Rpt / GrpHdr/Src	Y	Varchar (5)	Since this file is always sent by PFMS the value for this attribute will always contain "PFMS".
4	Destination	DSCEnrolmentAck Rpt / GrpHdr/Dest	Y	Varchar (5)	As allotted by PFMS e.g. Value for Punjab DBT App is '0002'
5	Original Message Id	DSCEnrolmentAck Rpt / OrgnlGrpInfAndsts / OrgnlMsgId	Y	Varchar (25)	Original Message Id received in DSC Enrollment request file
6	Group Status /File Level Status	DSCEnrolmentAck Rpt / OrgnlGrpInfAndsts / Grpsts	Y	Varchar (4)	File Level Status ACCP = Accepted RJCT = Rejected
7	Reject/Failure Reason Code	DSCEnrolmentAck Rpt / OrgnlGrpInfAndsts / GrpstsRsnInf /Rsn/ Cd	Y when Txsts is RJCT	Varchar (10)	This tag will be repeated in case of multiple errors.
8	Reject/Failure Reason Narration	DSCEnrolmentAck Rpt / 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	DSCEnrolmentAck Rpt / OrgnlGrpInfAndsts/OrgnlSigInfoAndsts/Prtry /Cert	Y	Varchar (16)	Digital Certificate Number of the Signatory

S.No.	Fields Name	XML File Tag Name	Mandatory	Data Type	Remarks
10	Thumb Print	DSCEnrolmentAck Rpt / OrgnlGrpInfAndS ts/OrgnlSigInfA ndSts/Prtry /ThumbPrint	Y	Varchar (16)	Thumb Print extracted from user Signature
11	Record Level Status	DSCEnrolmentAck Rpt/ OrgnlGrpInfAndS ts /OrgnlSigInfAnd Sts/TxSts	Y	Varchar (4)	Record Level Status ACCP = Accepted RJCT = Rejected
12	Reject/Failure Reason Code	DSCEnrolmentAck Rpt/ OrgnlGrpInfAndS ts /OrgnlSigInfAnd Sts/ 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	DSCEnrolmentAck Rpt/ OrgnlGrpInfAndS ts /OrgnlSigInfAnd Sts/ 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.

6.1.6 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>

```

7 Agency Limit Allocation by External System

The external system will do limit allocation for Agencies when State Nodal Agency has their own application and they will push the Agency Limit File to PFMS. Similarly, when a Bank's own application is used for doing expenditure and Agency Limit allocation then they will 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 and expenditure limit of their own as per the xml schema mentioned below.

7.1 SFTP Server Folder Details

The table below summarizes the SFTPFolder details:

Data	Source	FTPFolderLocation	Destination	PollingInterval	Folder Permission
LimitAllocationRequest	External System	[CPSMS\<Source SystemId>\LimitAllocationData\ToCPSMS]	CPSMS	As and when new AllocationRequest is initiated	PFMS to have Read, Write & Delete Access on Folder
LimitAllocationAcknowledgement	PFMS	[CPSMS\<Source System Id>\LimitAllocationData\FromCPSMS]	External System	For every AllocationRequest	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 agency and the **Expenditure Limit** is the amount allocated for self-expenditure of the agency. The Limit for Child Agencies is the difference between Total Limit and 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.	FieldsName	XMLFileTag Name	Mandatory	DataTy pe	Remarks
MessageHeader					
1.	UniqueMessage Id	LimitAlocation /CstmrCdtTrfInitn /GrpHdr/MsgId	Y	Varchar(25)	<p>This should be same as the file name without extension of file name. Format should be <SourceSystemIdgiven byPFMS>DBTLIMREQDDMM YYYYNN</p> <p>N format. NN should start 1 with for a particular day and can go up to any value i.e. 0021DBTLIMREQ0504201813</p>
2.	MessageDateTi me	LimitAlocation /CstmrCdtTrfInitn /GrpHdr/CreDtTm	Y	Datetime	It is date and time when the message is generated in source system.
3.	SourceSystemI D	LimitAlocation /CstmrCdtTrfInitn /GrpHdr/Src	Y	Char(5)	This is static code issued by PFMS for each application. Also called Data Source ID alternatively
4.	Destination	LimitAlocation /CstmrCdtTrfInitn /GrpHdr/Dest	Y	Char(5)	Since this file is always sent to PFMS the value for this attribute will always contain "PFMS".
5.	Initiating Party	LimitAlocation /CstmrCdtTrfInitn /GrpHdr/InitgPty/Id	Y	Varchar(50)	Agency Code of Parent agency which is Initiating limit allocation. Details to be taken from PFMS.
6.	Control Sum	LimitAlocation /CstmrCdtTrfInitn /GrpHdr/CtrlSum	Y	Numeric(1 8,2)	Sum of total limit of child agencies.
7.	Number of transaction	LimitAlocation /CstmrCdtTrfInitn /GrpHdr/NoTxts	Y	INT	Count for number of Child agency.
8.	Batch ID	LimitAlocation /CstmrCdtTrfInitn /PmtInf/PmtInfld	Y	Varchar(17)	<p>Format: PNNNNDDMMYY YYXXXX</p> <p>(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.</p> <p>And it should start with 1 for a particular day. E.g. P0021050420181</p>

9.	BatchDate	LimitAlocation /CstmrCdtTrfInitn /PmtInf/PmtInfDt	Y	Date	YYYY-MM-DDformatBatchDate
Below is Repetitive Information for each Child Agency which are part of above-mentioned batch					
10.	Limit allocation ID	LimitAlocation /CstmrCdtTrfInitn /dtTrfTxInf/PmtInf/CdtT rfTxInf/PmtId	Y	Varchar(35)	As generated in the source system. 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.
11.	Scheme code	LimitAlocation /CstmrCdtTrfInitn /CdtTrfTxInf/PmtInf/CdtT rfTxInf/OrgId/SchmeCd	Y	Varchar(25)	Scheme code as allotted by PFMS.Master to be taken from PFMS
12.	Child Agency unique code	LimitAlocation /CstmrCdtTrfInitn /CdtTrfTxInf/PmtInf/CdtT rfTxInf/OrgId/Cd	Y	Varchar(50)	Agency Code of Child agency whose limit is allocating. Details to be taken from PFMS.
13.	District code	LimitAlocation /CstmrCdtTrfInitn /CdtTrfTxInf/PmtInf/CdtT rfTxInf/OrgId/DstCd	Y	Text Max 10	District LGD code
14.	State code	LimitAlocation /CstmrCdtTrfInitn /CdtTrfTxInf/PmtInf/CdtT rfTxInf/OrgId/PrvcCd	Y	Text Max 10	State LGD code.
15.	Financial Year	LimitAlocation /CstmrCdtTrfInitn /PmtInf/ CdtTrfTxInf/FinYr	Y	INT	YYYY format financial year foreg., for FY 2017-2018, 2018 will be considered
16.	Total Limit	LimitAlocation /CstmrCdtTrfInitn /PmtInf/CdtTrfTxInf /LmtAmt	Y	Numeric(18 ,2)	Total Limit of the child agency. Any change in this limit will be captured in subsequent request in (+) and (-) value.
17.	Expenditure Limit	LimitAlocation /CstmrCdtTrfInitn /PmtInf/CdtTrfTxInf/E xpAmt	Y	Numeric(18 ,2)	Expenditure Limit of the child agency. Any change in this limit will be captured in subsequent request in (+) and (-) value. (Ex: if require to increase the limit by 20,000 send (20,000). if require to decrease limit by 25,000 send (- 25,000)).

18.	Allocation for child agency	LimitAlocation /CstmrCdtTrfInitn /PmtInf/CdtTrfTxInf/ChildAgencyAmt	Y	Numeric(18,2)	This is used for limit allocated for child agency.
19.	Dateofallocation	LimitAlocation /CstmrCdtTrfInitn /PmtInf/CdtTrfTxInf/AllocationDt	Y	Date	Date of Limit allocation in External system.
20.	Remarks	LimitAlocation /CstmrCdtTrfInitn /PmtInf/CdtTrfTxInf/Remarks	N	Varchar(200)	If Any
21.	Account Type	LimitAlocation /CstmrCdtTrfInitn /PmtInf/CdtTrfTxInf/AcctTp	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>0021DBTLIMREQ0504201813</MsgId>
    <CreDtTm>2018-08-08T14:07:00</CreDtTm>
    <Src>0021</Src>
    <Dest>PFMS</Dest>
    <InitgPty>
        <Id>2563</Id>
    </InitgPty>
    <CtrlSum>2000</CtrlSum>
    <NoTxts>1</NoTxts>
</GrpHdr>
<PmtInf>
    <PmtInfId>P00120809201845</PmtInfId>
    <PmtInfDt>2018-08-08</PmtInfDt>
    <CdtTrfTxInf>
        <PmtId>
            <EndToEndId>WhN4HZ2806134959</EndToEndId>
        </PmtId>
        <OrgId>
            <SchmeCd>9156</SchmeCd>
            <Cd>2563</Cd>
            <DstCd>12</DstCd>
            <PrvcCd>12</PrvcCd>
        </OrgId>
    </CdtTrfTxInf>
</PmtInf>

```

```

<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>
</CdtTrfTxInf>
</PmtInfl>
</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.	Error Code	Error Description
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
17.	CLA0017	Limit allocation Id should be less than 35 characters

18.	CLA0018	Date of allocation cannot 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	Initial 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 recordLevel 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
MessageHeader					
1.	UniqueMessageId	LimitAllocationAck /CstmrCdtTrfInitnAck/GrpHdr /MsgId	Y	Varchar(25)	This should be same as the filename without extension of filename. Format should be <SourceSystemId given by PFMS>DBTLIMACKDD MMYYYYNN N format. NN should start 1 with for a particular day and can go up to any value i.e. 0021DBTLIMACK05042018 13
2.	MessageDateTime	LimitAllocationAck /CstmrCdtTrfInitnAck/GrpHdr /CreDtTm	Y	Datetime	It is date and time when the message is generated in source system.

3.	DataSource	LimitAlocationAck /CstmrCdtTrfInitnAck/GrpHdr /Src	Y	Char(5)	Since this file is always sent by PFMS the value for this attribute will always contain "PFMS".
4.	Destination	LimitAlocationAck /CstmrCdtTrfInitnAck/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 =AcceptedRJCT= Rejected
6.	Original Message Id	LimitAlocationAck /CstmrCdtTrfInitnAck/GrpHdr /OrgnlGrpInfAndSts/OrgnlMsgId	Y	Varchar(25)	Original Message Id received in Limit allocation Request file
7.	Batch ID	LimitAlocationAck /CstmrCdtTrfInitnAck/GrpHdr /OrgnlGrpInfAndSts/PmtInfId	Y	VarChar(17)	As received from the External System Portal in the Payment file
8.	Batch Date	LimitAlocationAck /CstmrCdtTrfInitnAck/GrpHdr /OrgnlGrpInfAndSts/PmtInfDt	Y	Date	YYYY-MM-DD format Batch Date
9.	GroupErrorCode	LimitAlocationAck /CstmrCdtTrfInitnAck/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 detail will not be provided in the response file Rsn/Cd tag will be repeated for multiple errors under GrpSts Rsn Inf tag.
10.	Group Error Description	LimitAlocationAck /CstmrCdtTrfInitnAck/GrpHdr /OrgnlGrpInfAndSts/GrpStsRsnInf/Rsn/AddtlInf	Y when Rsn/Cd is available	Varchar(50)	Error Description Rsn/ Addtl Inf tag will be repeated for multiple errors under GrpSts Rsn Inf tag.
Below is Repetitive Information for each Child Agency which are part of above-mentioned batch					
11.	LimitAllocationID	LimitAlocationAck /CstmrCdtTrfInitnAck/OrgnlPmtInfAndSts/TxInfAndSts/PmtId/OrgnlEndToEndId	Y	Varchar(35)	Unique Id given by External System Portal

12.	Scheme Code	LimitAlocationAck /CstmrCdtTrfInitnAck/OrgnlPmtInfAndSts/TxInfAndSts/OrgId/SchmeCd	Y	Varchar(25)	Scheme code as allotted by PFMS. Master to be taken from PFMS
13.	Child Agencyuni quecode	LimitAlocationAck /CstmrCdtTrfInitnAck/OrgnlPmtInfAndSts/TxInfAndSts/OrgId/Cd	Y	Varchar(50)	Agency Code of Child agency whoselimitisallocating.
14.	Status	LimitAlocationAck /CstmrCdtTrfInitnAck/OrgnlPmtInfAndSts/TxInfAndSts/TxSts	Y	Varchar(4)	Record Level StatusACCP = Accepted RJCT =Rejected
15.	RejectionReasonCode	LimitAlocationAck /CstmrCdtTrfInitnAck/OrgnlPmtInfAndSts/TxInfAndSts/StsRsnsInfnInf/Rsn	Y whenTxStsisRJCT	Varchar(10)	This tagwill be repeated in case of error if Record Level Status='RJCT'.
16.	RejectionReasonNarration	LimitAlocationAck/CstmrCdtTrfInitnAck/OrgnlPmtInfAndSts/TxInfAndSts/StsRsnsInfnInf/AdtlInf	Y whenRsn/Cdisavailable	Varchar(100)	Reject/FailureReasonNarration

7.6 XML File Structure

Below isthe proposed formatoftheXMLfilesenttoPFMSforLimit AllocationFile

```
<?xml version="1.0"?>
<LimitAlocationAck xmlns="http://pfms.nic.in/LimitAlocationAck">
<CstmrCdtTrfInitnAck>
<GrpHdr>
    <MsgId>0021DBTLIMACK0504201813</MsgId>
    <CreDtTm>2018-08-08T14:07:00</CreDtTm>
    <Src>PFMS</Src>
    <Dest>0021</Dest>
    <OrgnlGrpInfAndSts>
        <GrpSts>RJCT</GrpSts>
        <OrgnlMsgId>0021LIMREQ0504201813</OrgnlMsgId>

        <PmtInfId>P00120809201845</PmtInfId>
        <PmtInfDt>2018-08-08</PmtInfDt>
        <GrpStsRsnInfo>
            <Rsn>
                <Cd></Cd>
                <AddtlInf></AddtlInf>
            </Rsn>
        </GrpStsRsnInfo>
    </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 TSA Assignment Details Shared with External System

This section is applicable for external systems who are dealing with the agencies who are under TSA protocol of PFMS.

PFMS would share the TSA Assignment details with external system. All Assignments issued by Ministry(PAO) to first level AB's or by AB's to next level Sub AB's for a particular scheme for the previous day will be shared with external system on daily Basis. Date of LEN (Limit Execution Notification) receipt with success status will be considered for sharing with External System. The Assignment details would be created and shared at 1:00 hrs the next day. After receiving the assignment details file, ACK and NACK file will be shared by external system with PFMS. If No ACK is received within 48 hrs, PFMS would repush the Assignment file Again to external System. In case NACK is shared by external system, PFMS team will analyse such cases and then accordingly share the assignment file again.

Assignment balance will be current balance (at time of file creation) of the Assignment. The same will be shared with external system.

Scheme and Financial Year wise assignment details will be shared with external system. If an assignment balance is Zero, then PFMS will share the Assignment details to external system for a week from the last update balance date. Subsequently the zero balance assignments will not be shared with external system.

PFMS will push Assignment data only for TSA Enabled Agency Bank Accounts/External Systems and if there is no assignment created for an agency during then no Assignment file will be generated.

8.1 SFTP Server Folder Details

Data	Source	FTPFolderLocation	Destination	PollingInterval	Folder Permission
TSA Assignment Details	PFMS	[PFMS\<Source SystemId>\TSAAssignment\FromPFMS]	External System	Daily once a day	PFMS to have Read and write access on this folder
TSA Assignment Acknowledgement	External System	[PFMS\<Source System Id>\TSAAssignment\ToPFMS]	PFMS	For every Assignment detail Request	PFMS to have Read, Write & Delete. Access on Folder

8.2 Field List for Assignment Details

S.No.	FieldsName	XMLFileTag Name	Mandatory	DataTyp e	Remarks
MessageHeader					
1.	Source	TSAAssignmentLimit/ GrpHdr/Src	Y	Char(5)	Since this file is always sent by PFMS the value for this attribute will always contain "PFMS".
2.	Destination	TSAAssignmentLimit/ GrpHdr/Dest	Y	Char(5)	Since this file is always sent by PFMS the value for this attribute will always contain "External System Code".
3.	Unique Message Id	TSAAssignmentLimit/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>0002TSAASLMTDTLSDDMMYYYYNNNN format, where <Source System Id given by PFMS> stand for four digit Source System Id which is given by PFMS, TSAASMTTLS stands for TSA Assignment Request, DD for day, MM for month, YYYY for year, i.e. the message id can be 0002TSAASLMTTLS25082021
4.	Scheme Code	TSAAssignmentLimit/GrpHdr/ SchmCd/Id	Y	Varchar(25)	Scheme code in which Assignment was issued

S.No.	FieldsName	XMLFileTag Name	Mandatory	Data Type	Remarks
5.	BatchId	TSAAssignmentLimit/GrpHdr/BatchId	Y	Varchar(16)	Format: ASDSDMMYYXXX X (Total 16 characters. AS is fixed for Assignment Limit file. DS refers to the 4 digit Source System Id allotted by PFMS, DDMMYY represent the date and XXXX represent four digit running serial no. First file should have serial no. 0001, 2 nd file 0002 and so on
6.	Financial Year	TSAAssignmentLimit/GrpHdr/FinYr	Y	Char(4)	Financial Year i.e. 2021
7.	Message Date Time	TSAAssignmentLimit/GrpHdr/CreDtTm	Y	Date time	It is date and time when the message is generated in source system with format yyyy-mm-ddThh:mm:ss
Below is Repetitive Information for each Assignment which are part of above-mentioned batch					
8.	Agency ID	TSAAssignmentLimit/Document/ASLMTDtl/AgnInfo/Id	Y	Varchar(50)	Agency ID (unique agency code of PFMS agency) to whom Assignment has been given
9.	Agency Name	TSAAssignmentLimit/Document/ASLMTDtl/AgnInfo/Nm	Y	Varchar(256)	Agency Receiving the Assignment
10.	End to End ID	TSAAssignmentLimit/Document/ASLMTDtl/AgnInfo/ASLMTInfo/EndToEndId	Y	VarChar(13)	PFMS Unique Credit Transaction ID. CPSMS Txn ID
11.	Assignment date	TSAAssignmentLimit/Document/ASLMTDtl/AgnInfo/ASLMTInfo/ASLMTDt	Y	Date	Assignment date YYYY-MM-DD format Batch Date

S.No.	FieldsName	XMLFileTag Name	Mandatory	Data Type	Remarks
12.	Assignment Amount	TSAAssignmentLimit/Document/ASLMTDtl/AgnInfo/ASLMTInfo/ASLMTAmt	Y	Decimal(18,2)	Total Assignment Amount Paisa will be separated by .(dot)
13.	Assignment Balance	TSAAssignmentLimit/Document/ASLMTDtl/AgnInfo/ASLMTInfo/BalanceAmt	Y	Decimal(18,2)	Assignment Balance Amount Paisa will be separated by .(dot)
14.	Account number	TSAAssignmentLimit/Document/ASLMTDtl/AgnInfo/ASLMTInfo/AccId	Y	Varchar(35)	Account Number of Agency receiving the Assignment
15.	Bank Branch	TSAAssignmentLimit/Document/ASLMTDtl/AgnInfo/ASLMTInfo/IFSCCode	Y	Varchar(11)	In this field either of IFSC Code (11 digits)

8.3 XML file Structure

Below is the proposed format of the XML file by PFMS to External System. This sample file fomat

```
<?xml version="1.0"?>
<TSAAssignmentLimit xmlns="http://pfms.nic.in/TSAAssignmentLimit">
<GrpHdr>
<Src>PFMS</Src>
    <Dest>0002</Dest>
    <MsgId>0002TSAASLMTTLS300820211</MsgId>
    <SchmCd>
        <Id>0004</Id>
    </SchmCd>
    <BatchId>AS00023008210001</BatchId>
    <FinYr>2021</FinYr>
    <CreDtTm>2021-08-30T14:07:00</CreDtTm>
</GrpHdr>
<Document>
    <ASLMTDtl>
        <AgnInfo>
            <Id>ICGEB</Id>
            <Nm>International Centre for Genetic Engineering and Biotechnology, New Delhi</Nm>
            <ASLMTInfo>
                <EndToEndId>C062121695281</EndToEndId>
                <ASLMTDt>2021-08-30</ASLMTDt>
                <ASLMTAmt>100000</ASLMTAmt>
                <BalanceAmt>50000</BalanceAmt>
                <AcclId>4573623532534</AcclId>
                <IFSCCode>ICICI767765</IFSCCode>
            </ASLMTInfo>
            <ASLMTInfo>
                <EndToEndId>C062121695282</EndToEndId>
                <ASLMTDt>2021-08-30</ASLMTDt>
                <ASLMTAmt>200000</ASLMTAmt>
                <BalanceAmt>40000</BalanceAmt>
                <AcclId>4573623532533</AcclId>
                <IFSCCode>ICICI767765</IFSCCode>
            </ASLMTInfo>
        </AgnInfo>
        <AgnInfo>
            <Id>CICTAB</Id>
            <Name>Centre for International Cooperation and Training in Agricultural Banking, Pune</Name>
            <ASLMTInfo>
                <EndToEndId>C062121695283</EndToEndId>
                <ASLMTAmt>150000</ASLMTAmt>
                <BalanceAmt>60000</BalanceAmt>
                <ASLMTDt>2021-08-30</ASLMTDt>
                <AcclId>4573623532534</AcclId>
                <IFSCCode>ICICI767765</IFSCCode>
            </ASLMTInfo>
        </AgnInfo>
    </ASLMTDtl>
```

```
</Document>
</TSAAssignmentLimit>
```

8.4 Validation of Assignment Sanction Details File

After receiving the Assignment Sanction details file from PFMS Portal, validations as mentioned below will be applied by the external system. External system must share the Ack/Nack with PFMS with 24 hrs of receipt of Assignment details file

S.No.	ErrorCode	ErrorDescription
1.	ASLMT001	File Naming Convention Validated
2.	ASLMT002	Create Date time cannot be of the future
3.	ASLMT003	File Not readable
4.	ASLMT004	File Not in proper format

8.5 Field List for Assignment Details File Acknowledgement

S.No.	FieldsName	XMLFileTag Name	Mandatory	Data Type	Remarks
MessageHeader					
1.	Source	TSAAssignmentLimitACK /GrpHdr /Src	Y	Char(5)	Since this file is always sent by PFMS the value for this attribute will always contain "External system Code" like '0002'.

2.	Destination	TSAAssignmentLimitACK /GrpHdr /Dest	Y	Char(5)	Since this file is always sent by PFMS the value for this attribute will always contain "PFMS".
3.	Unique Message Id	TSAAssignmentLimitACK /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>ACKTSAASLMTDTLSDDMMYYYYNNNN format, where <Source System Id given by PFMS> stand for four digit Source System Id which is given by PFMS, ACKTSAASLMTDTLS stands for TSA Assignment Request, DD for day, MM for month, YYYY for year, i.e. the message id can be 0002ACKTSAASLMTDTLS25082021
4.	Batch Id	TSAAssignmentLimitACK /GrpHdr /BatchId	Y	Varchar(16)	Batch Ids shared in assignment details file by PFMS
5.	MessageDateTime	TSAAssignmentLimitACK /GrpHdr /CreDtTm	Y	Date time	It is date and time when the message is generated in source system with format yyyy-mm-ddThh:mm:ss
MessageDocument					

6	Status	TSAAssignmentLimitACK/Document/ExtSysEvtNtfctn/EvtInf/EvtCd	Y	Varchar(25)	Value must be “ACCP” in case of ACK. In case of NACK, Rejection reason code to be provided
7	Execution Datetime	TSAAssignmentLimitACK/Document/ExtSysEvtNtfctn/EvtInf/EvtTm	Y	Date time	Execution Date time of Assignment file with format yyyy-mm-ddThh:mm:ss

8.6 XML File Structure

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

```
<?xml version="1.0"?>
<TSAAssignmentLimitACK xmlns="http://pfms.nic.in/TSAAssignmentLimitACK">
<GrpHdr>
<Src>0002</Src>
    <Dest>PFMS</Dest>
    <MsgId>0002ACKTSAASLMTTLS300820211</MsgId>
    <BatchId>AS0002300821001</BatchId>
    <CreDtTm>2021-08-30T14:07:00</CreDtTm>
</GrpHdr>
<Document>
<ExtSysEvtNtfctn>
<EvtInf>
    <EvtCd>ACCP/Rejection reason code</EvtCd>
    <EvtTm>2021-08-30T15:27:30</EvtTm>
</EvtInf>
</ExtSysEvtNtfctn>
</Document>
</TSAAssignmentLimitACK>
```