

## **Technical Committee Report**

Version 1.1

1<sup>st</sup> December, 2010

on

eScroll System

Submitted to

**Central Pension Accounting Office**

Ministry of Finance  
Government of India

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## **1.1. Introduction**

A **Technical Sub Committee on E-Scrolls** was constituted with the following Terms of Reference(TOR) :-

- i) To examine the technical and system interfaces between all the participating agencies i.e., CPAO, RBI, CAS, Nagpur, State Bank of India, Bank of Baroda and Axis Bank and to make recommendations and in this regard.
- ii) To consider in-depth the formats of eScroll as formalized by CPAO and to suggest modifications, if any.
- iii) To examine and recommend security protocols in respect of transmission of data.

**The members of Technical Sub Committee are as under:**

1. Senior Technical Director, NIC, CPAO, New Delhi – Chairperson.
2. Technical Director, NIC, CPAO – Member(s).
3. Nominated IT Officer(s) of State Bank of India – Member(s).
4. Nominated IT Officer(s) of Bank of Baroda – Member(s).
5. Nominated IT Officer(s) of Axis Bank – Member(s).

The Technical Committee has 3 meetings at the office of CPAO, in which members of 3 nominated banks and RBI representatives participated. This report provides a complete description of all the functions and specifications of the system of electronic filing of scrolls, henceforth known as the eScroll System.

The expected audience of this document is the officers and officials of following departments

1. Controller General Accounts, Government of India.
2. Central Pension Accounting Office, Government of India.
3. Reserve Bank of India.
4. State Bank of India.
5. Bank of Baroda.
6. Axis Bank.

## 1.2. Scope

The CPAO is receiving the monthly scrolls as hardcopy. It is very difficult to process the scrolls as hardcopy. This system proposes the electronic receipt of scrolls and generation of MIS reports along with sanction string for the use by Reserve Bank of India, for crediting the bank account.

## 1.3. Glossary

Term	Definition
Html	Hyper text markup language
IEEE	Institute of Electrical and Electronic Engineers
QA	Quality assurance
SDD	Software Design Document
SQAP	Software Quality Assurance Plan
SRS	Software Requirements Specification
GoI	Government of India
RBI	Reserve Bank of India
CGA	Controller General Accounts, GoI
SBI	State Bank of India
BoB	Bank of Baroda
CCP	Central Civil Pensioners
CPAO	Central Pension Accounting Office
MIS	Management Information Systems
CAS	Central Accounts Section
NIC	National Informatics Centre
CPPC	Central Pension Processing Cell
PSB Suspense	Public Sector Bank Suspense
PARAS	Pension Accounting, Retrieval and Authorization System

## 1.4. Document overview

It lists all the functions performed by the system and details of each of the system functions and actions in full for the software developers' assistance.

## 2.0. Overall description

There are some problems encountered in the present system of submission of manual pension payment scrolls. Delayed receipts of scrolls is resulting in :-

- i) Expenditure not being booked in monthly accounts.
- ii) Accumulations of large balances in the Public Sector Bank Suspense.
- iii) Consequent problems and time lags in reconciliation.
- iv) Non validation of pensioners' details in monthly payment scrolls with the database of CPAO.

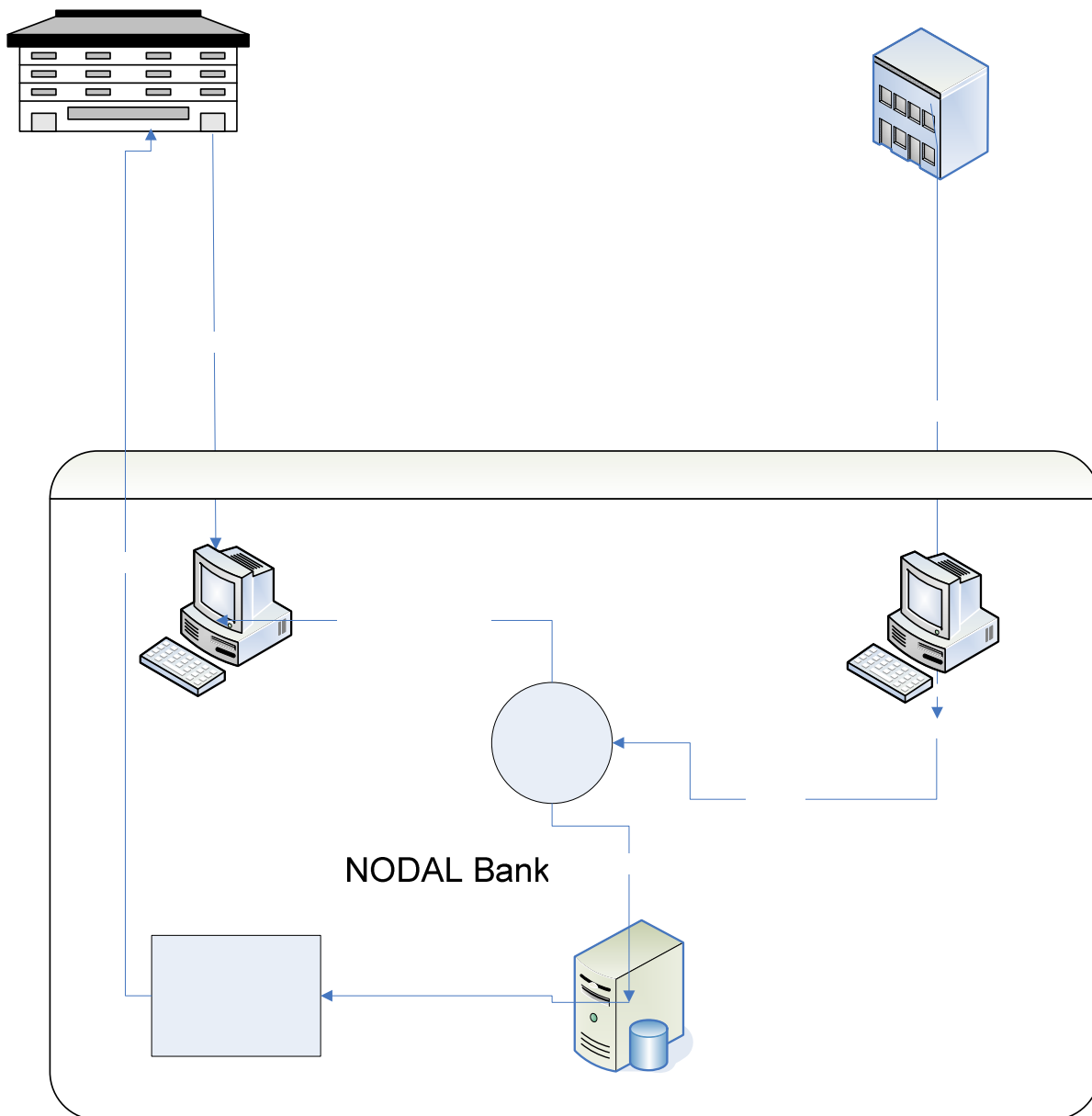


Fig1: Existing System Data Flow Diagram

Send Hard copy of Scroll

Currently scrolls are received as hardcopy from the banks and these are processed by the Compilation section of the CPAO. Under PARAS system a separate module for entering the summary figures of scrolls has been provided. These figures are tallied with the data as received from the RBI and different discrepancy reports are generated based on this data.

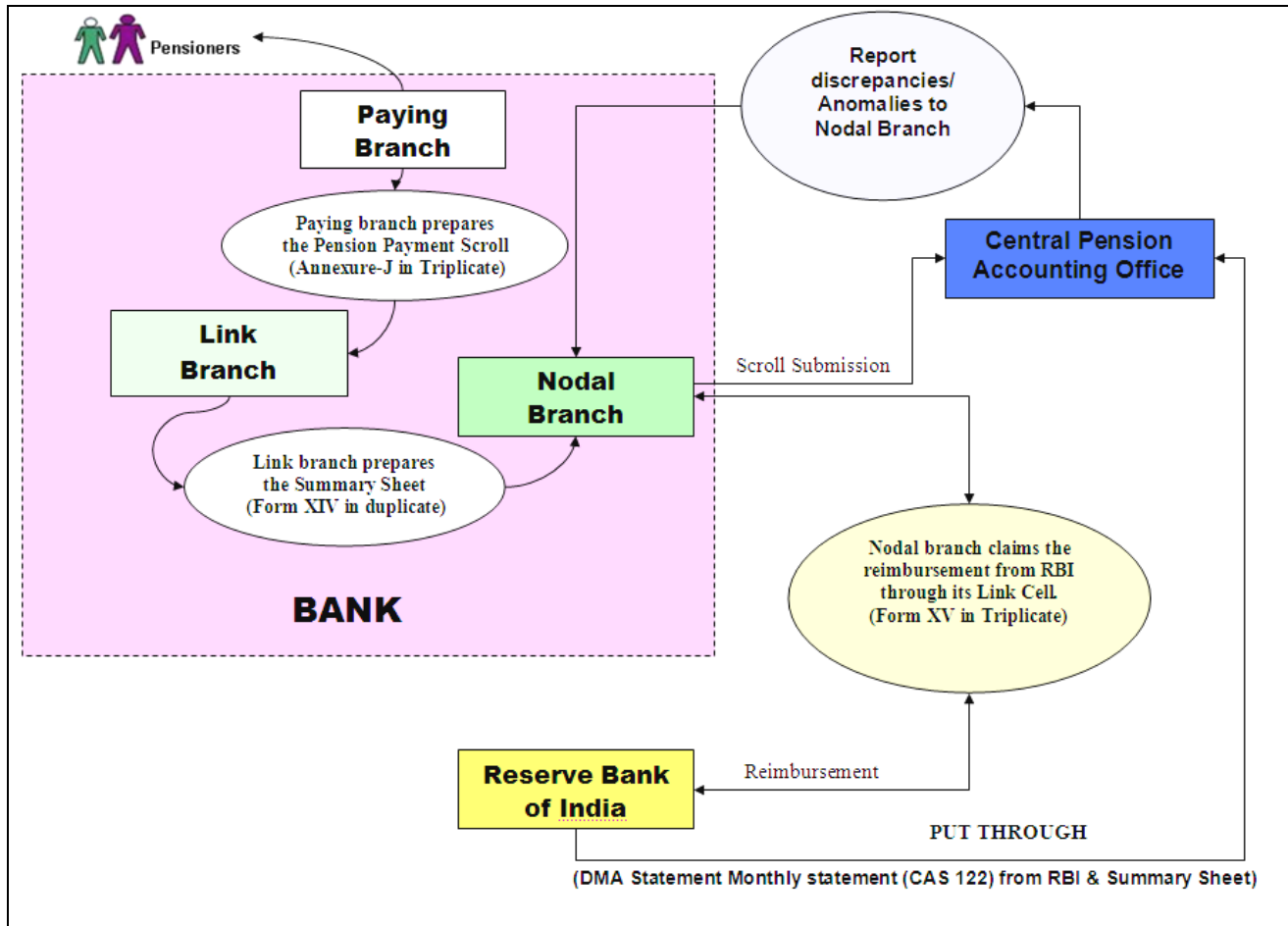


Fig2: Existing System Basic Block Diagram

### 2.1. Shortcomings and Gaps in the existing system

The following gaps and shortcomings have been observed in the existing system

1. Scrolls from the banks are not being received in timely manner. There are instances wherein the scrolls of year 2002 (SBI Nodal Code 0004310 Chennai) are still awaited from the Banks
2. Since the volume of data received in the Scrolls is large, it is not feasible to enter the detailed data in computer.
3. Only the summary figures from the scrolls is taken and veracity of the figures is not checked and neither is this is feasible in the absence of detailed data on computer.

4. Again due to absence of data on computer, the veracity of pensioners' records cannot be checked. Some instances have come wherein the railway or state government pensioners have been found to be paid from the Central Civil Pensioners funds.
5. Pre-audit of the payments is not possible.

## **2.2. Advantages of Introduction of eScroll**

1. Monthly reconciliation of master data, with regard to number of pensioners initially.
2. Recording of change information viz.,
  - a. Status of Pensioner from superannuation to Family Pensioner.
  - b. Death of Pensioner/Family Pensioner.
  - c. Change of Bank/Branch.
3. Updation of CPAO database with respect to master data and change information.
4. Improvement in budgeting and accounting for the Pension Grant.
5. Accurate estimation of the forecasting of the pension budget for which now we rely on trend analysis of expenditure incurred in previous years.
6. 100% reconciliation of expenditure between CPAO, Banks and RBI.

## **2.3. System environment**

CPAO on receipt of electronic scrolls would send an electronic payment string to RBI based on which RBI would reimburse the amounts to the accredited banks. The digitally signed electronic string would flow to RBI, CAS, Nagpur (email IDs: [casagn@rbi.org.in](mailto:casagn@rbi.org.in) & [dailyposition@rbi.org.in](mailto:dailyposition@rbi.org.in)) on T+1 basis (within the cut-off time of 1.30 pm on Monday to Friday and by 12.30 pm on Saturday), so as to ensure that banks do not remain out of funds. . The cut-off time could be extended maximum by an hour only on special cases based on the advance email & telephonic intimation from CPAO.

In the case of mismatch between eScroll and the CPAO database, CPAO would generate discrepancy report and forward the same to the pension disbursing banks. They would then be asked to correct/initiate action upon on the discrepancies within a stipulated time line. Banks need to provide collateral evidence in support of the discrepant items. Updated/Corrected information received from the banks along with documents would be incorporated in the CPAO database. In case the banks were not



able to do so, an “Error Scroll” for reversal of discrepant amount will be generated and send to Bank via email. Based on this error scroll and electronic payment reversal string will be generated and send to RBI, **within the stipulated cut-off time**, to reverse the debit to Government account.

The payment shall be authorized by CPAO to RBI based on electronic strings received from the participating banks on a T+1 basis. The generation of error scrolls containing discrepant items is a secondary activity which shall not be linked to the process of reimbursements being authorized to banks. Further, as and when RBI moves to settlement on a T+ 0 basis, CPAO shall follow suit in respect of pension payments. The proposed process would thus be cleaner, more efficient in terms of system consistency, accounting and budgeting and be cash-neutral for participating banks(in other words funds settlement for them shall remain unaffected).

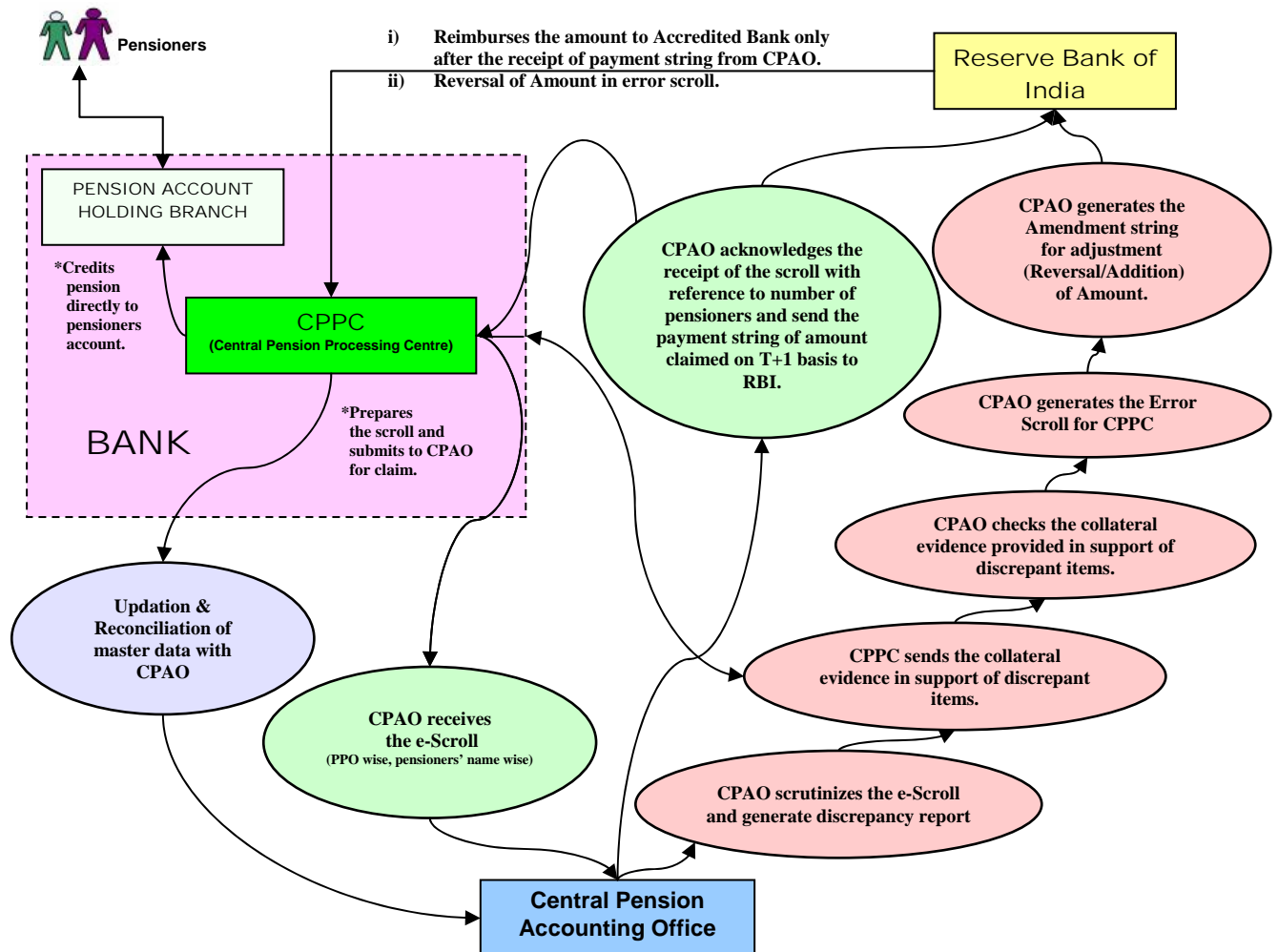


Fig3: eScroll System Basic Block Diagram

### **Stage-I**

1. The banks will send electronic scrolls to CPAO.
2. CPAO will acknowledge the receipt of scrolls and generate a reference no., if the received data is according to prescribed format (Format-A).
3. CPAO will examine the file and subject it to validation for the correctness of the structure of its contents only and on successful will generate the payment string and send the digitally signed string to RBI **within the stipulated cut-off time** for reimbursing the claimed amount to accredited bank. This will happen within T+1, T being the date of submission.
4. RBI will reimburse the amount to the accredited bank on receipt of payment string from CPAO.

### **Stage-II**

1. CPAO will subject the scroll for further validation and will compare it with the database of CPAO and generate a discrepancy report regarding:-
  - a. The pensioners who do not pertain to central civil.
  - b. The cases which do not have 12 digit numeric PPO No.
  - c. The mismatch cases with reference to PPO No., Name etc.
2. The accredited bank shall send the photo copies of PPOs( or other collateral evidence) to CPAO in support of the discrepant items within the specified time limit.
3. Based on the documentary evidence received from banks, CPAO shall:
  - a. Update its database.
  - b. Generate Error Scroll for the remaining discrepant items if any.
  - c. Send the digitally signed reversal string to RBI **within the stipulated cut-off time** for reversal of claimed amount, in respect of discrepant items only.

### **2.4. Functional requirements definitions**

Following are the functional requirements of the software

1. Authenticate the users of the system through secured login and password.
2. Receipt of electronic scrolls in format A (Appendix-A) in a secure manner.
3. Acknowledgement of the electronic scrolls to banks.
4. Apply the initial checks and validations to ascertain the conformity of data to the specified format (Format-A).

5. Generate a initial summary report and error report for the banks
6. Generate payment string in the format (Appendix-B) as required by RBI, from the scroll data as received from the bank.
7. Generate the payment string for all the scrolls received till 1.30pm daily and put all the strings in a single text file.
8. Digitally sign the text file and send it to RBI for crediting the Bank account **within the stipulated cut-off time.**
9. Subject the scroll data to further validations and checks.
10. Generate error scrolls (Appendix- F) and show these to the respective banks, through user name and password.
11. Receive Collateral Evidence in support of discrepant items from the Bank.
12. Check for the correctness of the data and generate debit string for the discrepant items.
13. Send the digitally signed string to the RBI for reversal of credit amount **within the stipulated cut-off time.**
14. Generate MIS reports.
15. Establish a gateway for integration with the PARAS-Compilation Module.

## **2.5. Non-functional requirements**

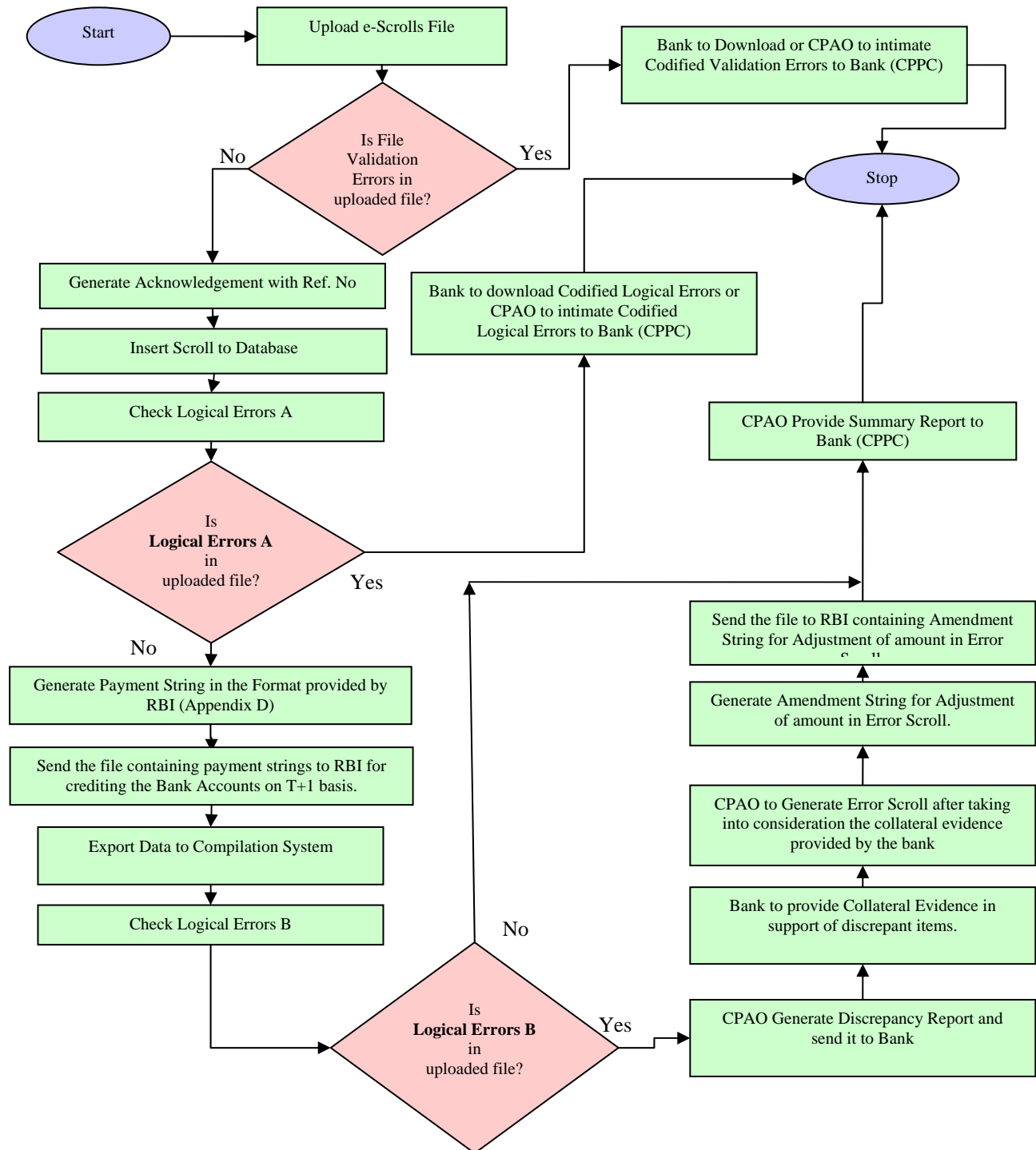
There are requirements that are not functional in nature. Specifically, these are the constraints the system must work within.

1. The interface with banks should be browser based and compatible with IE8, Netscape and Mozilla.
2. The program must be self-contained so that it can easily be moved from one PC to another. It is expected that one of the browsers mentioned above is available on the computer.
3. The computer should be connected with the internet through broadband channel.

4. Printer is available for printing the reports.

### 3.0. Requirements Specification

#### 3.1. Process flow diagram



\* **Validation Errors** is basic error found in an uploaded file which does not conform to prescribed file format for e-scroll submission by Banks.

\* **Logical Errors A** uniqueness check of e-Scroll for field such scroll date, scroll number in uploaded file intimate Bank within 24 hrs.

\* **Logical Errors B** basically scrutinizes the e-Scroll, generates discrepancy report and intimate Bank within a week time.

Fig4: eScroll Process flow chart

### **3.1.1. External Interface Requirements**

Input file formats A (Appendix-A) and F (Appendix-B) are required to be submitted by the banks. CPAO is required to generate the payment string as given by RBI ( Appendix-E)

## **3.2. Functional Requirements**

### **3.2.1. Bank Interface**

1. Login in secure manner
2. Uploading the eScroll file by bank
3. Downloading of File Validation Error of the uploaded file
4. Display status message
5. Downloading of Logical Validation Errors File
6. Discrepancy Report
7. Summary Report

### **3.2.2. RBI Interface**

1. Create a batch of generated payment string
2. Digitally signing of payment string
3. Transmission of payment string to RBI
4. Digitally signing of adjustment string
5. Transmission of adjustment string to RBI for reversal/extra payment.

## 4.0. Appendix

### 4.1. Appendix -A

#### 4.1.1. Electronic Format – A

**Electronic Format for Pension Payment Scroll (Corresponding to Annexure-XII of Scheme Booklet)  
(To be consolidated by CPPC)**

Sr. No.	Field Name	Type	Max. Width (Characters)	Description
1	CPPC Code*	C	7	BSR Code of CPPC
2	SCROLL CATEGORY*	C	1	'1' IF CENTRAL CIVIL GENERAL, '2' IF AIS PENSION '3' GOVERNMENT OF DELHI
3	SCROLL NO*	N	5	Scroll No. (Running Sl. No. For Financial Year).
4	SC DATE*	D	8	Scroll Date (YYYYMMDD).
5	TRANSACTION ID **	C	5	Transaction Identification
6	PENSION ACCOUNT HOLDING BRANCH BSR CODE(Part-I, 7 Digit Code)*	C	7	Pay Branch Code (BSR Code).
7	PENSIONER NAME*	C	70	Pensioner Name
8	PPO NUMBER*	C	12	POST 1990 PPO No. and in case of Pre-1990 12 Digit New PPO no Issued by CPAO
9	OLD PPO NUMBER	C	30	Pre-1990 Old PPO No, not applicable for Post 1990 Cases.
10	ACCOUNT NO.*	C	20	Pensioner's S.B. Account No
11	PENSION CAT *	C	1	Category Of Pension
12	BASIC PENSION APPLICABLE	N	6	Basic Pension Before Commutation
13	PENSION COMMUTED AS PER RECORD	N	7	Amount Of Pension Commuted.
14	ADDITIONAL PENSION PAID	N	7	Additional Pension Paid on Account of Age
15	DEARNESS RELIEF PAID	N	6	Dearness Relief On Basic Pension (11) + Additional Pension (13) =11+13
16	PENSION PAID (After Commutation If Any)	N	6	Basic Pension (11) Where No Commutation And Reduced Pension Otherwise (11-12)
17	PERSONAL PENSION PAID	N	6	Personal Pension
18	DEARNESS PENSION PAID	N	6	Dearness Relief Amount
19	MEDICAL ALLOW PAID	N	5	Medical Allowance
20	INTERIM RELIEF	N	6	Interim Relief

	PAID			
21	COMMUTED VAL PAID	N	8	Commutated Value
22	DATE OF PAYMENT OF COMMUTATION	D	8	Date of Payment of Commutation
23	DIFF COMMUTED VALUE PAID	N	8	Differential Commuted Value
24	DATE OF PAYMENT OF DIFF. COMMUTATION	D	8	Date of Payment of Diff. Commutation
25	DIFF GRATUITY AMOUNT PAID	N	8	Differential Gratuity Amount
26	DATE OF PAYMENT OF DIFF. GRATUITY	D	8	Date of Payment of Differential Gratuity Amount
27	CONSTANT ATTENDANT ALLOWANCE PAID	N	8	Constant Attendant Allowance Paid for disability Pension
28	DA ARREARS	N	8	Arrears Amount
29	OTHER ARREARS	N	8	Other Arrears Amount
30	OTHER PENSION PAID	N	8	Other Pension Payment Paid
31	GROSS PENSION PAID*	N	8	Gross Pension Amount =(14+15+16+17+18+19+20+22+24+26+27+28+29+30)
32	CURRENT YEAR SUPERANNUATION PENSION RECOVERY AMOUNT	N	8	Current Superannuation Pension Recovery Amount
33	CURRENT YEAR FAMILY PENSION RECOVERY AMOUNT	N	8	Current Family Pension Recovery Amount
34	CURRENT YEAR COMMUTATION RECOVERY AMOUNT	N	8	Current Commutation Pension Recovery Amount
35	CURRENT YEAR GRATUITY RECOVERY AMOUNT	N	8	Current Gratuity Amount
36	PREVIOUS YEAR SUPERANNUATION PENSION RECOVERY AMOUNT	N	8	Previous Superannuation Pension Recovery Amount. ***
37	PREVIOUS YEAR FAMILY PENSION RECOVERY AMOUNT	N	8	Previous Family Pension Recovery Amount. ***
38	PREVIOUS YEAR COMMUTATION RECOVERY AMOUNT	N	8	Previous Commutation Pension Recovery Amount. ***



39	PREVIOUS YEAR GRATUITY RECOVERY AMOUNT	N	8	Previous Gratuity Amount. ***
40	INCOME TAX	N	8	Income Tax
41	NET PAID*	N	8	Net Amount Paid=31-(32+33+34+35+36+37+38+39)
42	YEAR MONTH WHEN PAYMENT DUE*	N	6	Year & Month Of Pension Paid (YYYYMM)

**Total Record Size: 395**

\* Data in file should be Pipe ( | ) delimited and records by a line break or end-of-line (EOL) character i.e. Carriage Return/Linefeed (CR/LF)

\*\* . There can be multiple records of same PPO No. in the file, but Transaction ID will be the same for one particular credit to pensioner A/c.

\*\*\* In respect of bifurcation of recovery amount in current and previous financial year, it was agreed upon by the committee members that till such time no bifurcation is available, Banks may show entire amount in the current years recovery column. However, going forward Banks should target to bifurcate the recovery amount as desired by CPAO.

-If there is more than one credit in a pensioner's account then it can be different for each transaction.

## 4.2. Appendix - B

### 4.2.1. Electronic Format - F

#### Electronic Format for Report on Change of Status of pension (To be prepared by CPPC)

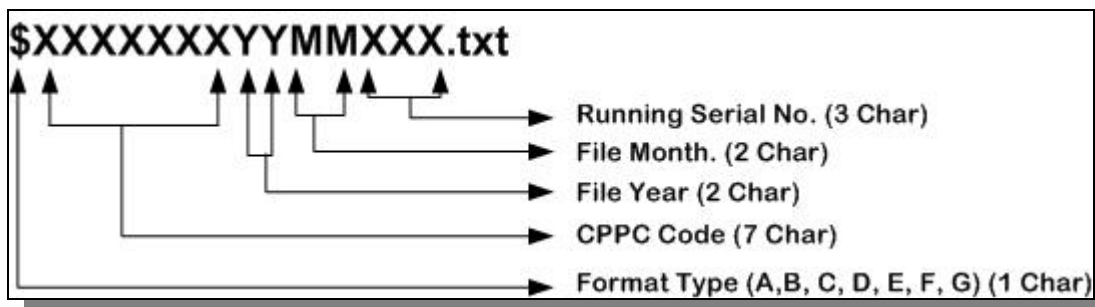
Sr. No.	Field Name	Type	Width (Characters)	Description
1	CPPC Code*	C	7	BSR Code of CPPC
2	REPORT NO*	C	8	Running Sl.NO for Financial Year
3	REPORT DATE*	D	8	Report Date (YYYYMMDD)
4	PENSION ACCOUNT HOLDING BRANCH BSR CODE(Part-I,7 Digit Code)*	C	7	Pay Branch Code (BSR Code).
5	PPO NUMBER*	C	12	POST 1990 PPO No. and in case of Pre-1990 12 Digit New PPO no Issued by CPAO
6	OLD PPO NUMBER	C	30	Pre-1990 Old PPO No, not applicable for Post 1990 Cases
7	PENSIONER NAME*	C	70	Pensioner's Name
8	PEN AC*	C	20	Pensioners Account No
9	PEN CAT ###	C	1	Category of Pension
10	CHANGE CAT ###	C	1	Changed Status of Pension (Refer to Pension Categories, In Case of Discontinuation give S)
11	DATE OF CHANGE *	D	8	Date of Change of Status(YYYYMMDD)
12	CHEQUE NO ##	N	10	Cheque No.
13	CHEQUE DATE ##	D	8	Date on Which Issued(YYYYMMDD)
14	CHEQUE AMT ##	N	12	Cheque Amount
15	COMM AMT	N	12	Total Commutation Amount
16	COMM DATE	D	8	Commutation Start Date(YYYYMMDD)
17	NEW CPPC***	N	7	New CPPC Code
18	NEW PENSION ACCOUNT HOLDING BRANCH BSR CODE(Part-I,7 Digit Code)***	N	7	New Pay Branch Code
19	MONTH YEAR*	N	6	Year and Month (YYYYMM).

**Total Record Size: 242**

### 4.3. Appendix - C

#### 4.3.1. File Naming Conventions

Files containing the required data in ASCII format should be sent to CPAO with following nomenclature.



#### Example:

File sent by SBI CPPC for the month of January 2010 should be like this: **A00000011001001.txt**

Explanation: Here “A” stands for Format-A, “0000001” Is the CPPC code for SBI (State Bank of India), “10” is the file year i.e. in which year the file is being sent, “01” is the file Month i.e. in which month the file is being sent, “001” is running serial number i.e. should change with every file sent.

Note: Running Serial No should be restarted from **001** every new calendar year. Running serial number should be maintained separately for each format type i.e. every calendar year running serial number should start from **001** for each format type.

## **4.4. Appendix – D**

### **4.4.1. Instructions for Filling up Data in the Electronic Format**

1. All data must be in ASCII Format.
2. Data should be represented in delimited file format i.e. pipe (|) should be used to differ between columns (fields).
3. Fields must be in the same order / sequence as described in Electronic formats.
4. All fields must be included even if the value is zero.
5. Directions for giving file names for sending the information are given as above – File Name Nomenclature.
6. SCROLL NO: This is a running serial number for one financial year (April-March) beginning from 1.
7. Scroll Date: Date on which Scroll is made. All dates are to be given as Character field YYYYMMDD format.
8. PPO Number: This would be a 12-digit numeric code as given in SSA. No. space or slashes etc. Should be used in between the digits. For pre-1990 cases, PPO No. New Numeric 12 digit PPO No. issued by CPAO should be used.
9. CPPC Code and Paying Branch Code should be part 1 of BSR Code issued by RBI.
10. Pension Category: This is a single character from ‘A’ to ‘O’ corresponding to a category.
11. If Commutation / Differential Commutation / Gratuity / Differential Gratuity payment is made by bank for a pensioner, this should be reported as a separate record by the paying branch.
12. Each CPPC must send data of all paying branches i.e. only one electronic file for each file format.
13. Maximum file size must not be greater than 30MB.

## 4.5. Appendix – E

### 4.5.1. Payment String Format as Provided by RBI

Agency input file Data Structure: -

Sr. No.	Field Name	Positio	Type	Format	Example
1.	Branch Code	01:08	Alpha-Numeric	Left justified with trailing blanks.	SBI2671
2.	Account/Ministry Code	09:12	Alpha-Numeric	Left justified with trailing blanks.	722,725A
3.	PAO/ZAO/Scheme Code	13:15	Numeric	Right justified with Left padding with zeros.	006,151
4.	Tax/State Code	16:19	Numeric	Right justified with Left padding with zeros.	0020,0001
5.	Transaction Date	20:27	Date	DDMMYYYY	For 07-Oct-07: 07102007
6.	Month & Yr.	28:33	Date	MMYYYY	For Oct-07: 102007
7.	Receipt	34:47	Numeric	Right justified with Left padding with zeros.	For Rs. 520.00: 00000000052000. The last Two digits are for 'Paisa' reporting. For Rs. 520.12: 00000000052012. The last Two digits are for 'Paisa' reporting.
8.	Payment	48:61	Numeric	Right justified with Left padding with zeros.	For Rs. 520.00: 00000000052000. The last Two digits are for 'Paisa' reporting. For Rs. 520.12: 00000000052012. The last Two digits are for 'Paisa' reporting.
9.	Amendment Flag	62:62	Number	0/1 or Blank	For fresh reporting: Leave the field blank. For Receipt amendment: 0 For Payment amendment: 1
10.	Receipt Scroll Number	63:65	Numeric	Right justified with Left padding with zeros.	001,100
11.	Payment Scroll Number	66:68	Numeric	Right justified with Left padding with zeros.	001,100

## 4.6. Appendix- F

### 4.6.1. Proposed Error Scroll Format

Sr. No.	Field Name	Type	Width (Characters)	Description
1	CPPC Code*	C	7	BSR Code of CPPC
2	SCROLL CATEGORY*	C	1	'1' IF CENTRAL CIVIL GENERAL,
				'2' IF AIS PENSION
				'3' GOVERNMENT OF DELHI
3	SCROLL NO*	N	5	Scroll No. (Running Sl. No. For Financial Year).
4	SC DATE*	D	8	Scroll Date (YYYYMMDD).
5	TRANSACTION ID **	C	5	Transaction Identification
6	PENSION ACCOUNT HOLDING BRANCH BSR CODE(Part-I, 7 Digit Code)*	C	7	Pay Branch Code (BSR Code).
7	PENSIONER NAME*	C	70	Pensioner Name
8	PPO NUMBER*	C	12	POST 1990 PPO No. and in case of Pre-1990 12 Digit New PPO no Issued by CPAO
9	OLD PPO NUMBER	C	30	Pre-1990 Old PPO No, not applicable for Post 1990 Cases.
10	ACCOUNT NO.*	C	20	Pensioner's S.B. Account No
11	PENSION CAT *	C	1	Category Of Pension
12	BASIC PENSION APPLICABLE	N	6	Basic Pension Before Commutation
13	PENSION COMMUTED AS PER RECORD	N	7	Amount Of Pension Commuted.
14	ADDITIONAL PENSION PAID	N	7	Additional Pension Paid on Account of Age
15	DEARNESS RELIEF PAID	N	6	Dearness Relief On Basic Pension (11) + Additional Pension (13) =11+13
16	PENSION PAID (After Commutation If Any)	N	6	Basic Pension (11) Where No Commutation And Reduced Pension Otherwise (11-12)
17	PERSONAL PENSION PAID	N	6	Personal Pension
18	DEARNESS PENSION PAID	N	6	Dearness Relief Amount
19	MEDICAL ALLOW PAID	N	5	Medical Allowance
20	INTERIM RELIEF PAID	N	6	Interim Relief
21	COMMUTED VAL PAID	N	8	Commutated Value

22	DATE OF PAYMENT OF COMMUTATION	D	8	Date of Payment of Commutation
23	DIFF COMMUTED VALUE PAID	N	8	Differential Commuted Value
24	DATE OF PAYMENT OF DIFF. COMMUTATION	D	8	Date of Payment of Diff. Commutation
25	DIFF GRATUITY AMOUNT PAID	N	8	Differential Gratuity Amount
26	DATE OF PAYMENT OF DIFF. GRATUITY	D	8	Date of Payment of Differential Gratuity Amount
27	CONSTANT ATTENDANT ALLOWANCE PAID	N	8	Constant Attendant Allowance Paid for disability Pension
28	DA ARREARS	N	8	Arrears Amount
29	OTHER ARREARS	N	8	Other Arrears Amount
30	OTHER PENSION PAID	N	8	Other Pension Payment Paid
31	GROSS PENSION PAID*	N	8	Gross Pension Amount =(14+15+16+17+18+19+20+22+24+26+27+28+29+30)
32	CURRENT YEAR SUPERANNUATION PENSION RECOVERY AMOUNT	N	8	Current Superannuation Pension Recovery Amount
33	CURRENT YEAR FAMILY PENSION RECOVERY AMOUNT	N	8	Current Family Pension Recovery Amount
34	CURRENT YEAR COMMUTATION RECOVERY AMOUNT	N	8	Current Commutation Pension Recovery Amount
35	CURRENT YEAR GRATUITY RECOVERY AMOUNT	N	8	Current Gratuity Amount
36	PREVIOUS YEAR SUPERANNUATION PENSION RECOVERY AMOUNT	N	8	Previous Superannuation Pension Recovery Amount
37	PREVIOUS YEAR FAMILY PENSION RECOVERY AMOUNT	N	8	Previous Family Pension Recovery Amount
38	PREVIOUS YEAR COMMUTATION RECOVERY AMOUNT	N	8	Previous Commutation Pension Recovery Amount

39	PREVIOUS YEAR GRATUITY RECOVERY AMOUNT	N	8	Previous Gratuity Amount
40	INCOME TAX	N	8	Income Tax
41	NET PAID*	N	8	Net Amount Paid=31-(32+33+34+35+36+37+38+39)
42	YEAR MONTH WHEN PAYMENT DUE*	N	6	Year & Month Of Pension Paid (YYYYMM)
43	REF ID OF SCROLL	C	10	Reference Id of Error Scroll
44	REF ID OF ERROR SCROLL	C	10	Reference Id of Error Scroll
45	ERROR CODES	C	1000	Coma Separated Codified Error by CPAO (refer Appendix- H)

**Total Record Size: 1407**

\* Data in file should be Pipe ( | ) delimited and records by a line break or end-of-line (EOL) character i.e. Carriage Return/Linefeed (CR/LF)



## 4.7. Appendix – G

### 4.7.1. Proposed Screen Designs for Banks (CPPC)

#### Upload Escroll File

**STATE BANK OF INDIA, CPPC KOLKATA( 0004473 )**

- Home
- Escroll**
- Upload Scrolls
- Validation Errors
- logical Errors
- Summary Report
- Discrepancy Report
- Error Codes
- MASTER DATA**
- Masterdata Summary Report
- Download Error File
- Summary Report All Files
- GRIEVANCE**
- Pending Grievance
- Upload Grievance
- View / Download Schema
- USER ACCOUNT**
- Change Password
- Logout

Upload Scrolls.

Upload Text File :

**STATE BANK OF INDIA, CPPC KOLKATA( 0004473 )**

- Home
- Escroll**
- Upload Scrolls
- Validation Errors
- logical Errors
- Summary Report
- Discrepancy Report
- Error Codes
- MASTER DATA**
- Masterdata Summary Report
- Download Error File
- Summary Report All Files
- GRIEVANCE**
- Pending Grievance
- Upload Grievance
- View / Download Schema
- USER ACCOUNT**
- Change Password
- Logout

Upload Scrolls.

Upload Text File :

**Validation Errors**

STATE BANK OF INDIA, CPPC KOLKATA( 0004473 )

- Home
- Escroll**
- Upload Scrolls
- Validation Errors
- Logical Errors
- Summary Report
- Discrepancy Report
- Error Codes
- MASTER DATA**
- Masterdata Summary Report
- Download Error File
- Summary Report All Files
- GRIEVANCE**
- Pending Grievance
- Upload Grievance
- View / Download Schema
- USER ACCOUNT**
- Change Password
- Logout

Download Validation Error File in Text File Format with error codes.

Select file corresponding to which you want to download error file : Please select ▾

**Logical Errors**

STATE BANK OF INDIA, CPPC KOLKATA( 0004473 )

- Home
- Escroll**
- Upload Scrolls
- Validation Errors
- logical Errors
- Summary Report
- Discrepancy Report
- Error Codes
- MASTER DATA**
- Mastercata Summary Report
- Download Error File
- Summary Report All Files
- GRIEVANCE**
- Pending Grievance
- Upload Grievance
- View / Download Schema
- USER ACCOUNT**
- Change Password
- Logout

Download Logical Error File in Text File Format with error codes.

Select file corresponding to which you want to download error file : Please select ▾

Please select

Please select

A00044731007053.txt

### Summary Report

STATE BANK OF INDIA, CPPC KOLKATA( 0004473 )															
Data Analysis Report of STATE BANK OF INDIA - CPPC KOLKATA( 0004473 )															
Sl No	CPPC Code	File Name	Upload Date	No Of Records	Month Year Of Scroll	Status	Validation Errors	Insert Scroll To Master	Date Insert Scroll To Master	Logical Errors A	Process Date Of Logical Error A	Date Of Export Data To Compilation System	Date Confirmation To RBI	Logical Errors B	Process Date Of Logical Error B
1	0004473	A00044731007053.bt	27-OCT-10	62	20100817	Accepted	NO	YES	27-OCT-10	YES	27-OCT-10	27-OCT-10	27-OCT-10	NO	27-OCT-10
2	0004473	A00044731007051.bt	27-OCT-10			Accepted	YES	NO	---	NOT PROCESSED	---	---	---	NOT PROCESSED	---

### Error Codes

STATE BANK OF INDIA, CPPC KOLKATA( 0004473 )	
ERROR Codes	
Error Code	Error Description
0201	Length of CPPC Code should not more than 7 characters
0202	Length of Scroll Category should not More than 1 characters
0203	Length of Scroll No should not More than 5 characters
0204	Length of Scroll Date should not More than 8 characters
0205	Length of Pension Account Holding Branch BSR Code should not More than 7 characters
0206	Length of Sl No should not More than 5 characters
0207	Length of Pensioner Name should not More than 70 characters
0208	Length of PPO Number should not More than 12 characters
0209	Length of Old PPO Number should not More than 30 characters
0210	Length of Account Number should not More than 20 characters
0211	Length of Pension Category should not More than 1 characters
0212	Length of Basic Pension should not More than 6 characters
0213	Length of Commuted Pension As Per Record should not More than 7 characters
0214	Length of Additional Pension Paid should not More than 7 characters
0215	Length of Dearness Relief should not More than 6 characters
0216	Length of Pension Paid should not More than 6 characters
0217	Length of Personal Pension Paid should not More than 6 characters
0218	Length of Dearness Pension Paid should not More than 6 characters
0219	Length of Medical Allowance Paid should not More than 5 characters
0220	Length of Interim Relief paid should not More than 6 characters
0221	Length of Commuted value Paid should not More than 8 characters
0222	Length of Date of payment of commutation should not More than 8 characters
0223	Length of Diff Commuted Value Paid should not More than 8 characters
0224	Length of Date Of Payment of Diff. Commutation should not More than 8 characters
0225	Length of Diff. Gratuity Amount Paid should not More than 8 characters

## 4.8. Appendix- H

### 4.8.1 Error Code

S No.	Error Code	Error Description
1	0201	Length of CPPC Code Should not more than 7 characters
2	0202	Length of Scroll Category should not More than 1 characters
3	0203	Length of Scroll No should not More than 5 characters
4	0204	Length of Scroll Date should not More than 8 characters
5	0205	Length of Pension Account Holding Branch BSR Code should not More than 7 characters
6	0206	Length of SI No should not More than 5 characters
7	0207	Length of Pensioner Name should not More than 70 characters
8	0208	Length of PPO Number should not More than 12 characters
9	0209	Length of Old PPO Number should not More than 30 characters
10	0210	Length of Account Number should not More than 20 characters
11	0211	Length of Pension Category should not More than 1 characters
12	0212	Length of Basic Pension should not More than 6 characters
13	0213	Length of Commuted Pension As Per Record should not More than 7 characters
14	0214	Length of Additional Pension Paid should not More than 7 characters
15	0215	Length of Dearness Relief should not More than 6 characters
16	0216	Length of Pension Paid should not More than 6 characters
17	0217	Length of Personal Pension Paid should not More than 6 characters
18	0218	Length of Dearness Pension Paid should not More than 6 characters
19	0219	Length of Medical Allowance Paid should not More than 5 characters
20	0220	Length of Interim Relief paid should not More than 6 characters
21	0221	Length of Commuted value Paid should not More than 8 characters
22	0222	Length of Date of payment of commutation should not More than 8 characters
23	0223	Length of Diff Commuted Value Paid should not More than 8 characters
24	0224	Length of Date Of Payment of Diff. Commutation should not More than 8 characters
25	0225	Length of Diff. Gratuity Amount Paid should not More than 8 characters
26	0226	Length of Date of Payment Of Diff. Gratuity should not More than 8 characters
27	0227	Length of Constant Attendant Allowance Paid should not More than 8 characters
28	0228	Length of DA Arrears should not More than 8 characters
29	0229	Length of Other Arrears should not More than 8 characters
30	0230	Length of Other Pension Paid should not More than 8 characters
31	0231	Length of Gross Pension Paid should not More than 8 characters
32	0232	Length of Recovery Amount1 should not More than 8 characters
33	0233	Length of type of Recovery Amount1 should not More than 1 characters
34	0234	Length of Recovery Amount2 should not More than 8 characters
35	0235	Length of type of Recovery Amount2 should not More than 1 characters
36	0236	Length of Income tax should not More than 8 characters
37	0237	Length of Net Paid should not More than 8 characters
38	0101	Length of CPPC Code should not be null or blank
39	0102	Length of Scroll Category should not be null or blank
40	0103	Length of Scroll No should not be null or blank
41	0104	Length of Scroll Date should not be null or blank

42	0105	Length of Pension Account Holding Branch BSR Code should not be null or blank
43	0106	Length of SL No should not be null or blank
44	0107	Length of Pensioner Name should not be null or blank
45	0108	Length of PPO number should not be null or blank
46	0110	Length of Account No should not be null or blank
47	0111	Length of Pension Category should not be null or blank
48	0137	Net Paid should not be blank or zero
49	0301	Length of CPPC Code Must be 7 characters
50	0304	Length of Scroll Date Must be 8 characters
51	0337	Value of Net Paid must be greater than one
52	0300	Errors in records
53	0131	Gross Pension Paid should not be blank or zero
54	0331	Value of Gross Pension Paid must be greater than one
55	0401	PPO Number not found
56	0402	Duplicate PPO found in the eScroll File
57	0403	Scroll Date is not same for all the records in the e-Scroll file
58	0238	Length of Year month when payment due should not More than 6 characters
59	0338	Length of Year month when payment due Must be 6 characters
60	0138	Year month when payment due should not be null or blank

## 4.9. Appendix- I

### 4.9.1 Time Line Constraints for various process in eScroll System

S No.	Process	Time Line
1	Uploading of eScroll By Bank (CPPC)	Up to 11:00 Hrs any working day
2	File Validation Check by CPAO	T+1
3	eScroll Logical Validation-A Check by CPAO	T+1
4	CPAO send the payment string of amount claimed to RBI	T+1 (Up to 01:30 pm on Monday to Friday and 12.30 pm on Saturday)
5	eScroll Logical Validation-B Check by CPAO	T+7
6	Generation of Error Scroll and intimation to Bank	T+7
7	Bank (CPPC) sends the collateral evidence in support of discrepant items.	T+7+time given
8	CPAO send the Amendment string for adjustment of amount of concerned Bank (CPPC) to RBI	T+7+time given+7 (Up to 01:30 pm on Monday to Friday and 12.30 pm on Saturday)

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