

Statutory Bank Branch Audit under CBS Environment

Hosted by Rajkot Branch of WIRC of ICAI

29th March, 2026

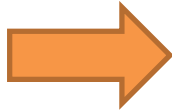
Presented by CA. Kuntal P. Shah, Ahmedabad

Disclaimers

- These are my personal views and can not be construed to be the views of the ICAI, Regional Councils and Branches / Study Circle of ICAI or Pradip R. Shah & Co., Chartered Accountants
- These views do not and shall not be considered as professional advice.
- Images, Screen Shots, Menu Codes, Software Name etc. are the property of respective Software developer / Trademark owners.
- The information contained in the presentation is not for commercial purpose. It is merely for guidance.
- This presentation should not be reproduced in part or in whole, in any manner or form, without our written permission.

Table of Contents

- **Basics of Core Banking System & Architecture**
- Controls in Core Banking System
- Audit activity through CBS (LFAR)
- Automated Asset Classification (RBI Guidelines)
- Important CBS Parameters for NPA Identification
- Case Studies



Basics of Core Banking Systems

- Centralized Database
- Transactions take place at various locations
- Updation of Central Database on Real Time Basis
- Report Generation at Back-End
- Predefined Access Control

Core Banking System Architecture

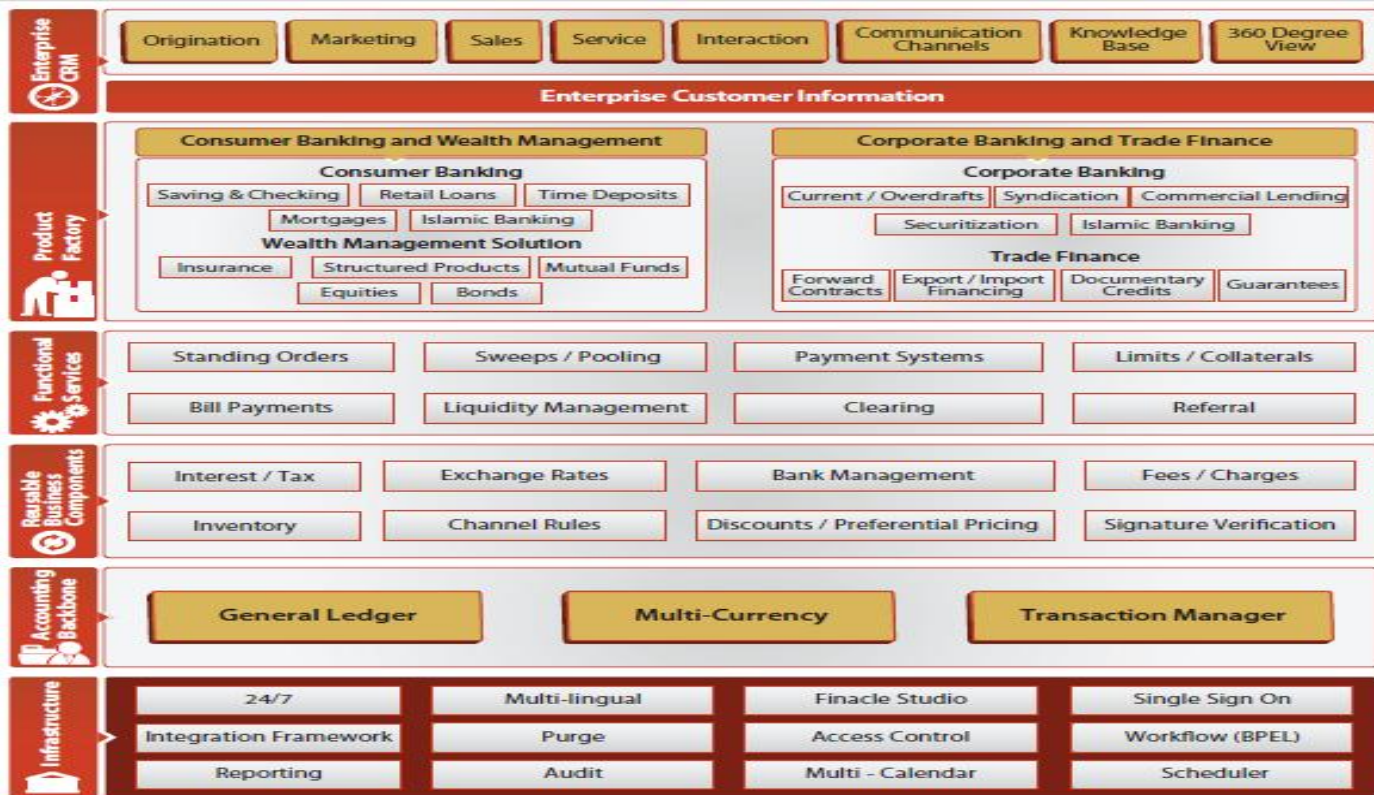


Table of Contents

- Basics of Core Banking System & Architecture
- **Controls in Core Banking System**
- Audit activity through CBS (LFAR)
- Automated Asset Classification (RBI Guidelines)
- Important CBS Parameters for NPA Identification
- Case Studies

Controls in Core Banking System

- Authorization of a transaction as per Delegation Authority
- Data Input (Validation) Controls
- Accessibility in Software Areas as per Employee Grade / Powers
- Product Level Controls
 - Prefixed Financial Parameters (Like Interest Rate, Penal Interest Rates)
 - Fixed Tenure (Pre-defined terms Fixed Deposits / Service Types (Principal and Interest Repayment Type and Periodicity))
 - Tax and Regulatory compliances
- Controlled Error Handling through Warning, Exception and Error

Concepts in Core Banking System

- Customer Masters and Account Masters
- SOL ID & Set ID, Branch Code
- Pointing Type / Self Reconciling Accounts
- Interest Table Master
- General Ledger (GL -> Subhead -> Scheme -> Accounts)

Concepts in Core Banking System

- Limit Setup**

Facility Type	Particulars	Limit	Remarks
Funded	Term Loan	225	Funded Limit Cap is 500 Upper Limits fixed in each type of Facility
	WCDL	75	
	CC	200	
	BP / FBP / BD	50	
Total Funded Facilities		500	
Non-Funded	LC	300	Non Funded capping is at Rs. 500
	BG	300	
Total Non-Funded Facilities		500	
Total Company Exposure		1000	Total Exposure to Company should not exceed 1,000

Prominent CBS in India and world over

Package	Provider
Finacle	Edgeverve Systems (Infosys)
FLEXCUBE	Oracle Financial Services Software, (By iflex)
TCS BaNCS	Tata Consultancy Services (TCS)
Alnova Financial Solutions	Accenture / Alnova
SAP Banking Services	SAP AG

Table of Contents

- Basics of Core Banking System & Architecture
- Controls in Core Banking System
- **Audit activity through CBS (LFAR)**
- Automated Asset Classification (RBI Guidelines)
- Important CBS Parameters for NPA Identification
- Case Studies

LFAR – Assets – Cash (1)

1.(b). Have the cash balances at the branch / ATMs been checked at periodic intervals as per the procedure prescribed by the controlling authorities

- **Suggested Audit checkpoints:**

- Cash Balances as on the date of verification
- Whether Balances as appearing in CBS agree with the balance as mentioned in the periodic review

LFAR – Assets – Cash (1)

- **System Support:**

CBS	Menu Code / Flow
Finacle (7)	ACLI - Account Ledger Inquiry (Vault A/c and Teller Accounts)
Finacle (10)	HACLI, HACLINQ
Bancs	➔ Reports ➔ Cash Related ➔ View Cash Summary (Click on Fetch) ➔ Branch Reports ➔ Cash Officer's Jotting Book Report ➔ Reports ➔ Printing Reports ➔ Cashier / Teller Cash Report
Flexcube	GLM02 - Chart of Accounts GLM04 - GL Transactions and Movement Inquiry EGDLIN - GL Book Dated Balance Detailed EGDGLVDB - General Ledger Value Dated Balances

1.(c)(i). Does the branch generally maintain / carry cash balances, which vary significantly from the limits fixed by the controlling authorities of the bank?

- **Suggested Audit checkpoints:**

- Review of Cash Balances vis-à-vis limit fixed by the controlling authorities.

LFAR – Assets – Cash (2)

- **System Support:**

CBS	Menu Code / Flow
Finacle (7)	ACLI - Account Ledger Inquiry (Vault A/c and Teller Accounts) <i>Refer reports generated (if any) by Bank for datewise balance of GL Accounts</i>
Finacle (10)	HACLI, HACLINQ
Bancs	➔ Reports ➔ Cash Related ➔ View Cash Summary (Click on Fetch) ➔ Reports ➔ Printing Reports ➔ Cashier / Teller Cash Report
Flexcube	GLM02 - Chart of Accounts EGDLINE - GL Book Dated Balance Detailed EGDGLVDB - General Ledger Value Dated Balances

LFAR – Assets – Cash (3)

1.(c)(ii). Does the figure of the balance in the branch books in respect of cash with its ATM(s) tally with the amounts of balances with the respective ATMs, based on the year end scrolls generated by the ATMs? If there is any difference, same should be reported.

- **Suggested Audit checkpoints:**

- Review the Cash Balance and ATM Balance as per GL on the date of verification.
- Whether Cash Shortage is parked in any office account and the entry is not reversed till the date of verification?

LFAR – Assets – Cash (3)

- **System Support:**

CBS	Menu Code / Flow
Finacle (7)	ACLI - Account Ledger Inquiry (Vault A/c and Teller Accounts)
Finacle (10)	HACLI, HACLINQ
Bancs	➔ Reports ➔ Cash Related ➔ View Cash Summary (Click on Fetch) ➔ Branch Reports ➔ Cash Officer's Jotting Book Report ➔ Reports ➔ Printing Reports ➔ Cashier / Teller Cash Report
Flexcube	GLM02 - Chart of Accounts GLM04 - GL Transactions and Movement Inquiry EGDLIN - GL Book Dated Balance Detailed EGDGLVDB - General Ledger Value Dated Balances

LFAR – Assets – Balance with RBI / SBI etc (1)

2(a). Were balance confirmation certificates obtained in respect of outstanding balances as at the year-end and whether the aforesaid balances have been reconciled? The nature and extent of differences should be reported.

- **Suggested Audit checkpoints:**
 - Review the Balance as per Balance Certificate and as per Mirror Account / GL.

LFAR – Assets – Balance with RBI / SBI etc (1)

- **System Support:**

CBS	Menu Code / Flow
Finacle (7)	ACLI - Account Ledger Inquiry (Vault A/c and Teller Accounts)
Finacle (10)	HACLI, HACLINQ
Bancs	➔ Branch Accounting (BGL) ➔ Enquire ➔ Transaction
Flexcube	GLM02 - Chart of Accounts EGDLINE - GL Book Dated Balance Detailed EGDGLVDB - General Ledger Value Dated Balances

LFAR – Assets – Advances (1)

5(i) – General Instructions - Review of Large Advances (O/s amount is > 10% of O/s aggregate balance of Fund based and Non-fund based advances of the branch or Rs. 10 crores, whichever is less.)

- **Suggested Audit checkpoints:**

- Obtain Report on all advances before commencement of audit.
- The explanation in LFAR contains reference to Fund Based as well as Non Fund Based limit. Hence, report (including NFB Limits) is required.
- Cross check the total advances as per Report obtained. Match it with Total Advance as per Balance Sheet.
- Ascertain the Total Advances (FB + NFB) as per GL / Balance Sheet as on Balance Sheet Date
- Select the Customers qualifying for the limit of 10% / 10 Cr. Based on the above report / computation

LFAR – Assets – Advances (1)

- **System Support:**

CBS	Menu Code / Flow
Finacle	The data would be available in different report formats designed differently by each bank. The reports in certain cases are available within CBS wherein in certain cases the reports are accessible through Intranet. Need to work based on the report generated by Branch / Bank. Important: Obtain Fund Based and Non Fund Based reports.
Bancs	
Flexcube	

LFAR – Assets – Advances (2)

5.b.(i) – Credit Appraisal – Renewal of Limits and Enhancement of Limits

- **Suggested Audit checkpoints:**

- Whether Renewal is carried out within prescribed timelimit? Whether the date of Renewal is updated in CBS?
- Whether Enhancement of Limit is backed by documentation and sanction?
- Whether Enhancement of Limit as per CBS agree with documentation available

LFAR – Assets – Advances (2)

- **System Support (Renewal of Limit):**

CBS	Menu Code / Flow
Finacle (7)	ACI / ACM - Account Master
Finacle (10)	HACM / HACI - Account Master
Bancs	Deposit / CC / OD Accounts & Services DL/TL Account and Services Menu (Enquiry)
Flexcube	BA095 (Account level attributes Inquiry) CHM07 (OD Limit Master Maintenance) – Limit Details

LFAR – Assets – Advances (2)

- **System Support (Changes in Limit – Limit History):**

CBS	Menu Code / Flow
Finacle (7)	ACLHM (Account Limit History Maintenance)
Finacle (10)	HACLHM (Account Limit History Maintenance)
Bancs	Deposit / CC / OD Accounts & Services → Enquiries → Interest Rate History → Select 'Limit history' from drop down menu
Flexcube	CH409 (OD Limit History Report) CHM07 (OD Limit Master Maintenance) – Limit Details

LFAR – Assets – Advances (3)

5.b.(ii) – Quick Mortality (NPA within 12 months of sanction)

- **Suggested Audit checkpoints:**

- Obtain List of NPA Accounts.
- Obtain report containing List of all Advances Accounts with Date of Sanction and Disbursement.
- Review Accounts identified as NPA in year under review.
- Use CBS functionality of Account Master verification for Sanction and Disbursement Date
- Alternatively, Account Statement for transactions can also be reviewed.

LFAR – Assets – Advances (3)

- **System Support :**

CBS	Menu Code / Flow
Finacle (7)	ACI / ACM - Account Master
Finacle (10)	HACM / HACI - Account Master
Bancs	Deposit / CC / OD Accounts & Services DL/TL Account and Services Menu (Enquiry)
Flexcube	BA095 (Account level attributes Inquiry) CHM07 (OD Limit Master Maintenance) – Limit Details

LFAR – Assets – Advances (4)

5.b.(iii) – Correctness of Interest Rate fed into the system

- **Suggested Audit checkpoints:**

- Seek report containing Interest Rate Parameters information for each Advance Account. In case of unavailability, following alternative process.
- Obtain Report containing all Advances Accounts as on 31.03.20XX
- Use Interest Parameters and Interest change history information related menu codes in CBS.
- Review the same with Sanction Letter (including amendments if any)

Interest Parameters

LFAR – Assets – Advances (4)

- **System Support :**

CBS	Menu Code / Flow
Finacle (7)	ACM / ACI – Account Master – Current Rate INTTM – Interest Table Master Maintenance (Under Inquire Mode – Account Specific)
Finacle (10)	HINTTM / HINTTI
Bancs	Deposit / CC / OD Accounts & Services → Interest Rate History DL/TL Accounts & Services → Interest Rate History
Flexcube	LN022 (Interest Calculation Inquiry) LN608 (Interest Charges Report) LN801 (Loan Interest Report)

Various Interest Parameters

Back

- Interest Table
 - Debit Interest Rate & Credit Interest Rate
 - Interest Version
 - Currency
 - Limit Level Interest
 - Penal Interest
- Interest Rate (Static & Based on Ref. Rate)
- Customer Preferential (Dr. Interest) [(+)ve / (-) ve rate]
- Customer Preferential (Cr. Interest) [(+)ve / (-) ve rate]

LFAR – Assets – Advances (5)

5.b.(iv) – Periodical review of Interest Rate linked to MCLR / EBLR

- Suggested Audit checkpoints:
 - Compile datewise change in MCLR / EBLR during the year.
 - Review Interest Master details from CBS
 - Review Interest Rate Change History through CBS
 - Alternatively, Generate Interest Report for entire period and review the different rate of Interest applied in Account. (***Accountwise Review***)

LFAR – Assets – Advances (5)

- **System Support:**

CBS	Menu Code / Flow
Finacle (7)	INTTM – Interest Table Master Maintenance (Account Specific) AINTRPT – Account Interest Report
Finacle (10)	HINTTM / HINTTI and HAINTRPT, HINTPRF (Interest Proof Report)
Bancs	Deposit / CC / OD Accounts & Services → Interest Rate History DL/TL Accounts & Services → Interest Rate History Product Sheets (For Detailed computation of Interest)
Flexcube	LN022 (Interest Calculation Inquiry) LN608 (Interest Charges Report) LN801 (Loan Interest Report)

LFAR – Assets – Advances (6)

5.b.(v) – Frequent Renewal / Roll over of Short Term Loans

- **Suggested Audit checkpoints:**

- Each bank has different set of processes to review / renew loans and updation thereof in CBS.
- Understand the process followed in CBS by Bank.
- Obtain reports of Review / Renewals during the year.
- Alternatively the report of all advances at the beginning of year and end of year will also be useful in identifying changes in Limit Expiry.
- In case of operative accounts, the renewal would also have entry in Drawing Power Limits under SL/DP History.

LFAR – Assets – Advances (6)

- **System Support:**

CBS	Menu Code / Flow
Finacle (7)	ACLHM - Account Limit History Maintenance for DP & SL ACM / ACI – Account Master LTL – Limit Tree Lookup (Tree view of all Limits)
Finacle (10)	HACLHM – Account Limit History HLTL, HLMTREEI – Limit Tree Lookup
Bancs	DL/TL Accounts & Services → Enquiries → Account Deposit / CC / OD Accounts & Services → Enquiries → Deposit / CC / OD Account (<i>Short & Long Inquiry</i>)
Flexcube	CHM07 (OD Limit Master Maintenance) CH409 (OD Limit History Report)

LFAR – Assets – Advances (7)

5.b.(vi) – Correctness of Credit Rating fed into the system

- **Suggested Audit checkpoints:**

- Understand the process of updation of credit rating information in CBS.
- Whether Credit Rating is updated in CBS or directly in external system
- Ascertain correctness of Credit Rating as per latest Credit Rating Report.
- Obtain list of Accounts wherein External Credit Rating is mandatory.
- Identify cases wherein Credit Score is poor and have been marked as Unrated
- Is there is any manual intervention i.e. updation of credit rating directly in Capital Adequacy computation software

LFAR – Assets – Advances (7)

- **System Support:**

CBS	Menu Code / Flow
Finacle (7)	CUMM / CUMI – Customer Master Maintenance
Finacle (10)	CRM - Customer Master Module
Bancs	Customer Management Menu
Flexcube	CIM09 (Cust. Master Maint.), 7004 (Name & Add. Inquiry)

LFAR – Assets – Advances (8)

5.c.(iii) – Loan for Buyback of Shares by Companies

- **Suggested Audit checkpoints:**

- Carve out the Corporate Borrowers out of total advances report.
- Review Financial Statements of the Corporate Borrowers.
- Review the Search Report obtained from CS.
- Review Company Master data from MCA Website for any change post to Fin. Statement on record.
- Review communication file with Bank seeking permission for change in capital structure.
- In case of buyback transaction, review account statement for utilization of CC / OD Limit, Term Loan proceeds for the same.

LFAR – Assets – Advances (8)

- **System Support:**

CBS	Menu Code / Flow
Finacle (7)	There is no menu codes / details available in CBS for the said audit area. External information as well as internal communication with borrower to be reviewed.
Finacle (10)	
Bancs	
Flexcube	

LFAR – Assets – Advances (9)

5.d.(iii) – Advances against lien of deposits have been granted without marking a lien on the bank's deposit receipts and the related accounts in accordance with the guidelines of the controlling authorities of the bank

- **Suggested Audit checkpoints:**

- Review of Lien Master
- Review of available balance in Fixed Deposit Account (Post Lien marking)
- Changes in Lien

LFAR – Assets – Advances (9)

- **System Support:**

CBS	Menu Code / Flow
Finacle (7)	ALM (Account Lien Maintenance)
Finacle (10)	HALM (Account Lien Maintenance)
Bancs	DL/TL Accounts & Services → Security (Primary / Collateral) → Customer → Enquiry → Enquire Security Summary
Flexcube	TDM24 (Lien Master)

LFAR – Assets – Advances (10)

5.e.(ii) – Stock and Book Debt Statements and DP Computation

- **Suggested Audit checkpoints:**

- Review policy of bank to compute DP (w.r.t. How the paid stock is arrived at). Whether Creditors amount is reduced from Stock or reduced only to the extent of value in excess of creditors ascertained at the time of Credit assessment
- Prepare a template in spreadsheet and re-compute the amount.
- In CBS the DP is computed / updated in multiple ways. In certain cases, the CBS derives the DP using Margin percentage fed in and Value of Security updated. In such case review the information from the Security related menu codes from CBS.

LFAR – Assets – Advances (10)

- **System Support:**

CBS	Menu Code / Flow
Finacle (7)	SRM (Security Register Maintenance) CLL (Collateral Maintenance) HCLM (Collateral Maintenance)
Finacle (10)	HSCLM (Collateral Maintenance)
Bancs	DL/TL Accounts & Services → Security (Primary / Collateral) → Customer → Enquiry → Enquire Security Summary
Flexcube	CH066 (Limit Collateral Inquiry) CHM06 (OD Collateral Maintenance) BA433 (Collateral to Account) & BA434 (Account to Collateral) BAM46 (Collateral Propagation / updation in Security Value)

LFAR – Assets – Advances (11)

5.e.(vi) – Deterioration in value of Security

- **Suggested Audit checkpoints:**
 - Review security valuation reports.
 - Review correctness in updation of Security Value in CBS
 - Review History of changes in Security Value from CBS
 - Whether CBS is configured to identify and mark the account as NPA basis significant deterioration in Value of Security as per IRAC?

LFAR – Assets – Advances (11)

- **System Support:**

CBS	Menu Code / Flow
Finacle (7)	SRM (Security Register Maintenance) CLL (Collateral Maintenance) HCLM (Collateral Maintenance)
Finacle (10)	HSCLM (Collateral Maintenance)
Bancs	DL/TL Accounts & Services → Security (Primary / Collateral) → Customer → Enquiry → Enquire Security Summary
Flexcube	CH066 (Limit Collateral Inquiry) CHM06 (OD Collateral Maintenance) BA433 (Collateral to Account) & BA434 (Account to Collateral) BAM46 (Collateral Propagation / updation in Security Value)

LFAR – Assets – Advances (12)

5.e.(vii) – Frequent / unauthorized Overdrawing

- **Suggested Audit checkpoints:**

- Utilization of limit beyond Sanctioned limit
 - Adhoc Limit,
 - Temporary Overdraft (TOD),
 - Erroneous entry,
 - Manipulation through Office Account
- Review of Number (Days) of TOD and Adhoc Limits instances
- Check for cases of multiple / overlapping in TOD & Adhoc limits

LFAR – Assets – Advances (12)

- **System Support:**

CBS	Menu Code / Flow
Finacle (7)	ACTODM / ACTODI (Account TOD Maintenance) ACLHM (Account Limit History Maintenance) TODRP (TOD Register Printing)
Finacle (10)	HACTODI (Account TOD Inquiry) HTODRP (TOD Register Printing)
Bancs	Deposit / CC / OD Accounts & Services → Enquiries → Interest Rate History → Select 'Limit history' from drop down menu
Flexcube	CHM07 (OD Limit Master Maintenance) CH226 (Adhoc List of Overdue CASA Accounts)

LFAR – Assets – Advances (13)

5.f.(i)(a) Has the branch identified and classified advances into standard / substandard / doubtful / loss assets through the computer system, without manual intervention?

5.f.(ii)(b) Is this identification & classification in line with the norms prescribed by the Reserve Bank of India

- **Suggested Audit checkpoints:**

- Most challenging part of the Audit Process – Ascertaining automation of IRAC guidelines
- Different set of processes followed by banks.
- Whether Manual Intervention is permissible at branch level? If so to what extent? Obtain confirmation through MR Letter

LFAR – Assets – Advances (13)

- Impact of Manual Intervention (Advances):**

Manual Entry	Probable impact
Interest Rate change	Revenue Leakage / Excess collection of Interest
Change in EMI	Revenue Leakage, NPA Identification
Processing of transactions against un- cleared outward clearing effect	Recovery from customer in case of cheque return
Backdated Renewal Date updation (Updating Date of Renewal on running date with past date)	NPA Identification
Change in Limit – From Non Fund Base to Fund Base	NPA Identification

LFAR – Assets – Advances (13)

- **Impact of Manual Intervention (Customer / Account Master):**

Manual Entry	Probable impact
Tax exemption updation	Non compliance with TDS provisions
Dormant to Active	Susceptible to fraud
Interest Table Code as “0”	Revenue Leakage
Interest Collection Flag “N”	Revenue Leakage

LFAR – Assets – Advances (14)

5.f.(i)(c) - Whether the branch is following the system of classifying the account into SMA-0, SMA-1, and SMA-2. Whether the auditor disagrees with the branch classification of advances into standard (Including SMA-0, SMA-1, SMA-2) / sub-standard / doubtful / loss assets, the details of such advances with reasons should be given.

- **Suggested Audit checkpoints:**

- Obtain list of all Advance Accounts as at the end of the year and refer the overdue amount.
- Review from NPA related menu codes in CBS for classification of account correctly as per IRAC guidelines.
- Delay in submission of Stock Statements / other stipulated returns / financial statements / non renewal of limits based on Audited Fin. Statements (**Within + out of CBS**)

LFAR – Assets – Advances (14)

5.f.(i)(c) [Cont...]

- **Suggested Audit checkpoints:**

- Falling short of projections (**Out of CBS**)
- Return of 3 or more cheques on ground of Non availability of Funds / Limits (**CBS**)
- Devolvement of LC / Invocation of BG and non payment within 30 days (**CBS**)
- Third request for extension of time for creation of security (**Out of CBS**)
- Increased frequency of overdrafts in Current Accounts (**CBS**)
- Borrower reporting stress in the business and financials (**Out of CBS**)
- Promoters pledging shares in the borrower company due to financial stress. (**Out of CBS**)

5.f.(ii)(c) – Restructured / Rephased Accounts

- Suggested Audit checkpoints:

- There is no one size fit all menu / report code in CBS available for Restructured Accounts.
- However following changes should be looked into
 - Drawing Power / Sanctioned Limit
 - Interest Master
 - Flow Amount / EMI

LFAR – Assets – Advances (16)

5.f.(iii) – Upgradation of Non Performing Advances

- **Suggested Audit checkpoints:**

- Obtain list of NPA Accounts upgraded during the year.
- Report as at the end of Previous Year and as at the end of Current Year to be compared
- Quarterly reporting on NPA should also be reviewed.
- Whether at the time of upgradation entire overdue (across all facilities) have been recovered
- Information can be accessed through Menu codes in CBS for Account Ledger Inquiry, Outstanding EMI etc.

LFAR – Assets – Advances (17)

5.f.(x) – Appropriation of Recovery in Principal & Interest

- **Suggested Audit checkpoints:**

- Obtain Accounting Policy followed by bank for appropriation of recovery in NPA Accounts.
- Review in CBS through EMI Recovery menu options and reversal of Memorandum Interest Transactions from Account Statement menu option for recovery sequence followed.

LFAR – Assets – Advances (17)

- **System Support:**

CBS	Menu Code / Flow
Finacle (7)	ACLI – Account Ledger Inquiry (Review Transactions) HLAFI – Loan Flow Maintenance
Finacle (10)	HLAFI – Loan Flow Maintenance
Bancs	DL/TL Account and Services → Enquiries → Transaction [Addl. Options on Tran. Type available for selection]
Flexcube	LN10 (Account Transactions Inquiry)

LFAR – Assets – Advances (18)

5.g.(i) – List of borrowers with details of LCs devolved or guarantees invoked during the year.

- **Suggested Audit checkpoints:**

- **Primary Source** - Data from Branch (MR Letter as well)
- Use of CBS (Trade Finance) Menu

LFAR – Assets – Advances (18)

- **System Support:**

CBS	Menu Code / Flow
Finacle (7)	DCQRY - Documentary Credit Query GI - Guarantee Inquiry DCRPTS – DC Reports and Advices
Finacle (10)	HBKDCI – Query on Documentary Credit HDCSTMT – Statement of Documentary Credit HDCGPR – General Purpose DC Report HGI – Guarantee Inquiry
Bancs	To be accessed through Trade Finance Menu
Flexcube	SY001 - Guarantee Inquiry LCROUSD – Outstanding LC Customerwise Report

LFAR – Assets – Advances (19)

5.g.(iii) – Interchangeability between fund based and non-fund-based facilities was allowed subsequent to devolvement of LC / invocation of BG.

- **Suggested Audit checkpoints:**

- Limit changes (through interchangeability clause) to be reviewed in the cases wherein LC Devolvement and Invocation of BG.

LFAR – Other Assets – Suspense / Sundry A/cs (1)

6.a.(i) - Expeditious clearance of Suspense Account entries. Outstanding entries, delayed reversal etc.

6.a.(ii) – Unusual items in Office Account

- **Suggested Audit checkpoints:**

- Identification of Suspense / Sundry / Office Accounts from GL / BS
- Review of Transactions in Office Accounts
- Generation / Review of Report on Outstanding entries in Office Account

Important Points

LFAR – Other Assets – Suspense / Sundry A/cs (1)

- **System Support:**

CBS	Menu Code / Flow
Finacle (7)	ACLI - Account Ledger Inquiry (Vault A/c and Teller Accounts) IOT – Inquire on Transaction MSGOIRP – Outstanding Items Report
Finacle (10)	HACLI, HACLINQ, HIOT
Bancs	BGL → Enquire → Transaction “Outstanding BGL Transaction” Report
Flexcube	GLM02 - Chart of Accounts GLM04 - GL Transactions and Movement Inquiry EGDLIN - GL Book Dated Balance Detailed EGDGLVDB - General Ledger Value Dated Balances

Office Accounts Review

- Cash Payment from Office Accounts
- TOD through Office Accounts
- Parking of Cash Difference in Office Accounts
- Clearing / Remittance differences through Office Accounts
- Rotation of entries in Office Accounts
- Correctness in mapping of reversal transaction to originating transaction

Office Accounts Review

Back

- Value Dated Transactions
- Round Tripping
- Advance paid for Fixed Assets not capitalized
- Income realized not credited to Revenue Account

- LFAR: Point No. Assets.6.a., Liab.II.2.a.

LFAR – Liabilities – Deposits (1)

II.1.(a) Dormant Account activation

- **Suggested Audit checkpoints:**
 - Review policy of the bank for Dormant Account activation
 - Obtain list of Report containing Dormant Account activated during the Audit Period.
 - Select the samples and review Internal Control

LFAR – Liabilities – Deposits (2)

II.1.(b) Unusual Large Movement in Deposits

- **Suggested Audit checkpoints:**
 - Review of year end GL vis a vis previous few days and next few days from year end.
 - Comparison of aggregate total of GL is also helpful.

LFAR – Liabilities – Deposits (3)

II.1.(c) Automatic Renewal of FCNR(B) Deposits

- **Suggested Audit checkpoints:**

- Review GL for FCNR (B) Deposits
- List of FCNR (B) Deposits Accounts from Detailed GL
- Review the date of Deposit and Date of Maturity.
- In case of high volume of FCNR Deposits, a specific report should be requested containing outstanding FCNR Deposits as on 01.04.20XX, 31.03.20XX and transactions during FY
- Review of documents obtained to confirm “NRI” Status before renewal of FD.

LFAR – Liabilities – Deposits (4)

II.1.(d) Minimum Balance Requirements & Levy of Charges

- **Suggested Audit checkpoints:**

- Obtain Minimum Balance requirement in different types of savings accounts prescribed by the bank.
- Select sample from different types of Savings Accounts.
- Extract Account Statement for the year and ascertain average monthly balance. (If the charges are prescribed on Average Monthly Balance).
- Review the transactions from Account Statement for Charges levied.

LFAR—Other Liabilities – Bills Payable/Sundry Deposits(1)

II.2.(a) Old Outstanding Items

II.2.(b) Unusual Items / Material Withdrawal or Debits

- **Suggested Audit checkpoints:**

- Identification of Suspense / Sundry / Office Accounts from GL / BS
- Review of Transactions in Office Accounts
- Generation / Review of Report on Outstanding entries in Office Accounts

LFAR–Other Liabilities – Bills Payable/Sundry Deposits(1)

- **System Support:**

CBS	Menu Code / Flow
Finacle (7)	ACLI - Account Ledger Inquiry (Vault A/c and Teller Accounts) IOT – Inquire on Transaction MSGOIRP – Outstanding Items Report
Finacle (10)	HACLI, HACLINQ, HIOT
Bancs	BGL → Enquire → Transaction “Outstanding BGL Transaction” Report
Flexcube	GLM02 - Chart of Accounts GLM04 - GL Transactions and Movement Inquiry EGDLINE - GL Book Dated Balance Detailed EGDGLVDB - General Ledger Value Dated Balances

III.(a) Test Checking of Interest / Discount / Commission / Fees

- **Suggested Audit checkpoints:**
 - Review of Interest application
 - Review of Bill Discounting computation
 - Review of Fees, Commission and other charges enabling events and accounting thereof.

LFAR – Profit & Loss (1)

- **System Support:**

CBS	Menu Code / Flow
Finacle (7)	AINTRPT (Interest Report for Accounts)
Finacle (10)	HAINTRPT (Interest Report for Accounts) HINTPRF (Interest Proof Report)
Bancs	<ul style="list-style-type: none">• Deposit / CC / OD Accounts & Services → Enquiries → Interest Rate History• Interest Product Sheet
Flexcube	LN022 (Interest Calculation Inquiry) LN608 (Interest Charges Report) LN801 (Loan Interest Report)

III.(b) Adherence to Income Recognition norms

- Suggested Audit checkpoints:

- Review accounting entries for Income recognition in NPA Accounts
- Review methodology deployed to ascertain **unrealized interest in case of CC Account** and **additional interest (on account of delayed payment of installment) in case of Term Loan Accounts**

LFAR – Profit & Loss (2)

- **System Support:**

CBS	Menu Code / Flow
Finacle (7)	ACLI – Account Ledger Inquiry (Review Interest Transaction) AINTRPT (Interest Report for Accounts)
Finacle (10)	HACLI / HAQLNQ - Account Ledger Inquiry HAINTRPT (Interest Report for Accounts) HINTPRF (Interest Proof Report)
Bancs	Deposit / CC / OD Accounts & Services → Enquiries → Transactions
Flexcube	LN022 (Interest Calculation Inquiry) LN608 (Interest Charges Report) LN801 (Loan Interest Report)

III.(d) Estimation and Accrual of Interest on Overdue / Matured / Unpaid / Unclaimed Deposits

- **Suggested Audit checkpoints:**
 - Review GL for Matured / Overdue deposits
 - Review the Interest accumulated in the said deposits and rate at which the interest is computed.
 - Use the Interest Report functionality of CBS

LFAR – Profit & Loss (3)

- System Support :

CBS	Menu Code / Flow
Finacle (7)	ACLI – Account Ledger Inquiry (Review Interest Transaction) AINTRPT (Interest Report for Accounts)
Finacle (10)	HACLI / HACLINQ – (Review Interest Transaction) HAINTRPT (Interest Report for Accounts) HINTPRF (Interest Proof Report)
Bancs	Deposit / CC / OD Accounts & Services → Enquiry → Transactions
Flexcube	1337 – Term Deposit Interest Payout Inquiry TD023 – Term Deposit Rates History Inquiry TD037 – Term Deposit Account Ledger Inquiry TD050 – Term Deposit Interest Inquiry

LFAR – General – Security Items (1)

IV.1.(c) Security Stationery

- **Suggested Audit checkpoints:**
 - Review of Bank's process for maintenance of Security Stationery
 - Generation of Security Stationery Balance Report from CBS
 - Physical verification of security stationery items with Report generated from CBS

LFAR – General – Security Items (1)

- **System Support :**

CBS	Menu Code / Flow
Finacle (7)	ISRA – Inventory Status Report IMI – Inventory Movement Inquiry
Finacle (10)	HISRA – Inventory Status Report HIMI – Inventory Movement Inquiry
Bancs	➔ Valuable Paper Inventory System [VPIS] ➔ Enquiry of VPIS ➔ General Enquiry ➔ VPIS ➔ Enquiry of VPIS ➔ Teller Level Inquiry
Flexcube	IV011 – Stock Inquiry IV004 – Inventory Lost report Register maintenance MCA80 – Inquiry of sold/issued inventory

LFAR – General – Books & Records (1)

IV.2.(a) Integration of Softwares with CBS

- **Suggested Audit checkpoints:**
 - Obtain list of softwares deployed / used at Branch (Preferably with MR Letter)
 - Obtain deployment document containing linkage / interconnection details (Report appropriately in case of non availability of such details)

LFAR – General – Books & Records (2)

IV.2.(b).(iv) Procedures for Manual Intervention to System Generated Data & availability of Audit Trails

- **Suggested Audit checkpoints:**

- Obtain internal policy prescribed for Manual Intervention (Preferably with MR Letter)
- How to review direct updation in Database through Backend? (Confirmation through MR Letter)
- Review the changes made at the time of processing of data generated by the system and generation of certificates / returns for certification by SBA.

LFAR – General – Books & Records (2)

IV.2.(b).(v) Data Integrity (Correctness, back ended strategies)

- **Suggested Audit checkpoints:**

- Obtain Policy / Process document prescribing Data Integrity aspect in line with LFAR requirement. (Preferably with MR Letter)
- Report cases wherein manual updation is carried out which has impacted
 - Interest computation
 - Asset Classification
 - Certification

LFAR – Inter Branch Accounts (1)

IV.3 Unresponded entries in Inter-Branch Accounts

- **Suggested Audit checkpoints:**
 - Obtain Inter-Branch Reconciliation / outstanding IB Report
 - Long Outstanding unresponded IBR to be reviewed in detail

LFAR – Inter Branch Accounts (1)

- **System Support :**

CBS	Menu Code / Flow
Finacle (7)	Outstanding IBR Report
Finacle (10)	
Bancs	Outstanding IBR Report“ / “IBR Summary report” (available under Offline Reports folder)
Flexcube	CORINTBR - Inter Branch Reconciliation Report

IV.5 Implementation of KYC AML Guidelines

- **Suggested Audit checkpoints:**
 - Obtain Customers where KYC is pending Report
 - Obtain Report where KYC is pending for Locker Hirers
 - Review of following type of Customer induced transactions for Customers where KYC is pending
 - Financial Transaction
 - Non Financial Transaction (viz. Address Change, Request of Internet Banking ID / Password, Cheque Book Request, Activation of Dormant Account)

LFAR – KYC AML (1)

- **System Support :**

CBS	Menu Code / Flow
Finacle (7)	<ul style="list-style-type: none">• Report on Pending KYC (Review the date from which the KYC is pending)• Account Ledger Inquiry• Audit File Inquiry (For Customer Master Change)
Finacle (10)	
Bancs	
Flexcube	

IV.6 MIS - Whether the branch has the proper systems and procedures to ensure data integrity relating to all data inputs which are to be used for MIS at corporate office level and for supervisory reporting purposes. Have you come across any instances where data integrity was compromised?

- **Suggested Audit checkpoints:**
 - Check & Report any case of
 - Data manipulation (Transactions, Masters)
 - Incorrect data feed
 - Manual Intervention

LFAR – MIS (1)

- **Possible events:**

Data Type	Parameter
Master	<ul style="list-style-type: none">• Discrepancies in setting up the EMI / Installments
Master	<ul style="list-style-type: none">• Manipulation in Sanction Limit / Drawing Power
Master	<ul style="list-style-type: none">• Incorrect Moratorium Period• Incorrect Installment / Interest Start Date
Master	<ul style="list-style-type: none">• Rephasement without reporting it as Restructuring
Transaction	<ul style="list-style-type: none">• Fictitious credit through Office Account / Inter-branch Account
Transaction	<ul style="list-style-type: none">• Round Tripping through Internal Accounts
Transaction	<ul style="list-style-type: none">• Unauthorized Temporary Overdraft / TOD as Fresh Loan for repayment of existing Facility

LFAR – MIS (1)

- **Possible Events:**

Data Type	Parameter
Transaction	<ul style="list-style-type: none">• Devolved Bills parked in Office Account / Separate Account and not in Limit / Current Account (where limit account is not available)
Master	<ul style="list-style-type: none">• Multiple Cust ID / UCIC• Non / improper implementation of UCIC
Master	<ul style="list-style-type: none">• Project Loans – Updation of DCCO Dates
Master	<ul style="list-style-type: none">• Manual updation / Override System determined classification of NPA
Master	<ul style="list-style-type: none">• NPA Holiday Setup (Exclusion of certain dates or accounts)

LFAR – Forex Branches

- Material adverse points pointed out in the Audit Reports which continue to persist in relation to NRE/ NRO/ NRNR/ FCNR-B/ EEFC/ RFC ?
- Whether the Branch has followed the instructions and guidelines of the controlling authorities of the bank with regard to the following in relation to the foreign exchange. If not, state the irregularities: Deposits, Advances, Export Bills, Bills for collection, Dealing Room operations, Any other area
- Nostro Account Management

LFAR – Forex Branches

- **Bills / Cheques on Collection - Balancing and reconciliation with GL Balance (Contingent Liab.)**
 - Bill Balancing Reports
 - GL Balance - Respective Cont. Liab. Account
 - LFAR Reporting: Liab.3
- **Bills / Cheques purchased / Discounted – Balancing and reconciliation with GL**
 - Bill Balancing Reports
 - Aggregation of accounts under BD / BP Scheme Codes

LFAR – Forex Branches

- **Packing Credit (Pre & Post Shipment – In INR or FCY)**
 - Adjustment through Export Bills / EEFC Balance
 - Review of Transactions for adjustment of balance through other than above mode
 - Rate of Interest if not adjusted within 360 days – Clean OD Rate with Penal Interest from ab initio
 - Monitoring of End use of Fund
 - Running Account Facility and Monitoring of adjustment

LFAR – Forex Branches

- **Devolvement of Import Bills under LC**

- Check the Reg. Type and Sub Type of Import Bills under LC
- *Use Menu Option FBI (in Finacle) to search Bills under Import LC Delinked (Status Code “K” with Status Date Filter)*
- Separate Account opened (if any) for Devolved Bills
- Bill devolved but not crystallized in CBS
- Crystallization of Devolved Bill through Office Account.

Table of Contents

- Basics of Core Banking System & Architecture
- Controls in Core Banking System
- Audit activity through CBS (LFAR)
- **Automated Asset Classification (RBI Guidelines)**
- Important CBS Parameters for NPA Identification
- Case Studies



Automated Asset Classification

Para Nos. 36 to 41 of IRACP Directions dt. 28th Nov. 2025

- 36. Coverage of automation
 - (1) All borrowal accounts, including temporary overdrafts, irrespective of size, sector or types of limits, shall be covered in the automated IT based system ('System') for asset classification, upgradation, and provisioning processes. A bank's investments shall also be covered under the System.

Automated Asset Classification

- (2) Asset classification rules shall be configured in the System, in compliance with the regulatory stipulations.
- (3) Calculation of provisioning requirement shall also be System based as per pre-set rules for various categories of assets, value of security as captured in the System and any other regulatory stipulations issued from time to time on provisioning requirements

Automated Asset Classification

- In addition, income recognition / derecognition in case of impaired assets (NPAs / Non-Performing Investments [NPIs]) shall be system driven and amount required to be reversed from the income account should be obtained from the System without any manual intervention.
- The System shall handle both downgrade and upgrade of accounts through Straight Through Process (STP) without manual intervention.

Automated Asset Classification

- 37. The System based asset classification shall be an **ongoing exercise** for both downgradation and upgradation of accounts. A bank shall ensure that the asset classification status is updated as part of **day end process**. A bank shall be **able to generate** classification status report at any given point of time with **actual date of classification of assets as NPAs / NPIs**.

Automated Asset Classification

- 38. Exceptions to automation:
 - (1) **Exceptions** may be granted from System driven classification **in certain circumstances**, which are expected to be minimum and temporary. These exceptions shall be from automated classification and not from income recognition, asset classification and provisioning norms under these Directions and shall be subject to the conditions specified below.

Automated Asset Classification

- (2) A bank **shall not resort to manual intervention / over-ride in the System based asset classification process.**
- (3) In any exceptional circumstance where manual intervention is required to override the System classification, it shall have at least two level authorisation. Such delegation of powers for authorising the exceptions shall be as per the **Board approved policy** of the bank (by CEO, in case of unavailability of Board) and preferably be done from the centralised location and suitably documented. Further, any such intervention shall have appropriate audit trails and subjected to audit by concurrent and statutory auditors. Detailed reports of such manual intervention shall be placed before the Audit Committee / Audit Head (banks having no Board) regularly.

Automated Asset Classification

- (4) A bank shall maintain **logs for all exceptions** i.e. manual interventions / over-rides including, but not limited to, the date and time stamp; purpose / reason; user-IDs, name and designation of those making such manual intervention and necessary account details. These logs shall also be stored for a minimum period of three years and not be tampered with during the storage period. These logs shall be system generated.

Automated Asset Classification

- 39. System Requirements and System Audit:
 - (1) In case a separate application outside the Core Banking System (CBS) is used as the System for NPA / NPI identification and / or classification, the System must have access to the required data from the CBS and / or other relevant applications of the bank and the borrower / investment accounts shall be **updated back into the CBS automatically**, wherever applicable, **through STP**.

Automated Asset Classification

- (2) A bank shall keep the business logic and other parameters / configurations of the System updated to ensure that the System based identification, classification, provisioning and income recognition are strictly in compliance with the regulatory guidelines on an ongoing basis.

Automated Asset Classification

- (3) There shall be periodic system audit, at least once in a year, by Internal / External Auditors who are well versed with the system audit both on system parameters as also from the perspective of compliance to Income Recognition, Asset Classification and Provisioning norms as per these Directions.

Automated Asset Classification

- 40. A bank shall adhere to the following baseline requirements while designing and maintaining the NPA classification System:
 - (1) Data Input
 - [i] Data Input in the System by any means shall be fully captured and stored without truncation [*For example, time stamp - with date and time, narration field, or any other text data captured*].

Automated Asset Classification

- [ii] Ensure presence of necessary validation / verification checks in the solution for the user inputs, wherever applicable. Such validations, among other things should check for data type validations, min / max value, exceptions, etc.

Automated Asset Classification

- [iii] Ensure necessary data validation/checks in the System for the data keyed in manually, wherever applicable. *For example*, such validations with master data (or parameters used in asset classification fed into the System as per the internal policy of the bank) could prevent issues related to incorrect entries generally seen (illustrative but not exhaustive list) in margin setting, moratorium period, security valuation, repayment schedule, products mapped / linked to different categories of account holders (as per applicability) etc.

Automated Asset Classification

- [iv] Data input shall be effected only after authentication and authorisation.
- (2) User Access Management
- (i) Ensure that all ‘user-IDs’ in the System have unique identification. If there are any generic user-IDs used, it shall only be used under exceptional circumstances and such ids shall be mandatorily mapped to the employee ID of the user to fix accountability of the activities carried-out under the generic ID.

Automated Asset Classification

- (ii) Provide for two-factor or higher level of authentication for the users of the application.
- (iii) Restrict the access to the System on 'need to have / least privilege' basis for all users.

Automated Asset Classification

- (iv) Provide for maker checker authorisation / control for transactions (an illustrative list of transactions includes updating / modifying the internal accounts, customer accounts, parameters – both financial and non-financial that affect the status of the credit portfolio / loan / asset) entered in the solution. This shall also include transactions / activities carried out by administrator accounts in the System. (*For example:* activities such as create / update / modify user-IDs, roles, privileges including access rights to various modules; system related activities including updates to master data, etc. should have at least two individuals to complete the activity).

Automated Asset Classification

- (3) Straight Through Processing (STP):
 - Provide for STP and support for STP integration with all critical systems / add-on sub-systems / modules etc., in a seamless and secure manner for NPA / NPI classification as per these Directions. Such STP mechanism shall seamlessly take into account all the facilities availed by a given customer (in case of loans and advances) and all the instruments of an entity (where bank has made investments in an entity), maintained across multiple systems of the bank without any manual intervention. Further, a bank shall also ensure that the updated account status, including asset classification of the customer accounts, flow to the CBS automatically, if NPA classification process is performed outside CBS.

Automated Asset Classification

– (4) Back-end Data Access Restriction

- (i) Any changes to the data, parameters from backend shall be avoided. The System should provide for changes to the data items only through front end (from the application (eg: CBS) itself and not through the back-end database update) after requisite authorisation. Audit trails / logs of access, changes to any data, parameters, if any, should be captured with specific user details in the system.

Automated Asset Classification

- (ii) In case of exceptions in rare circumstances, such changes shall be duly approved at an appropriate level and documented. Provision for MIS report should be available to auditors to generate complete list of back-end access and changes made.

Automated Asset Classification

– (5) Audit Logs

- (i) Provisions of audit trails / logs to capture details of mandatory fields (that are essential to complete the transaction and essential to identify the transaction for audit / forensic purpose in the future) of all the transactions (financial and non-financial) shall be made.
- (ii) Logs shall be maintained for changing the master data. System generated activity logs of the users with administrative privileges shall also be maintained.

Automated Asset Classification

- (iii) Secure storage and retention of logs in encrypted format with access controls in an archival solution.
- (6) System Generated NPAs:
- All parameters required for NPA / NPI identification shall be captured in the CBS or associated sub-system(s) / module(s) meant for NPA / NPI identification / classification of asset codes as per these Directions. It should provide for separate MIS report capturing all parameters for NPA / NPI identification. Such parameters could either be configured in database or application itself as per the architecture of the solution / sub-system

Automated Asset Classification

– (7) Test Environment:

- The existing test environment in the bank with dummy data and functional logic similar to that of the product environment of the solution shall be made available to the supervisors during their onsite supervisory visit(s) as per the requirements. This shall be required, *inter alia*, to perform sample transactions review to assess whether the solution adheres in complying with regulatory prescriptions in the extant environment for NPA / NPI identification as per applicability.

Automated Asset Classification

- 41. A bank shall draw up their standard operating procedure (SOP) for System based NPA classification for usage by the operating staff.

Automated Asset Classification

- LFAR requirements
- 5.f.a) Has the branch identified and classified advances into standard / substandard / doubtful / loss assets through the computer system, without manual intervention?
- 5.f.b) Is this identification & classification in line with the norms prescribed by the Reserve Bank of India
- 5.f.c) Whether the branch is following the system of classifying the account into SMA-0, SMA-1, and SMA-2.
- IV.2.iv) Whether the bank has laid down procedures for manual intervention to system generated data and proper authentication of the related transactions arising there from along with proper audit trail of manual intervention has been obtained.

Automated Asset Classification

- Detailed checklist for compliance with requirements as listed out in Circular Dt. September 14, 2020 and IRACPD Dt. November 28, 2025 is provided in Guidance Note on Audit of Banks 2026 edition (Under the Chapter “Special Considerations in a CBS Environment”)

Table of Contents

- Basics of Core Banking System & Architecture
- Controls in Core Banking System
- Audit activity through CBS (LFAR)
- Automated Asset Classification (RBI Guidelines)
- **Important CBS Parameters for NPA Identification**
- Case Studies

Important CBS Parameters for NPA Identification

- **Discrepancies in setting up the EMI / Installments | Multiple sets of EMI / Installments**
 - Whether EMI / installment is correctly setup.
 - Whether EMI / installment amount is matching with the Sanctioned Terms.
 - Whether periodicity of Installment is correctly classified as per Sanctioned Terms?

Important CBS Parameters for NPA Identification

• System Support:

CBS	Menu Code / Flow
Finacle (7)	<ul style="list-style-type: none">• ACI -> Option "E" Repayment details • HLAFI – Loan Flow Maintenance
Finacle (10)	<ul style="list-style-type: none">• ACI -> Option "E" Repayment details• HLAFI – Loan Flow Maintenance
Bancs	<ul style="list-style-type: none">• DL/TL Accounts & Services → Enquiries → Account• Deposit / CC / OD A/c & Services → Enquiries → Deposit / CC / OD A/c• DL/TL Account and Services → Enquiries → Transaction [Addl. Options on Tran. Type available for selection] <p><i>(Short & Long Inquiry options are available under both menu.)</i></p>
Flexcube	<ul style="list-style-type: none">• BA095 (Account level attributes Inquiry)• LNM10 (Account Transactions Inquiry)

Important CBS Parameters for NPA Identification

- **Manipulation in SL / DP**
 - Changes in SL / DP should be cross checked with Sanctioned Letter.
 - Whether any change in Limit is supported by necessary documentation?

Important CBS Parameters for NPA Identification

- **System Support:**

CBS	Menu Code / Flow
Finacle (7)	<ul style="list-style-type: none">• ACLHM – Account Limit History Maintenance
Finacle (10)	<ul style="list-style-type: none">• HACLHM – Account Limit History Maintenance
Bancs	<ul style="list-style-type: none">• Deposit / CC / OD Accounts & Services → Enquiries → Interest Rate History → Select 'Limit history' from drop down menu• Daily report on Changes in Limits
Flexcube	<ul style="list-style-type: none">• CH409 (OD Limit History Report)• CHM07 (OD Limit Master Maintenance) – Limit Details

Important CBS Parameters for NPA Identification

- **Incorrect Moratorium Period | Installment Start Date is Future Date | Interest Demand date (Future Date)**
 - Based on moratorium period CBS will identify the Loan Installment and will track repayment.
 - In case the moratorium period / installment start date is erroneously updated system will not show correct result.

Important CBS Parameters for NPA Identification

- **System Support:**

CBS	Menu Code / Flow
Finacle (7)	<ul style="list-style-type: none">• ACI – Option “E” – Repayment Details
Finacle (10)	<ul style="list-style-type: none">• HACM/HACI
Bancs	<ul style="list-style-type: none">• Account Master details (Long Inquiry)
Flexcube	<ul style="list-style-type: none">• BA095 (Account level attributes Inquiry)

Important CBS Parameters for NPA Identification

- **Fictitious credit through Office Account / Inter-branch Account | Round tripping from internal accounts**
 - Are there any quarter / year end credits cited in the account?
 - Check the source of Credit Entries.
 - Review transactions in Office Accounts / Inter Branch Accounts.
 - Close scrutiny of transaction and review of chain / series of transaction for accounts with deficiency is required.
 - Such transactions will inflate the Credit Turnover in the account.

Important CBS Parameters for NPA Identification

- **System Support:**

CBS	Menu Code / Flow
Finacle (7)	<ul style="list-style-type: none">• ACLI – (Use CTRL + E to Explore the Tran)• Review of Office Account Ledgers• <i>Using only Account Turnover Information generated through “ATOR” / “CUTI” / “ACTI” menu may lead to incorrect inference, since the credits are not solitary credits in account.</i>
Finacle (10)	<ul style="list-style-type: none">• HACLI, HACLINQ
Bancs	<ul style="list-style-type: none">• Deposit / CC / OD Accounts & Services → Enquiries → Transaction• DL/TL Accounts & Services → Enquiries → Transaction
Flexcube	<ul style="list-style-type: none">• CH031 - Statement Inquiry

Important CBS Parameters for NPA Identification

- **Temporary Overdrafts**
 - Check whether the TOD is sanctioned in order to bring the overdrawn limit to base level additional facility through TOD is sanctioned.

Important CBS Parameters for NPA Identification

- **System Support:**

CBS	Menu Code / Flow
Finacle (7)	<ul style="list-style-type: none">• ACI – Option “O”• TODRP – TOD Register Printing
Finacle (10)	<ul style="list-style-type: none">• HACI• HTODRP & HACTODI
Bancs	<ul style="list-style-type: none">• TOD Report
Flexcube	<ul style="list-style-type: none">• CHM07 – OD Limit Master Maintenance

Important CBS Parameters for NPA Identification

- **Term Loans**

- Computation of Overdue

- Moratorium, Installment Start Date
 - EMI Setup
 - Non updation of EMI / Loan Expiry on Interest Rate Change (Last Installment Ballooning / Bullet Repayment on last date)

- Handling of Overflow (Excess repayment)

Important CBS Parameters for NPA Identification

- **Installment Ballooning (Example)**

Sr. No.	Sanc. Limit	O/s Bls.	Last EMI Date	Normal Installment Amount	Last Installment Amount
1	39,60,000	10,86,413	31/01/2036	9,900	91,000
2	17,56,000	11,67,517	30/06/2023	18,000	1,30,000

Important CBS Parameters for NPA Identification

- **Term Loans**

- CBS review perspective:

- Account Master (Installment Start Date, Flow [EMI] amount, Loan Expiry etc.)
 - Limit Master
 - Installment / Amortization Schedule (Especially regular Installment and Last Installment)
 - Apportionment of Repayment between Interest and Principal

Important CBS Parameters for NPA Identification

- **Housing and Other Staff Loans**
 - Correctness of Tagging (i.e. Staff / Special tag) of Loan
 - Setting up of Account and impact on Overdue Computation
 - NPA Condition in CBS?

Important CBS Parameters for NPA Identification

- **Housing and Other Staff Loans**
 - CBS review perspective:
 - Customer Master (Staff tag)
 - Account Master (Loan Type, Flow [Principal] Start Date, Interest Start Date, Flow [say EMI] amount, Loan Expiry etc.)
 - Installment / Amortization Schedule (Regular as well as Last Installment)
 - Apportionment of Repayment between Interest and Principal

Important CBS Parameters for NPA Identification

- **Overdraft / Cash Credit**

- Overdue computation

- Balance continuously in excess of limit for 90 Days [***Change made in limits to circumvent this?***]
- Balance within limit but No credits in last 90 Days [***Cases where Advance payment is made / collected at the start of the year***]
- Credits not enough to cover Interest Debits in previous 90 Days period. [***Running day basis. 'Previous 90 days period' shall be inclusive of the day for which the day-end process is being run***]

Important CBS Parameters for NPA Identification

- **Overdraft / Cash Credit**
 - CBS review perspective:
 - Account Master
 - Limit Master
 - Ledger Account Review for Credits
 - Overdue computation [Running Day basis] (To compare with Manual computation)

Important CBS Parameters for NPA Identification

- **Loan products being offered as an overdraft facility, or facility which entails only Interest Repayments**
 - Reducing Balance Loans, Home OD (*Where repayment is equal to Monthly Drawing Power reduction – Hybrid loan*)
 - Interesting Case: The borrower repaid the entire amount due for the year at the start of the year in these cases. **What will be the impact on NPA identification?**
 - Transfer entry from OD to SB to OD without any debit instructions.

Important CBS Parameters for NPA Identification

- **Stock and Book Debts Statements**
 - Setting up of Drawing Power
 - **Fixed DP**
 - Derived DP
 - Derived based on Stock and Book Debts value
 - **Derived from Sanctioned Limit ??**
 - Computation of Drawing Power (Margin, Paid stock computation, Changes in Margins if any during the year)

Important CBS Parameters for NPA Identification

- **Stock and Book Debts Statements**

- CBS review perspective:

- Account Master
 - Account Limit History Maintenance (For DP and SL Changes)
 - Security Register / Collateral setup
 - Stock Statement / Book Debts Statement updation

Important CBS Parameters for NPA Identification

- **Renewal of Facility**
 - Date of Expiry of Limit
 - Date of Review and Date of Renewal
 - **Multiple / Short Review:** Difference between Limit Expiry and Date of Renewal cannot exceed 180 Days. [Same for Adhoc limit sanctions]
 - System behavior on expiry of limit (*Whether limit is marked as Zero immediately on expiry of limit?*)

Important CBS Parameters for NPA Identification

- **Renewal of Facility**
 - CBS review perspective:
 - Account Master
 - Limit Master
 - Overdue Computation
 - Sanction of TODs / Adhoc limits
 - Account Transactions

Important CBS Parameters for NPA Identification

- **Regularization of Account near to Balance Sheet Date**
 - Grant of New Facility / TOD to service overdue
 - Misuse of Cash Teller Account / Office Account for rotation
 - Fictitious credit & subsequent reversal through Mirror Accounts

Important CBS Parameters for NPA Identification

- **Regularization of Account near to Balance Sheet Date**
 - CBS review perspective:
 - Account Transactions
 - TOD Report for few days nearing to year end / quarter end
 - Source of Funds (Detailed review – if needed – review of Source of Source)
 - Review of Teller Account (If source of deposit is cash which do not commensurate with Borrower's Business)

Important CBS Parameters for NPA Identification

- **Devolved LC, Invoked Guarantees**

- List of cases of Devolved LC and Invoked Guarantees during the review period
- Crystalization Account / Debit Account details updated for Recovery / Debit on devolvment / invocation.
- Changes in Limit (Interchangeability clause invoked post devolvment / invocation for overdue management?)

Important CBS Parameters for NPA Identification

- **Devolved LC, Invoked Guarantees**

- CBS review perspective:

- LC (Documentary Credit) Maintenance
- BG Maintenance
- Limit History / Change in Limits
- Operative Account Review on Devolvement / Invocation.
- Review of Office Account (If used to keep the amount parked for longer period without debit to operative account).

Important CBS Parameters for NPA Identification

- **Other Advances**

- Loans against NSC / KVP / FD / LIC – Maintenance of adequate margin
- Periodic updation of surrender / realizable value of security (Whether updation is done based on any document or through static formula)
- Cases wherein adequate margin is not maintained whether account classified as NPA?

Important CBS Parameters for NPA Identification

- **Other Advances**

- CBS review perspective:

- Account Master
 - Account Ledger Transactions
 - Security Register / Collaterals updation
 - History of changes in Security Value
 - Overdue report

Important CBS Parameters for NPA Identification

- **Project under Implementation**
 - Updation of
 - DCCO,
 - Revised DCCO
 - Extended DCCO
 - Automatic Mechanism deployed by bank for NPA identification

Important CBS Parameters for NPA Identification

- **Project under Implementation**
 - CBS review perspective:
 - Account Master
 - DCCO Date maintenance
 - History of Changes (with audit trail) for updation of dates

Important CBS Parameters for NPA Identification

- **SMA Identification**
 - Overdue computation (As per IRACPD)
 - Classification of account (As per IRACPD)
 - Whether SMA identification and classification is carried out by CBS or through other external system?

Important CBS Parameters for NPA Identification

- **SMA Identification**
 - CBS review perspective:
 - SMA Reports for sample dates
 - Overdue Report and analytical review of the same with SMA

Table of Contents

- Basics of Core Banking System & Architecture
- Controls in Core Banking System
- Audit activity through CBS (LFAR)
- Automated Asset Classification (RBI Guidelines)
- Important CBS Parameters for NPA Identification
- **Case Studies**

Case Study - 1 Credit originating from another Loan granted to borrower

Before Disbursal Balance as on 31.12.20XX	Disbursal of New Loan	Interest Charged as on 31.12.20XX	Balance as on 01.01.20XX
A	B	C	D = A – B + C
2,00,00,000	10,00,000	2,50,000	1,92,50,000
11,00,00,000	1,00,00,000	13,00,000	10,13,00,000
9,00,00,000	32,00,000	10,50,000	8,78,50,000
70,00,000	2,50,000	10,000	67,60,000
22,70,00,000	1,44,50,000	26,10,000	21,51,60,000
Net Increase in exposure			1,44,50,000

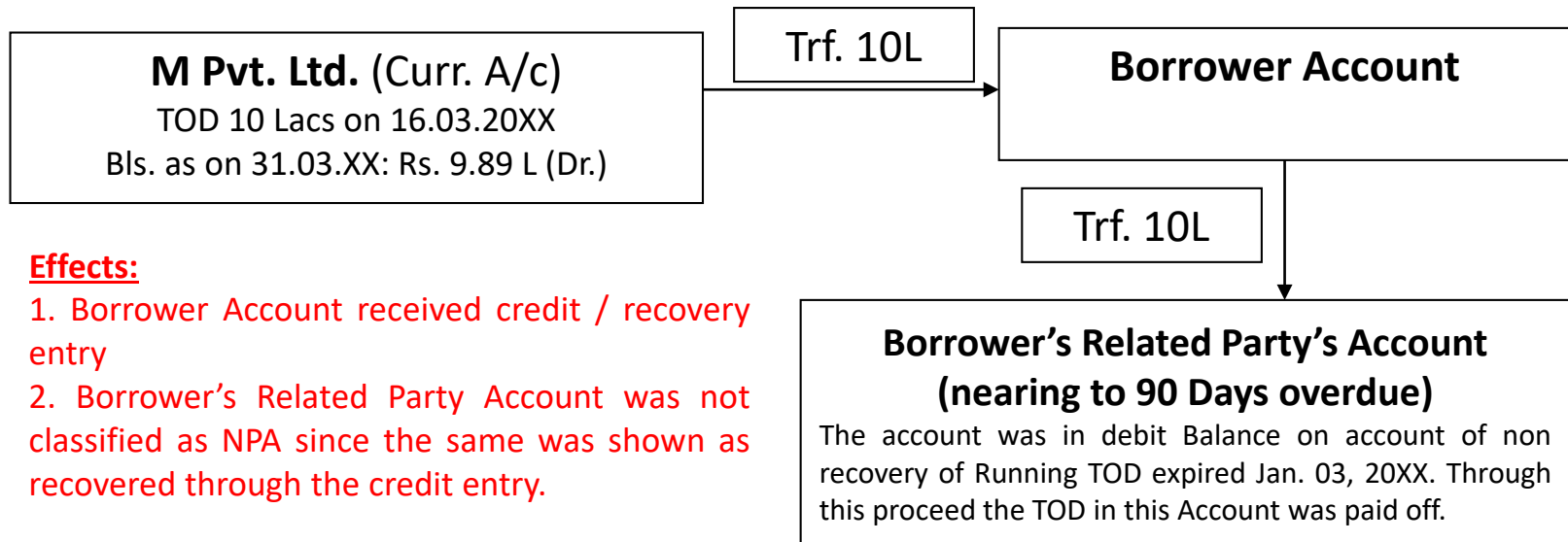
Balance before Interest application as on 31.12.20XX (A-B) 21,25,50,000

Difference in Exposure before and after disbursal of New TL 1,44,50,000

There was no recovery in the account and the funds of the new Term Loan were used for payment of overdues in existing loan accounts

Case Study - 2 Credit originating from another Loan granted to other customer

- Current A/c Closing Balance as on 31.03.20XX Rs. 9,98,754 (Dr.)
- Background of the case: Running TOD of Rs. 10 Lacs was granted for period March 16, 20XX till March 22, 20XX not regularized till date.



Effects:

1. Borrower Account received credit / recovery entry
2. Borrower's Related Party Account was not classified as NPA since the same was shown as recovered through the credit entry.

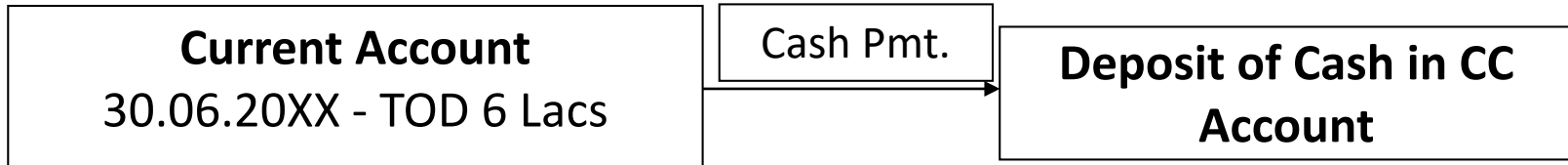
Case Study - 3 Transaction without any visible economic benefit

Transfer from Current Account to CC Account

Account Ledger Inquiry						
A/C No			INR		Opn. Bal	4,36,005.00 Cr
Type	CUSTOMER	GL Subhead			Cls. Bal	4,36,005.00 Cr
A/C Open Date		-2010	Close Date		Avl. Amt	4,36,005.00 Cr
Currency	INR	INDIAN	RUPEES		Eff. Avl. Amt	4,36,005.00 Cr
A/c Status	A	ACTIVE			A/c Status Date	
Funds in clg			0.00		Float Bal	0.00
Date	Inst No.	Partics	DrAmt	CrAmt	Balance	
			INR	INR	INR	
31-03-			9,00,00,000.00	9,04,36,005.00Cr		
31-03-			9,00,00,000.00		4,36,005.00Cr	
31-03-			3,00,00,000.00	3,04,36,005.00Cr		
31-03-			3,00,00,000.00		4,36,005.00Cr	
31-03-			9,00,00,000.00	9,04,36,005.00Cr		
31-03-			9,00,00,000.00		4,36,005.00Cr	
31-03-			9,00,00,000.00	9,04,36,005.00Cr		
31-03-			9,00,00,000.00		4,36,005.00Cr	
31-03-			9,00,00,000.00	9,04,36,005.00Cr		
31-03-			9,00,00,000.00		4,36,005.00Cr	
At the last record						

Case Study - 4 Recovery through Cash Deposit originated from TOD

Month	Interest Amount	Recovery	Date	Mode
Feb-XX	1,25,000	45,000	22-Apr-XX	Cash
Mar-XX	1,50,000	1,00,000	29-Apr-XX	Cash
Apr-XX	1,55,000	90	30-Jun-XX	Charges Reversal
May-XX	1,60,000			
Jun-XX	1,55,000	6,00,000	30-Jun-XX	Cash
Total	7,45,000	7,45,090		



Case Study - 5 Recovery through Cash Deposit

Tran Date	Particulars	Debit	Credit	Balance	Event	Transaction details	Post Time	Customerwise Total	Linked event
30-03-20XX	CASH RECEIPT	5,000		25,84,273					
30-03-20XX	COH		25,84,273	-		Cash Counter closed & Amount Trf. To Main Cash A/c	17:01		
30-03-20XX	CASH RECEIPT	6,50,000		6,50,000	Deposited by	CC A/c - 1	17:14	13,50,000	
30-03-20XX	CASH RECEIPT	7,00,000		13,50,000	Deposited by	CC A/c - 1	17:15		
30-03-20XX	CASH RECEIPT	3,50,000		17,00,000	Deposited by	CC A/c - 2	17:16	16,50,000	
30-03-20XX	CASH RECEIPT	8,00,000		25,00,000	Deposited by	CC A/c - 2	17:17		
30-03-20XX	CASH RECEIPT	5,00,000		30,00,000	Deposited by	CC A/c - 2	17:17		
30-03-20XX	CASH RECEIPT	5,00,000		35,00,000	Deposited by	CC A/c - 3	17:18	18,00,000	
30-03-20XX	CASH RECEIPT	7,00,000		42,00,000	Deposited by	CC A/c - 3	17:18		
30-03-20XX	CASH RECEIPT	6,00,000		48,00,000	Deposited by	CC A/c - 3	17:18		
								48,00,000	
30-03-20XX	CASH PAYMENT		(9,00,000)	39,00,000	Withdrawn by	CA A/c - 1	17:27	(24,00,000)	
30-03-20XX	CASH PAYMENT		(15,00,000)	24,00,000	Withdrawn by	CA A/c - 1	17:27		
30-03-20XX	CASH PAYMENT		(7,00,000)	17,00,000	Withdrawn by	CA A/c - 2	17:27	(24,00,000)	TOD 25 Lacs of 30.03.
30-03-20XX	CASH PAYMENT		(8,00,000)	9,00,000	Withdrawn by	CA A/c - 2	17:28		
30-03-20XX	CASH PAYMENT		(9,00,000)	-	Withdrawn by	CA A/c - 2	17:28		
								(48,00,000)	



CA. Kuntal P. Shah, Ahmedabad



Thank You

CA. Kuntal P. Shah

Email: kuntal@pradiprshah.com