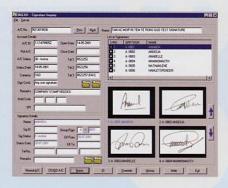
Signature Inquiry System (SIS)



The NEC Signature Inquiry System (SIS) is a specialised system designed for Banks, catering to the unique requirements in the storage, retrieval, display and verification of images like signatures, thumbprints, company stamps, and photographs. It is a robust and highly scalable solution that grows alongside a bank's needs.

Backed by NEC's rich experience in designing and implementing electronic imaging systems, NEC SIS caters to both the security and operational requirements of banks in their day-to-day signature verification processes. It is a field proven product for many applications currently implemented in many banks, from banks with a single branch to banks with hundreds of branches and millions of signature records. SIS is also applicable to other non-banking organisation that requires highly secured while complex financial approving authorities.



Though highly customisable, following are some typical applications that NEC SIS may be applied:

- (1) Inward Cheque clearing
- (2) Cheque cashing at teller counter
- (3) GIRO Application Forms verification
- (4) Processing of Gift Vouchers & Cashier Order
- (5) Safe Deposit Box
- (6) Inter-Bank & Inter-Country Signatures Inquiry Through Internet Network
- (7) Any application that requires verification of signatures and/ or fingerprints

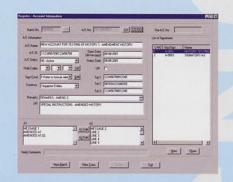
Functions & Features:

(1) Account Structure

- · Support different account types, eg. Savings Accounts, Current Accounts, Fixed Deposit, Currency Units, Unit Trust, etc.
- Support complex company or Corporate Accounts Up to 37 signatory groups per account can be supported. Each signatory group may have up to 32,768 signatories logically. In practice, number of signatories per account shall be limited to 1000 or lower.
- A special instruction can be attached to each account. This is usually the account authorisation conditions or any other special conditions as instructed by the account holder(s).
- Two additional long text messages can be attached to an account, and any signatory.
- · Additional account details such as name, telephone, etc,can be customised as per user requirements.

(2) Signature Registration

- Support multi-vendors scanners (TWAIN interface).
- · Batched registration for easier and more secured control.
- Support both black/white and color image scanning.
- · Signature trimming features to reduce storage space.
- Scanning attributes such as scanning density, brightness, gray scale, etc, can be adjusted during scanning to improve image clarity.
- Image editing functions (such as eraser feature, etc) are not allowed due to security reasons.
- Provide multi-officers verification and approval feature to ensure system security.
- Specialised data conversion software to cater for the needs of initial data conversion from paper base system to computerised system.





(3) Signature Inquiry/ Verification

- · Retrieval by account numbers, ID, or name.
- · Fast response time.
- Display multiple signatories per screen for easy and fast signatories browsing and look-up.
- Support images display features zoom, flip, reverse, etc.
- Convenient and fast operation using function keys as short-cut to mouse clicks.
- · Fast, easy, user friendly and intelligent operations.
- · Grouping by signatories groups.
- · Well-coloured and comfortable screen design.

(4) Cheque Verification Module

- Display of cheque information as well as the associated account information, signature images on the same screen to facilitate officers to perform visual verification.
- Ability to generate various reports, such as returned cheque voucher, daily cheque report, etc.
- Ability to generate the returned cheque information and transmit to host for entry reversal, if requires.

(5) Inter-branch Signature Retrieval

- · Client/Server connection between workstations and servers.
- · Support single centralised server and multiple distributed servers.
- · Fast response time and highly reliable.
- · Flexible teller terminal integration method.

(6) Multiple Servers Backup And Automated Server Switching

- · Duplicated images stored at master and alternative server(s).
- · In normal operation, signatures are retrieved from master server.
- · Automated switching to alternative server when master server failed.
- · Automated resume to master server when it is ready.
- · Switching can also be done manually to balance the load among servers.

(7) Security Control

- System level security (such as file access) are managed by the specific operating system software, Windows NT 4.0.
- Provide application level login at SIS level for added control of SIS functions and user menu. Up to 255 levels of functional control (eg. scanning and data entry, approval and update, inquiry, override, etc) can be assigned by system controller.
- · Access control by user IDs and password.
- · Enforced password change and revert function (optional).
- · All passwords are encrypted.
- · Database protection through internal check sum and matching of image attributes.
- VIP accounts control (accounts that can only be viewed by specific authorised personnel).
- · Account blocking and override
- Alert messages with buzzer and color.

8) System Logging

- · All successful system logins, illegal system login attempts, and program execution activities are logged.
- All update processes are automatically logged by system.
- Inquiry statistic are logged (Details of inquiry are not logged because huge amount of storage is required to keep all the inquiry activities).

(9) System Management And Auditing Reports

- · Account Base Update Report
- · Override Report
- Inquiry Statistic Report
- · Account Base Capacity Analysis Report
- Account Base Integrity Report

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