NeSL

National E-Governance Services Ltd.

INFORMATION UTILITY

DIGITAL DOCUMENT EXECUTION

WITH DIGITAL ESTAMP
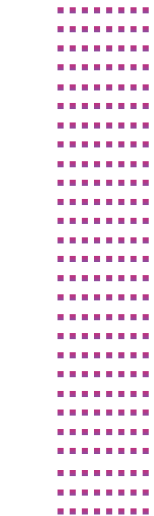
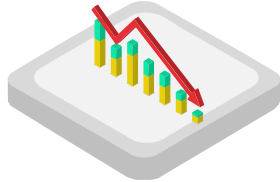# Current workflow for executing contracts

NeSL
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INFORMATION UTILITY

Physical workflow

15 days TAT on an average

Customer Loan Requirement

Contract Drafting and Printing
(07 Days)

Stamp Duty Procurement
(03 Days)

Physical Signature
(05 Days)

Physical Storage Of Contract

Loss of Person-Hours/ Productivity/ Profitability for Lenders, Hampers overall Customer Experience

Pre filled Agreement
(5-7 MINS)

Stamp Duty Procurement
(3-4 DAYS DELAY)

Digital E-Signing
(5-7 MINS)

AADHAAR

The process efficiency is still missing

Semi-Automated workflow

5 days TAT on an average
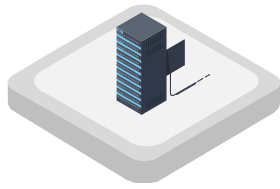
Disadvantages of the current workflow

Inefficient contracting system resulting into reduction of profitability & decreased productivity

Long loan disbursement cycle

Immediate loan requirements are not addressed

Cost of document storage is very high

Stamp Paper payment/procurement is still a bottleneck in the process

Each document requires several signatures i.e. Loss of time

Introducing

Digital Document Execution (DDE)

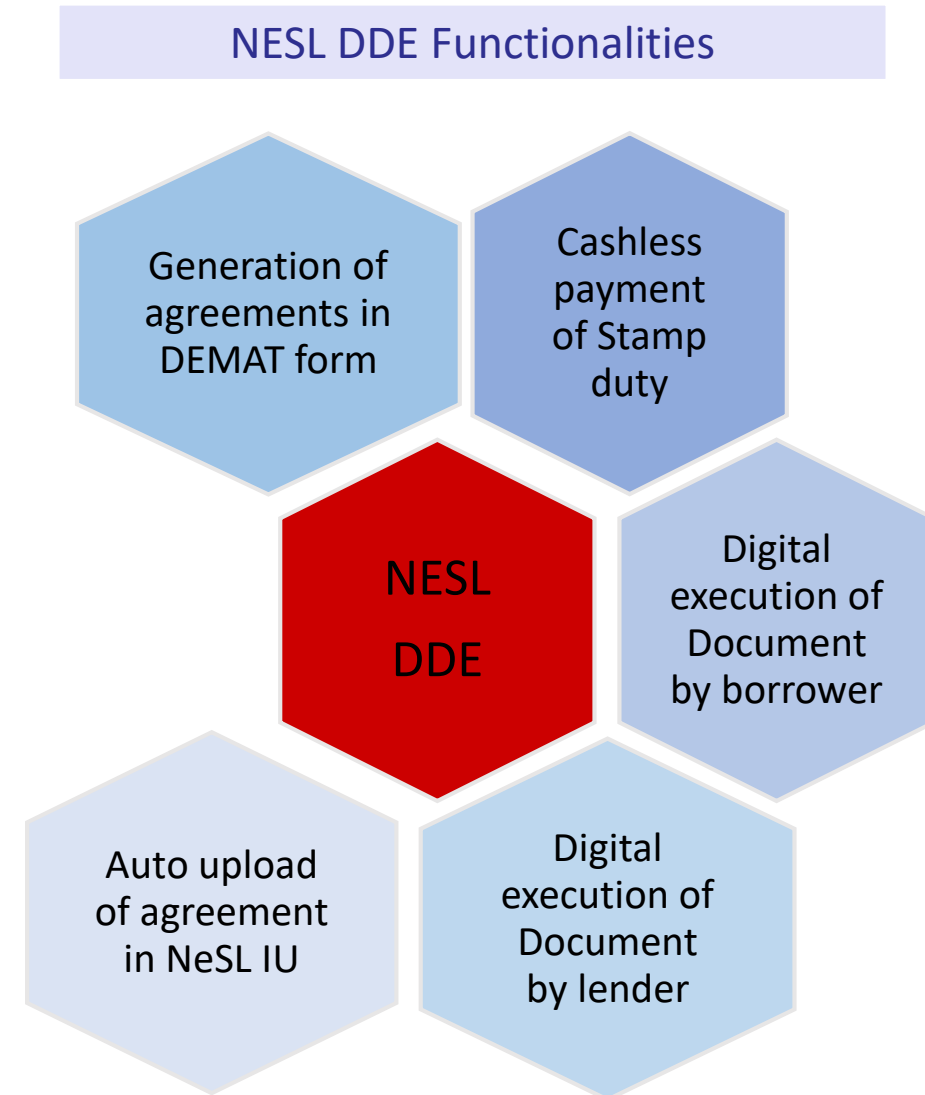*An advanced fully automated contract execution platform*
*by*

NESL DDE – PLATFORM OVERVIEW

Digital Document execution (DDE) was formulated under the guidance of MoF and IBBI with following objectives:

- Dematerialization of the document execution and customer acquisition transactions.

- Online stamp duty payment and receipt of stamp certificate

- Optimization of financial and human resources on account of adoption of paperless green processes

- Support information needs of loan exchange platform

- Serve as a repository for digitally executed loan documents

- Offered as a service to lending institutions which translates into minimal CAPEX based implementation

NESL DDE Functionalities

Generation of agreements in DEMAT form

Cashless payment of Stamp duty

NESL DDE

Digital execution of Document by borrower

Auto upload of agreement in NeSL IU

Digital execution of Document by lender

NESL DDE – PLATFORM COMPONENTS

DEMAT CONTRACT GENERATION

- The contract generation module supports generation of Contract Document in a Dematerialized / paperless form.
- Lending institutions can generate the loan contract *in their own format* by simply sharing the variable data associated with the transaction.
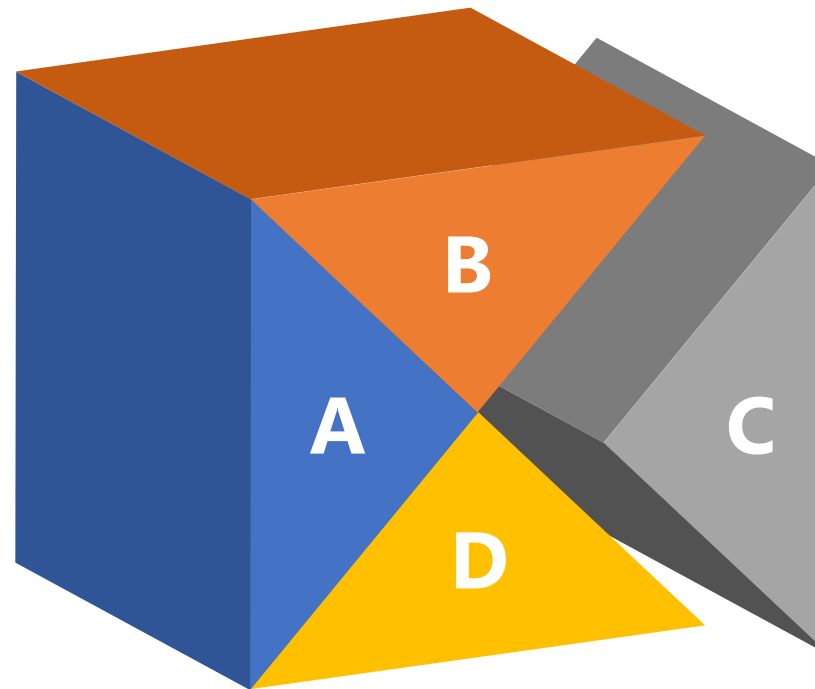
ESIGNATURE (e-SIGN)

DDE platform is integrated with a robust and versatile eSign which supports following modes of eSignature:

- OTP base Aadhaar eSign
- Biometric based Aadhaar eSign
- eSign by using DSC Dongle

All these modes of eSign are valid as per the Information Technology Act 2000

http://www.cca.gov.in/eSign_gazette_notification.html
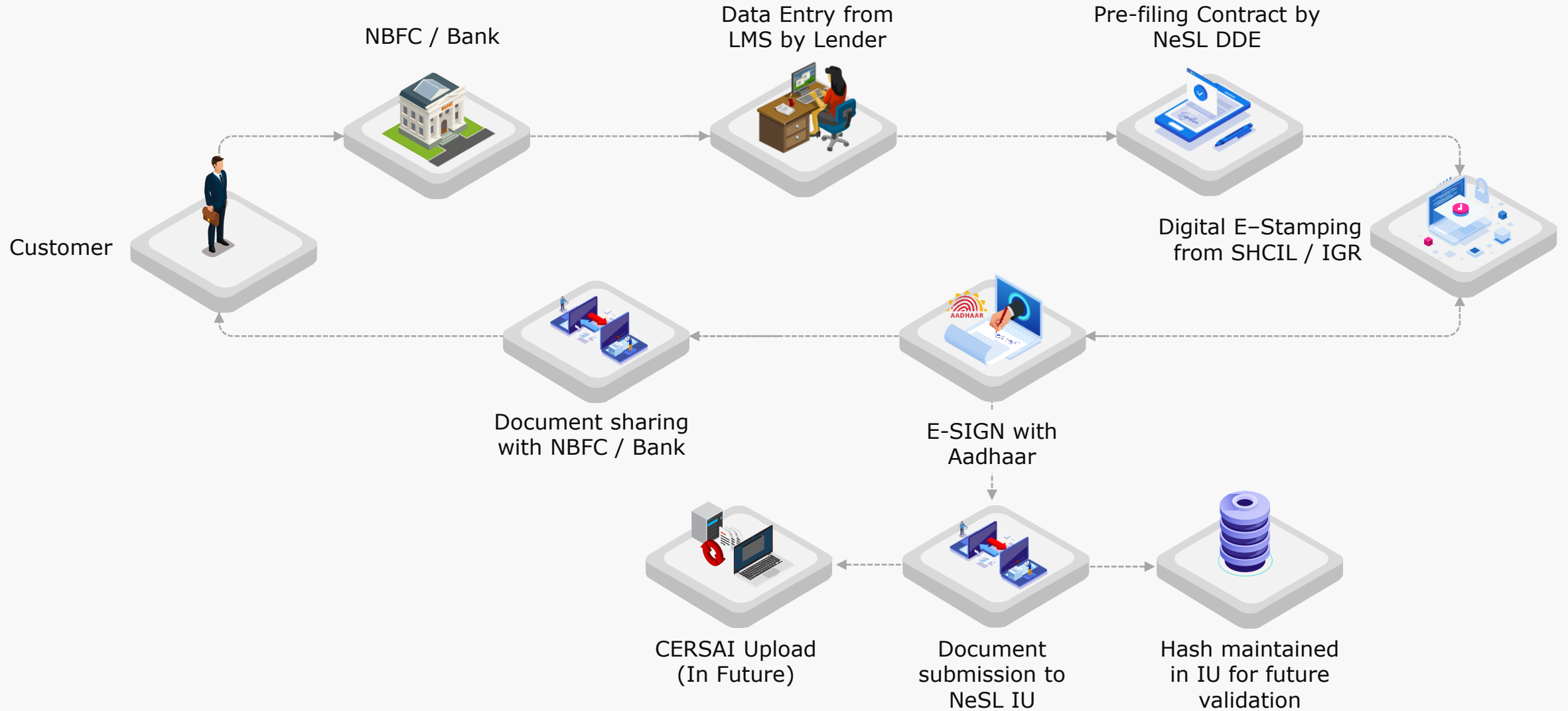
ESTAMPING (Optional)

- eStamping module is an integral part of the DDE platform and facilitates instant on-the-fly payment of Stamp Duty in an automated and paperless manner.

DOCUMENT UPLOAD

DDE solution is integrated with a built-in document upload feature which facilitates automated uploading of executed document in the LMS / DMS of the partner lending institution

NeSL DDE: Features

Paperless : Comprehensive process that integrates with lenders' existing online loan system through APIs

Digital E-Stamping : Online & real-time generation of stamp duty certificate inscribed with a unique stamp duty number from SHCIL/ IGR

Digital Sign/E-Sign : Aadhar based e-sign services for execution of various loan documents.

Electronic Contract : Digital Contract by merging of text document along with stamp duty certificate.

Templatization : Prefill agreement and easy template management

Document Storage : Document is stored along with the hash for future validation

DDE Workflow

Customer

NBFC / Bank

Data Entry from LMS by Lender

Pre-filing Contract by NeSL DDE

Digital E–Stamping from SHCIL / IGR

Document sharing with NBFC / Bank

E-SIGN with Aadhaar

CERSAI Upload (In Future)

Document submission to NeSL IU

Hash maintained in IU for future validation

How NeSL DDE facilitates Ease of Doing Business

Cost Reduction

- Cost of house keeping and retrieval of documents can be saved
- Runner cost, storage cost, retrieval reduces 1/10th of the cost of Physical Contracting

Safety & Security

- Reduction in the fraud cases
- Secure & online Transactions
- Aadhar linked signing
- Password Protected PDF
- 2FA for borrower

Speedy Processing

- Time Saving in stamping execution, storage & Retrieval of physical docs
- Online Process
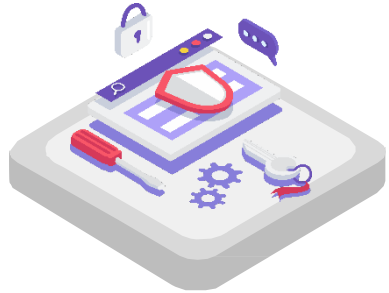- Quick E-Stamping
- No Manual Intervention

Process Uniformity

- DDE with a click rather than signing documents & several page signing
- Uniform process for all banks across states & platforms

DDE reduces physical proximity to sign contracts

Highly secured DDE platform

Digital Document Execution platform offers best in class data security:

Secure API

The API is transmitted on a SSL (Secure Sockets Layer) protocol

Advanced Encryption

The json request in the DDE API is encrypted

Password Protected PDF

One time password (OTP)

Server to Server IP whitelisting

S2S IP whitelisting between the submitting application and DDE application.

Various types of E-Signs to simplify authentication process

No more multiple bank visits

No more Multiple Signatures

No more Hassles of Signature mismatch
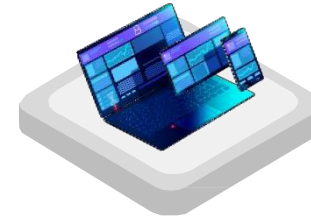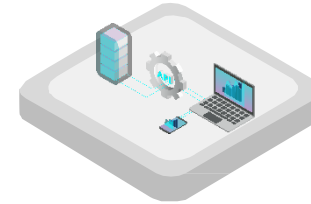
Web-based and mobile-friendly platform

3 ways to perform E-Signature

Aadhar based OTP e-Sign

Biometric based e-Sign

Dongle based e-Sign

Audit logs and trails

Evidence is maintained

Benefits of DDE to Lender

Seamless digital journey saves resource cost

Lenders get 65B Certificate from NeSL,
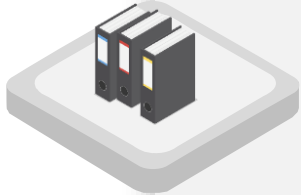
As per Sec 99(3) IBC 2016 'Record of Debt' is Non-Repudiable

Digital E-stamp procurement

Instant authentication of loan disbursed in IU

Remote e-sign: great convenience

Easy retrieval and access during dispute
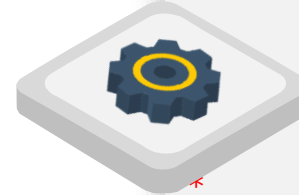
One stop for all state with e-stamping

DDE Wallet

The wallet of Digital Document Execution streamlines the whole process using:

- State-wise Fund Allocation
- Live status of Net Credits
- Live Fund Status
- Live e-Sign Status
- Live Reconciliation Status

DDE Digital Wallet ensures seamless Business Continuity
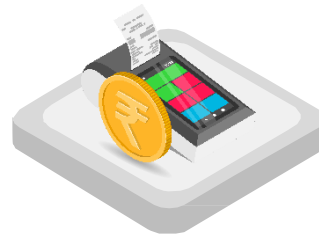
Prepaid Wallet – Virtual Account Number

State wise fund allocation

Real-time notifications

Live utility dashboard

Reconciliation bookkeeping system

Live monitoring of document movement status

NeSL
National E-Governance Services Ltd.
INFORMATION UTILITY

2016
Incorporated

65%
Public Sector Equity

17
Shareholders

=

13 + **3** + **1**

Banks | Insurance Companies | Depository

Banks

Bank	%		%	Bank
SBI	10%		5%	Indian Bank
Canara Bank	10%		5%	Punjab national bank
Bank of Baroda	10%		5%	Union Bank of India
ICICI Bank	9.9%		4%	DENA BANK
AXIS BANK	9.5%		1.6%	SIDBI
Karnataka Bank Ltd.	6%		2%	NABARD
HDFC BANK	5%			

Insurance Companies, Depository

%	Company
5%	NEW INDIA ASSURANCE
2%	UNITED INDIA INSURANCE CO. LTD.
6%	LIC
4%	Central Depository Services (India) Limited

DDE provides a whole new
Contracting Experience
Faster | Secure| Efficient | Cheaper
Leveraging the legal evidentiary value in IU

WHAT IS NOT COVERED UNDER DDE

Electronic Signature (eSign) derives its constitutional validity from the IT Act, 2000.
As per the Section 1(4) of the IT Act, 2000, electronic signatures or the IT Act itself is not applicable to:

- ✓ Any class of documents as stipulated by the Central Government by way of a notification published in the Official Gazette a time to time.

- ✓ Any sale of immovable property in India or any contract, interest or conveyance in such property.

- ✓ Power of Attorney as per Section 1A of the Powers of Attorney Act, 1882.

- ✓ A will and/or testament as per Section 2(h) of the Indian Succession Act, 1925.

- ✓ A negotiable instrument as per Section 13 of the Negotiable Instruments Act, 1881.

- ✓ A trust as per Section 3 of the Indian Trusts Act, 1882.

DDE Workflow

Process flow of e-stamp and e-signature

BANK

STEP 1
Bank passes information to NeSL
1. Debtor details
2. Loan details
3. Details of security (in case of secured loan)
4. Stamp Duty amount and Article Number

STEP 12
NeSL passes completed document to Bank

NeSL

STEP 2
NeSL invites & verifies borrower for preview of document followed by API request to E-Stamp Authority:
1. Party details
2. Consideration amount
3. Instrument and stamp duty

STEP 4
NeSL receives e-Stamp certificate and embeds it on the pages of document and presents it to the Borrower for acceptance

STEP 10
NeSL embeds the digital signature at all identified place-holders on the PDF containing e-stamp of loan agreement

E-Stamp Authority (SHCIL/GRAS)

STEP 3
Online debit from pre-paid account held by E-Stamp Authority for Stamp Duty amount. E-Stamp Authority generates an returns the e-Stamp Certificate to NeSL

Customer

STEP 5
Customer verifies the content of the e-stamp Certificate and agreement documents together as a single PDF

STEP 6
Customer has options of DSC, Aadhaar E-sign – Biometric or OTP – and clicks on link to e-sign the document.

STEP 8
Customer enters his/ her Aadhaar number or VID and enters the OTP

STEP 11
Customer is redirected back to NeSL portal or Bank page and can view and download the e-signed and e-stamped agreement as a single PDF

E-sign Service Provider – C-DAC

STEP 7
Customer is re-directed to C-DAC Portal for Aadhar based e-signature.

STEP 9
C-DAC returns the digital signature value to NeSL