Aadhaar Seeding

What is seeding?

It is a process whereby UID is added to the database of beneficiaries.

In simple words, each beneficiary is identified by beneficiary number (such as Job card number and UID).

As a result, the database of beneficiaries contains the details of beneficiary such as name, beneficiary identifier no (such as job card no, pension no etc), and UID.

Benefits of Aadhaar Seeding

For the Government (or any other agency offering services or benefits), seeding of UID number in beneficiary database serves to uniquely identify its beneficiaries. When each of the beneficiaries is uniquely identified, the database of beneficiaries can be cleansed of:

a. all beneficiaries who are non-existent (as non-existent persons cannot get UID)
b. all beneficiaries who are claiming the benefit more than once as a UID can occur only once in the database and one person can have only one UID
c. Of all beneficiaries who are claiming benefits in the names of others. Such persons will not be able to authenticate themselves

This ensures that Government has a robust and clean database.
Seeding Methods

Seeding can be of primarily two types:
- a. Inorganic seeding
- b. Organic seeding

What is Inorganic Seeding?
Here seeding is done without involvement of the beneficiary. The database is updated with UID by programming tools.
Inorganic Seeding

Pre-requisites for Inorganic Seeding
For Inorganic seeding the following data is required
- Digitized database of beneficiaries
- KYR+ data from Enrolment Agencies
- EID-UID database to be created with the help of EID-UID XML files received from UIDAI (CIDR)

The fields of Ration card number or Job Card Number and EID of the beneficiary are picked from the KYR+ data and seeded against the EID of that family member by comparing the name of Ration card family member name with Aadhaar Name.

Subsequently, they picked the corresponding UID from the EID-UID database and seeded the UID against the family member.

Types of Aadhaar Seeding

What is Organic Seeding?
Organic Seeding happens when details of UID are collected by interaction of concerned department officials, with the resident.

This can be collected by:
- Camps
- Door to door campaign
- Point of disbursement of wages/ pensions/ Fair Price Shop
- SMS (mobile) application / Web application where beneficiary can send the UID no to Govt Department

- It is possible that UID numbers are entered in a casual manner.
- Incorporating Verhoeff algorithm in the software application helps in minimizing the errors which creep in due to casual data entry. Verhoeff algorithm must be implemented for error detection of UID. Seeding module is developed to receive correct data and to reduce data entry effort of the District administration.
Steps to seed Aadhaar numbers
Inorganic

**Step 1 Capture**
- Aadhaar KYR Availability
- State Resident Data Hub (SRDH) or equivalent
- Department KYR Availability
- Digitize & Translate (to English) as necessary
- User Access to both KYRs

**Step 2 Validate**
- System Assisted Validation (SRDH seeding tools or equivalent)
- Accept or Reject system recommended Aadhaar record for each given Department Beneficiary record
- OR
- Auto-accept system selected Aadhaar record for each given Department Beneficiary record

**Step 3 Link**
- Export the list of validated Aadhaar number and Department Beneficiary ID pairs
- Optionally export the Aadhaar KYR data also
- Load the data into departmental database
- Use the Aadhaar number and KYR data in service delivery
- Clean departmental KYR
- Use Aadhaar authentication
- Use Aadhaar based payments

Steps to seed Aadhaar numbers
Organic

**Step 1 Capture**
- Connect with residents using such options as:
  - Camps, Door-to-Door campaigns, At resident touchpoints, e.g., POS shop, HMIS shop, CGHS etc.; Self service channels e.g., online or through SMS etc.
  - Collect UID numbers and program ID
  - Leverage tools such as Veriheal Algorithm (for correct Aadhaar format validation only) or SRDH (to view Aadhaar KYR)

**Step 2 Validate**
- Validate by comparing Aadhaar KYR to Program KYR using one or more of the following options:
  - Manual Verifier sign-off (and digitize dept data if not done)
  - Demographic Authentication (AUA dependency)
  - Validation can be done at capture by operator comparing Aadhaar letter vs. Departmental paper copy (e.g., Job Card) if acceptable to service provider

**Step 3 Link**
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What is Remote Aadhaar Seeding Framework? [RASF]

- RASF is online at https://rasf.uidai.gov.in
- Enables Departments/ Banks/ OMCs to link Aadhaar numbers to existing beneficiary identities
- Scheme admin controls RASF access & usage

Input Seeding Requests through multiple channels directly from Residents or indirectly from Seeders

- Seeding Request = UID + Beneficiary ID
- Residents can submit via RASF website or SMS
- Seeders can submit on behalf of residents (in bulk mode also through excel upload)
- Scheme owner can decide their own channels and connect through seeder (ex. Call Centers, ATMs etc)

Verify by comparing Aadhaar record to Dept. Beneficiary record

- Verifiers can validate Seeding Requests
- Can have multiple verifiers, say by district (Dept.) or branch (Bank) or dealer (LPG) etc.
- System automatically routes requests to the correct verifier
- Scheme admin can monitor performance of users & download reports

RASF – Creation of Verifier Account

Access URL: https://rasf.uidai.gov.in/seeding/Login.aspx
Click on Create User Account as shown below
RASF – Creation of Verifier Account

Fill the information as shown in the Screenshot below

This page is only for Authorized Officials. Residents trying to enter Aadhaar for linking, please click here.

- Registration Process
  - Access Rights
    - Login
    - Login
    - Profile
    - Setup
    - Exit

- Personal Information
  - Full Name:
  - Gender:

RASF – Creation of Verifier Account

Fill the personal information and click on “Step 2”

Phone (Mobile):
Email Address:
Designation:
Department:
Employee No.:
Aadhaar No.:
Username:
Password (Min. 8 Characters):
Confirm Password:
Mother Tongue:

Step 2  Reset  Cancel
RASF – Creation of Verifier Account

Verifier request is approved by the Admin User thereafter verifier can start using the credentials for login as authorized official. Verifier is notified by email after approval. Password needs to be changed during first time login as indicated in the screenshot below.

RASF – Verifier User

Seeding requests assigned to particular verifier will be available on Home Screen once he logs in (as evident in the screenshot below). Verifier clicks on "Verify" button available against a particular record.
RASF – Verifier User

Verifier on click of “Button”, data from UIDAI & ePASS is fetched and shown on the screen as shown below in the screenshot.

RASF – Verification Guidelines

Verifier needs to follow the guidelines provided by Social Welfare Dept to verify the UID seeding of beneficiaries. Guidelines for accepting the record include:

- Name of beneficiary (on left hand side of screen – From UIDAI) and Name of beneficiary (on right hand side of screen – From ePASS) should be matched. Name can be a partial match (Spelling mistakes may be ignored) or exact match.
- Photo of beneficiary should match on both sides of screen.
- Gender should match on both sides of the screen.
- Date of Birth/Age may be matched on both sides of screen.
- Address (including Pin code) may be matched on both sides of the screen.

If the Verifier is not satisfied with match, record may be rejected with appropriate reason.
MicroATM/POS Device - Seeding

1. Resident goes to bank ATM for banking service
2. ATM prompts resident for 12 digit Aadhaar Number entry
3. Bank gets Aadhaar Information
4. Bank sends Aadhaar number for Demographic Authentication to CBI. Bank receives data of both match and partial name match value set at 50% for authentication.
5. On successful authentication, bank sends Aadhaar Number in the customer table of core-banking system

Planning Commission Guidelines

- Digitalised list of beneficiaries must be prepared district wise and handed over to District Collector
- District administration will organize camps for Aadhaar Seeding
- Lead Bank of District must ensure bank account seeding and update to NPCI Mapper
DFS Guidelines

- Banks had been advised vide D.O. No. 6/23/2012-FI (Vol.II) dated 04.12.2012 to accept the details of Aadhaar Numbers and Bank Accounts (into which benefits are to be transferred) sent to them by the concerned Departments and seed into the account information. In such cases there would be no need of asking account holder to furnish Aadhaar information again to the banks.

- Banks should immediately, on receipt of Beneficiary database prepared by the Government user Departments as per Annexure 'C' of the Planning Commission guidelines, seed the Aadhaar Number in the CBS.

- Please refer link for more details:

Beneficiary List Workflow Management

http://dbtapp.gov.in
**LPG Seeding**

**Tools available for LPG Seeding**

- Usage of RASF (Remote Aadhaar Seeding Framework) by Residents and Gas Agencies. Resident can use RASF for Self-seeding while Gas agencies can do Batch Upload of Seeding.

- Call 18002333555 and inform your Aadhaar number and mobile number to the call center.

- SMS your Aadhaar number and Customer Number to 9848824365.

- IVRS for informing Aadhaar number and Customer Number to 9848824365.

- Submission of KYC forms to Dealer and hard copy of Aadhaar Letter.

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**Department wise Seeding**

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Aadhaar Seeding- Best Practices

- Verhoeff algorithm has been suggested to various departments for seeding of Aadhaar numbers into various database of beneficiaries (widely used by departments in AP). It helps to minimize the errors due to casual entry of Aadhaar number.

- Usage of KYR+ Data by F&CS Dept for Inorganic Seeding

- Usage of RASF (Remote Aadhaar Seeding Framework) tool provided by UIDAI for Seeding and Validation of Seeding Data by Gas Agencies. Currently, Social Welfare, Rural Development, Govt Exams and F&CS are on-boarding for availing RASF Services

- Camp mode approach is used by F&CS in East Godavari District to collect and validate Seeded Data

- POS based seeding wherein UID of beneficiary is first authenticated and then seeded in beneficiary database.

THANK YOU