Technical Specification For all Aadhaar Enquiry Services

UID-ST/ UID-MAP/API/Bank MIS

V1.1

NPCI
भारतीय राष्ट्रीय भुगतान निगम
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1. Introduction

The purpose of this document is to inform the banks regarding the changes in aadhaar enquiry services.

1. Aadhaar masking in aadhaar enquiry services such as API,UID-ST/UID-MAP file and Bank MIS Tab
2. Introduction of new field “Input Reference Number” in UID-ST/UID-MAP file
3. Aadhaar mapping details only to the bank to which the Aadhaar number is mapped
4. Introduction of new status “C- ***Aadhaar Cancelled by UIDAI***” w.r.t UID-ST/UID-MAP file
5. Introduction of new status “4”-Cancelled by UIDAI w.r.t API

2. Existing Formats

2.1 File Level

Currently the file upload of UID-MAP functionality is disabled for ***ACH member banks*** as it is displaying customer related information. Ie it displays the bank name and IIN to all requested bank irrespective of whether the Aadhaar number is currently mapped to requested bank or not. There is no aadhaar masking at output file.

Input of the both UID-ST and UID-MAP files are same. Currently the input file contains only one filed "Aadhaar number" at record level. A single Input file can have maximum of 5 lakhs records.

UID-ST Input File

File Name: ***UID-ST-XXXX-XXXXMaker-2111018-000001-INP.txt***

Sr.No	Field Name	Data Type	Length	Mandatory	Remarks
1	Aadhaar Number	Number	12	Yes	Raw Aadhaar Number

UID-ST Output File

File Name: ***UID-ST-XXXX-XXXXMaker-21112018-000001-RES.txt***

Sr.No	Field Name	Data Type	Length	Mandatory	Remarks
1	Aadhaar Number	Number	12	Yes	**Input value** will be shown
2	Status Code	Number	1	Yes	The applicable values are 0,1,2 & 3

Note: UID-MAP format is disabled for banks

Status Code:

Status Codes	Description
0	Active
1	Inactive
2	Not available in DB
3	Not Valid Aadhaar number

2.2 API Level

Aadhaar Masking is applicable for all aadhaar related enquiry API only. Masking of aadhaar number in such a way that middle 4 digits in Aadhaar number will be masked as "XXXX" and rest of digits will be shown as it is.

Aadhaar Query Request:

Sr.No	Field Name	Data Type	Length	Mandatory	Remarks
1	Aadhaar Number	Number	12	Yes	Raw Aadhaar Number
2	Mobile Number	Number	10	No	984563739
3	Request Number	ALP NUM	10	Yes	XXXX100001
4	Requested date timestamp	Date	10	Yes	Format is YYYY-MM-DD

Aadhaar Query Response:

Sr.No	Field Name	Data Type	Length	Mandatory	Remarks
1	Aadhaar Number	Number	12	Yes	4567XXXX2345
2	Mobile Number	Number	10	No	As in Input
3	Request Number	ALP NUM	10	Yes	As in Input
4	Requested date timestamp	Date	10	Yes	Format is YYYY-MM-DD
5	Request received date time	Timestamp		Yes	
6	Error	ALP NUM		No	
7	Bank Name	ALP NUM		No	XXXX Bank
8	Status	ALP NUM		No	A/I
9	Last updated date	Timestamp		No	
10	Processed date timestamp	Timestamp		Yes	

Aadhaar Status Request:

Sr.No	Field Name	Data Type	Length	Mandatory	Remarks
1	Aadhaar Number	Number	12	Yes	Raw Aadhaar Number
2	Mobile Number	Number	10	No	984563739
3	Request Number	ALP NUM	10	Yes	XXXX100001
4	Requested date timestamp	Date	10	Yes	Format is YYYY-MM-DD

Aadhaar Status Response:

Sr.No	Field Name	Data Type	Length	Mandatory	Remarks
1	Aadhaar Number	Number	12	Yes	4567XXXX2345
2	Mobile Number	Number	10	No	As in Input
3	Request Number	ALP NUM	10	Yes	As in Input
4	Requested date timestamp	Date	10	Yes	Format is YYYY-MM-DD
5	Request received date time	Timestamp		Yes	
6	Error	ALP NUM		No	
7	Bank Name	ALP NUM		No	XXXX Bank
8	Status	ALP NUM		No	A/I
9	Mandate Flag	ALP NUM		No	
10	Mandate Date	Date	10	No	Format is DD-MM-YYYY
11	OD Flag	ALP NUM		No	
12	OD Date	Date	10	No	Format is DD-MM-YYYY
13	Last updated date	Timestamp		No	
14	Processed date timestamp	Timestamp		Yes	

2.3 Bank MIS

Bank MIS Tab is disabled for banks

3. New Formats

3.1 File Level

The functionality of UID-MAP and Aadhaar Status should be enabled for all ACH member banks without exposing details of the Aadhaar number which are not mapped to the requested bank. With this alteration, bank can continue to view/know the other Aadhaar specific information like status, mandate flag, OD date and OD flag.

UID-ST Input File

There is no change in existing file name for Input file. New Field "Input Reference Number" is added at record level.

File Name: ***UID-ST- MASKEDST XXXX-XXXXMaker-2111018-000001-INP.txt*** ***(****change in existing file name****)***

Sr.No	Field Name	Data Type	Length	Mandatory	Remarks
1	Input Reference Number	ALPNUM	7	Yes	*New field*
2	Aadhaar Number	Number	12	Yes	Existing field

UID-ST Output File

There is no change in existing file name for output file. New Field "Input Reference Number" is added at record level to reconcile the request- response since aadhaar number is masked at output file. New Status Codes are added for validation of new field & new functionality.

File Name: ***UID- MASKEDST-XXXX-XXXXMaker-21112018-000001-RES.txt*** ***(****Change in existing file name****)***

Sr.No	Field Name	Data Type	Length	Mandatory	Remarks
1	Input Reference Number	Alpnum	7	Yes	*New field*
2	Aadhaar Number	Number	12	Yes	Existing Field. **Masked value** will be shown
3	Status Code	Number	1	Yes	Existing. The applicable values are 0,1,2,3,*4,5,6,7,8*

UID-MAP Input File

There is no change in existing file name for Input file. New Field "Input Reference Number" is added at record level.

File Name: ***UID-MASKEDMAP-XXXX-XXXXMaker-21112018-000004-INP.txt*** *(Change in existing file name)*

Sr.No	Field Name	Data Type	Length	Mandatory	Remarks
1	Input Reference Number	ALPNUM	7	Yes	*New field*
2	Aadhaar Number	Number	12	Yes	Existing field

UID-MAP Output File

There is no change in existing file name for output file. New Field "Input Reference Number" is added at record level to reconcile the request- response since aadhaar number is masked at output file. New Status Codes are added for validation of new field & new functionality.

File Name: ***UID-MASKEDMAP-XXXX-XXXXMaker-21112018-000004-RES.txt*** *(Change in existing file name)*

Sr.No	Field Name	Data Type	Length	Mandatory	Remarks
1	Input Reference Number	Alpnum	7	Yes	*New Field*
2	Aadhaar Number	Number	12	Yes	Existing Field. ***Masked value**** will be shown
3	Status Code	Number	1	Yes	Existing. The applicable values are 0,1,2,3,*4,5,6,7,8*
4	Mandate Flag	Char	1	No	Existing field. Y | N | null
5	OD Flag	Char	1	No	Existing field. Y | N | null
6	OD Date	Date	10	No	Existing. Format is YYYY-MM-DD
7	Mapped IIN	Number	6	No	
8	Bank Name	ALP NUM	80	No	
9	Last Update Date	Date	10	No	Existing. Format is YYYY-MM-DD

Masked value*

First 8 digits in Aadhaar number will be masked as *"XXXXXXXX"* and last four digits will be shown as it is. The masking is applicable for failure record as well, where the length of the Input Aadhaar number is greater than 4.

Revised Status Code:

Status Codes	Description
0	Active
1	Inactive
2	Not available in DB
3	Not Valid Aadhaar number
4	Cancelled by UIDAI
5	Invalid Record; should contain exactly two Input Fields
6	Invalid Input Reference Number – Should contain only numbers and should have maximum of 7 digits
7	Duplicate Reference Number
8	Duplicate Aadhaar Number

If Aadhaar Number passed all the validations, then please find the output values based on requested bank.

Aadhaar Number belongs to Requested Bank

1. Status should be 0 (or) 1. '0' for Active status and '1' for Inactive status
2. Bank name is requested bank name
3. IIN field is requested bank IIN
4. Below details are provided as in system.
    - Mandate Flag
    - Last Update date
    - Od Flag
    - Od Date

Aadhaar Number does not belongs to Requested Bank

1. Status should be 0 (or) 1. '0' for Active status and '1' for Inactive status
2. Bank name is "***Not Mapped to your Bank***"
3. IIN field is "**null**"
4. Below details are provided as in system.
    - Mandate Flag
    - Last Update date
    - Od Flag
    - Od Date

Aadhaar Number belongs to UIDAI Bank

1. Status should be "***4-Cancelled by UIDAI***"
2. Bank name field is "***Aadhaar Cancelled by UIDAI***"
3. IIN as ***null***
4. Mandate Flag as ***null***
5. Last Update Date as ***null***
6. OD Flag as ***null***
7. OD Date as ***null***

3.2 API Level

Aadhaar Masking is applicable for all aadhaar related enquiry services. Masking of aadhaar number in such a way that first 8 digits in Aadhaar number will be masked as "XXXXXXXX" and last four digits will be shown as it is.

In addition to the above changes all Aadhaar enquiry API functionality (status view) new status "C" for the Aadhaar numbers which are cancelled by UIDAI.

Aadhaar Query Request:

Sr.No	Field Name	Data Type	Length	Mandatory	Remarks
1	Aadhaar Number	Number	12	Yes	Raw Aadhaar Number
2	Mobile Number	Number	10	No	984563739
3	Request Number	ALP NUM	10	Yes	XXXX100001
4	Requested date timestamp	Date	10	Yes	Format is YYYY-MM-DD

Aadhaar Query Response:

Sr.No	Field Name	Data Type	Length	Mandatory	Remarks
1	Aadhaar Number	Number	12	Yes	XXXXXXXX2345
2	Mobile Number	Number	10	No	As in Input
3	Request Number	ALP NUM	10	Yes	As in Input
4	Requested date timestamp	Date	10	Yes	Format is YYYY-MM-DD
5	Request received date time	Timestamp		Yes	
6	Error	ALP NUM		No	
7	Bank Name	ALP NUM		No	XXXX Bank
8	Status	ALP NUM		No	A/I/C
9	Last updated date	Timestamp		No	
10	Processed date timestamp	Timestamp		Yes	

Aadhaar Status Request:

Sr.No	Field Name	Data Type	Length	Mandatory	Remarks
1	Aadhaar Number	Number	12	Yes	Raw Aadhaar Number
2	Mobile Number	Number	10	No	984563739
3	Request Number	ALP NUM	10	Yes	XXXX100001
4	Requested date timestamp	Date	10	Yes	Format is YYYY-MM-DD

Aadhaar Status Response:

Sr.No	Field Name	Data Type	Length	Mandatory	Remarks
1	Aadhaar Number	Number	12	Yes	XXXXXXXX2345
2	Mobile Number	Number	10	No	As in Input
3	Request Number	ALP NUM	10	Yes	As in Input
4	Requested date timestamp	Date	10	Yes	Format is YYYY-MM-DD
5	Request received date time	Timestamp		Yes	
6	Error	ALP NUM		No	
7	Bank Name	ALP NUM		No	XXXX Bank
8	Status	ALP NUM		No	A/I/C
9	Mandate Flag	ALP NUM		No	
10	Mandate Date	Date	10	No	Format is DD-MM-YYYY
11	OD Flag	ALP NUM		No	
12	OD Date	Date	10	No	Format is DD-MM-YYYY
13	Last updated date	Timestamp		No	
14	Processed date timestamp	Timestamp		Yes	

3.3 Bank MIS

Aadhaar Number belongs to Requested Bank

If aadhaar enquiry is for aadhaar number belongs to requested bank, then all the field values display as exist. There is no change in output

Aadhaar Number does not belongs to Requested Bank

If aadhaar enquiry is for aadhaar number does not belongs to requested bank , then the Bank name should be shown as "***Not mapped to your Bank***" and other filed values should display as exist.

Aadhaar Number belongs to UIDAI Bank

If aadhaar enquiry is for aadhaar number does not belongs to UIDAI bank, then the status is "**C**" and the Bank name is "***Aadhaar Cancelled by UIDAI***". And the other all fields like Mandate Flag, Mandate Date, OD flag, OD date Insertion Date is ***blank***.

Note:
First 8 digits in Aadhaar number in output will be masked as ***"XXXXXXXX"*** and last four digits will be shown as it is.

4. Sample Files

UID-ST Input File

UID-MASKEDST-SBI
N-SBINMaker-21110

UID-ST Response File

UID-MASKEDST-SBI
N-SBINMaker-21112

UID-MAP Input file

UID-MASKEDMAP-S
BIN-SBINMaker-211

UID-MAP Response File

UID-MASKEDMAP-S
BIN-SBINMaker-211

AAdhaar Query

Aadhaar Query.zip

Aadhaar Status

Aadhaar Status.zip