**Bulk Pran Enquiry Document**

**1.1 Service Name**: CRAOnlineAPI/bulkPran/subAccStatus/{entityRegNo}

**Request Method**: POST

Nodal offices will use this service to get

(i) The status of specific PRANs provided as input & mapped to the entity or

(ii) The list of all inactive & de-active PRANs mapped to requesting entity as on date of request.

**Input parameters:**

**Table 1:** Inputs required for getting account status of PRANs are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Input Parameter** | **Datatype** | **Data Length** | **Comments** |
|  | entityRegNo | String | 7 | Entity Registration Number of the entity who is requesting data through web service (as request parameter in URL) |
|  | Identity | String | NA | Value for this field will be entityRegNo encrypted by serial number of DSC and saltkey which should be shared as ‘saltkey’ in header request. [File containing Encryption code is attached below for reference]  (in Request Header ) |
|  | saltKey |  | 15 | Value for this field is used to encrypt entityRegNo as mentioned above in identity field. (Alphanumeric Value :- Length 8 to 15) |
|  | funcName | String | NA | For Bulk PRAN enquiry, it should be ‘**Bulk Pran Enquiry**’. |
|  | requestId | String |  | It will be a combination of entityRegNumber(max 7 digit)+date(ddmmyyyy)+running\_sequence\_number(3 digits starting from 001) |
|  | pranEnqReqObj | Json Object | NA | Please refer Table 2 for attributes of ‘pranEnqReqObj’ object. |

**Table 2:** Table describing “pranEnqReqObj’” object structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Field Name** | **Data type** | **Remarks** |
| 1 | repType | String | 1. Valid Values: I or A (This field is mandatory only if functionName = ‘**Bulk Pran Enquiry’**) 2. If this field is ‘**I’**, then list of all the PRANs, which are inactive /de-active/ suspended / freeze, will be shared in output. 3. If this flag is ‘**A’,** then nodal office needs to provide the list of PRANs along with their tier type. This list needs to be provided in file. ( refer ‘filename’ & ‘fileData’ fields for this type of report) |
| 2 | Filename | String | This will be mandatory if ‘functionName’ = ‘**Bulk Pran Enquiry’** and ‘repType’ = ‘A’ |
| 4 | fileData | String | This will be mandatory if ‘functionName’ = ‘**Bulk Pran Enquiry’** and ‘repType’ = ‘A’  This will be caret (^) separated file csv/txt format file. The file to be sent in byte format and these bytes should be encoded using BASE64. Please refer Table 3 for file format. |
| 5 | Source | String | This is mandatory when ‘repType’ is ‘I’. This is optional if ‘repType’ is ‘A’. |

**Table 3:** Table describing input “fileData” format structure. File should be in text/csv format where values should be caret (^) separated.

**File Data should be in format: PRAN^TierType**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Field Name** | **Data type** | **Remarks** |
| 1 | Pran | String | PRAN of subscriber |
| 2 | tierType | String | 1. Valid Values: T1/T2, or BO. 2. If BO is selected, then two lines (records) will be present in the csv/text response i.e. one for T1 and other for T2. |

e.g: 110040001522^T1

110040001521^T2

**Output Response Format (JSON Format):**

**Table 4:** Output Object Structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Output Parameter** | **Data type** | **Remarks** |
| 1 | statusCode | Integer | In response Header |
| 2 | Status | String | In response Header |
| 3 | pranEnqResObj | Object (JSON ) | Please refer table 5 for attributes of ‘pranEnqResObj’ object. |

**Table 5:** Table describing “pranEnqResObj” object structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Field Name** | **Data type** | **Remarks** |
| 1 | fileRefNo | String | File/Request Reference Number to check the status. |
| 2 | fieldErrors | List<FieldErrorDTO> | Please refer table 6 for attributes of FieldErrorDTO Object |

**Table 6:** Table describing “FieldErrorDTO” object structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Field Name** | **Data type** | **Remark** |
| 1 | field | String | This will be name of the invalid field |
| 2 | errorMsg | String | This will be the error message for the invalid field mentioned at sr.no.1. |

**1.2 Service Name**: /CRAOnlineAPI/bulkPran/reqSts/{entityRegNo}

**Request Method**: POST

This service will be used to check the status of request and if request process is completed then service will provide output file in byte format.

Status can be checked using either of the below two fields.

1. File/Request Reference number
2. Request ID: Request ID used while submitting the request.

**Input parameters:**

**Table 1:** Inputs required for getting account status of subscribers are as follows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Input Parameter** | **Datatype** | **Data Length** | **Comments** |
|  | entityRegNo | String | 7 | Entity Registration Number of the entity who is requesting web service (as request parameter in URL) |
|  | Identity | String | NA | Value for this field will be encrypted Entity reg number by serial number of DSC and salt which should be shared as ‘saltkey’ in header request. [File containing Encryption code is attached below for reference]  (in Request Header ) |
|  | saltKey |  | 8 | Value for this field is used to encrypt entityRegNo as mentioned above in identity field. (Alphanumeric Value :- Length 8 to 15) |
|  | funcName | String | NA | For Subscriber list download, it should be ‘**Bulk Pran Enquiry**’. |
|  | pranEnqRqStsObj | Json Object | NA | Please refer Table 2 for attributes of ‘pranEnqRqStsObj object. |

**Table 2:** Table describing “pranEnqRqStsObj” object structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Field Name** | **Data type** | **Remarks** |
| 1 | reqRefNo | String | Search criteria field. This field is to be used to get the status as well as to download the output file if processing is completed. |
| 2 | requestId | String | Search criteria field. This field is to be used to get the status as well as to download the output file if processing is completed. |

**Note: Web service will consider only one-search criteria. If reqRefNo is provided then it will check against reqRefNo else, it will check against requestId if provided. If both are provided then the mapping of both the fields will be checked for correctness and if the mapping is not found then appropriate error will be sent.**

**Output Response Format (JSON Format):**

**Table 3:** Output Object Structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Output Parameter** | **Data type** | **Remarks** |
| 1 | statusCode | Integer | In response Header |
| 2 | status | String | In response Header |
| 3 | pranEnqResStsObj | Object (JSON ) | Please refer table 4 for attributes of ‘pranEnqResStsObj object. |

**Table 4:** Table describing “pranEnqResStsObj” object structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Field Name** | **Data type** | **Remarks** |
| 1 | fileData | String | This will be file data in byte format, which will be BASE64, encoded.  For Output Response file-format Please Refer table 6. |
| 2 | fieldErrors | List<FieldErrorDTO> | Please refer table 5 for attributes of ‘FieldErrorDTO’ Object | |
| 3 | status | String | Status of request processing.  C – completed  P – Pending  R – Rejected | |

**Table 5:** Table describing “FieldErrorDTO” object structure

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Field Name** | **Data type** | **Remark** |
| 1 | field | String | This will be name of the invalid field |
| 2 | errorMsg | String | This will be the error message for the invalid field mentioned at sr.no.1. |

**Table 6: Response File Format:**

1. **Response file format if Report Type is ‘A’:**

Data in Response file will be caret (^) separated. Data of each PRAN & tier will be on separate (new) line.

There will be two lines of records, each for Tier Type (T1 and T2) if entity requested data for both tiers.

**Table 6.1: Output Response file format**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **File Header** |  |  |
| **Sr. No.** | **Fields** | **Valid Values** | **Remarks** |
| H01 | Line Sequence Number | 1 |  |
| H02 | File Section Type (to specify flle header) | FH | File section type will be FH. No other value is allowed. FH indicates File Header |
| H03 | Date of response File generation (DDMMYYYY) | DDMMYYYY |  |
| H04 | Requesting Entity Reg Number |  | Entity registration number |
| H05 | Request ID |  | Unique request ID |
|  | **PRAN DETAILS** |  |  |
| D001 | Line Sequence Number |  | Running serial number |
| D002 | File Section Type | FD |  |
| D003 | PRAN |  | 12 digit PRAN of subscriber |
| D004 | Subscriber's Name |  | Name of the Subscriber (first name + middle name + last name) |
| D005 | Tier Type | T1/T2 | Tier Type |
| D006 | Tier Status Code |  | Tier Status Code (Please refer Table No 7 for Status Codes.) |
| D007 | Tier Reason Code |  | This field indicates the reason for which the tier of PRAN is in status 'F'. Please refer Table No 8. |
| D008 | Tier Sector Code |  | This field indicates the sector to which the PRAN belongs. Please refer Table No 9. |
| D009 | Tier POP/PrAO/DTA/CHO Reg No |  | Registration number of the Level 1 nodal office to which the subscriber is mapped |
| D010 | Tier POP-SP/PAO/DTO/CBO Reg No |  | Registration number of the Level 2 nodal office to which the subscriber is mapped |
| D011 | Tier DDO reg no |  | DDO reg no to which the subscriber is mapped. This will be applicable only for Tier 1.This will be blank in case of UOS and Corp sector. |
| D012 | Date of Birth |  | Data of Birth of subscriber. Valid Format: DD-MM-YYYY |
| D013 | Date of Retirement |  | Valid Format: DD-MM-YYYY. |
| D014 | IRA Flag | Y/N/Blank | Valid Values: Y or N  Y indicates the subscriber is IRA compliant. N indicates the subscriber is IRA non-compliant. This will be applicable only for Tier 1. In case of Tier 2, it will be blank. |
| D015 | FATCA Flag | Y/N/NA | Valid Values: Y or N or NA Y indicates the subscriber is FATCA compliant. N indicates the subscriber is FATCA non-compliant. NA indicates FATCA is not applicable for PRAN.  In case of Tier 2, it will be blank. |
| D016 | NRI Flag | Y/N | Valid Values: Y or N Y indicates the PRAN is NRI subscriber N indicates the PRAN is RI subscriber |
| D017 | Type of Bank Account | NRE/NRO | Valid Values: NRE or NRO This field will be present only if the NRI flag is ‘Y’, else it will be blank. |
| D018 | Investment Choice | G/P/S | Valid Values: G or P or S G indicates Government level P indicates Corporate level (PrAO level) S indicates Subscriber level |
| D019 | Claim ID generated | Y/N | Valid Values: Y or N only for T1.  In case of Tier 2, it will be blank. Y indicates the Claim ID for the PRAN is generated. N indicates the Claim ID for the PRAN is not generated. |
| D020 | Withdrawal Request Type | SA/PE/DE | Valid Values: SA, PE, or DE SA indicates Super Annuation PE indicates Premature Exit DE indicates Death This will be applicable only if the Claim ID generated field is ‘Y’. In case if the Claim ID fields is ‘N’, then this field will be blank.  In case of Tier 2, it will be blank. |
| D021 | Lumpsum Deferred Flag | Y/N/NA | Valid Values: Y or N or NA Y indicates lumpsum amount is deferred N indicates lumpsum is not deferred For PRANs, where deferment is not applicable or the subscriber has not opted for deferment, the value will be NA  In case of Tier 2, it will be blank. |
| D022 | ASP Deferred Flag | Y/N/NA | Valid Values: Y or N or NA Y indicates ASP amount is deferred N indicates ASP is not deferred For PRANs, where deferment is not applicable or the subscriber has not opted for deferment, the value will be NA  In case of Tier 2, it will be blank. |
| D023 | Continuation Flag | Y/N/NA | Valid Values: Y or N or NA Y indicates the PRAN has opted for contribution during deferment. N indicates the PRAN has not opted for contribution during deferment. For PRANs, where deferment is not applicable or the subscriber has not opted for deferment, the value will be NA.  In case of Tier 2, it will be blank. |
| D024 | Error field message |  | This will indicate error message if any.  List of error messages are mentioned in Table 10. |

1. **Response file format if Report Type is ‘I’:**

Data in Response file will be caret (^) separated.

There will be two lines of records, each for Tier Type (T1 and T2) if entity requested data for both tiers.

**Table 6.2: Output Response file format**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **File Header** |  |  |  |
| **Sr. No.** | **Fields** | **Valid Values** | **Mandatory**  **/ Optional** | **Remarks** |
| H01 | Line Sequence Number | 1 | M |  |
| H02 | File Section Type (to specify flle header) | FH | M | File section type will be FH. No other value is allowed. FH indicates File Header |
| H03 | Date of response File generation (DDMMYYYY) | DDMMYYYY | M |  |
| H04 | Requesting Entity Reg Number |  | M | Entity registration number |
| H05 | Request ID |  | M | Unique request ID |
|  | **PRAN DETAILS** |  |  |  |
| D001 | Line Sequence Number |  | M | Running serial number |
| D002 | File Section Type | FD | M | FD indicates File data. |
| D003 | PRAN |  | M | 12 digit PRAN of subscriber |
| D004 | Subscriber's Name |  | M | Name of the Subscriber |
| D005 | Tier Type | T1/T2 | M | Tier Type |
| D006 | Tier Status Code |  | M | Tier Status Code (Please refer Table No 7 for Status Codes.) |
| D007 | Tier Reason Code |  | O | This field indicates the reason for which the tier of PRAN is in status 'F'. Please refer Table No 8. |
| D008 | Date of change to current status |  | O | This is the date on which PRAN’s tier status changed.  (Note: Currently date will be populated for F and D status only. For other status it will be blank) |

**Table 7: Status Code**

|  |  |
| --- | --- |
| **Status Code** | **Description** |
| D | DeActive |
| I | Inactive |
| S | Suspended |
| V | Active |
| F | Freeze |

**Table 8**: Table of Freeze Reason Code Distinct values

|  |  |
| --- | --- |
| Status Code | Description |
| 1 | FREEZE DUE TO YEARLY FREEZING |
| 2 | FREEZE DUE TO MONTHLY  FREEZING |
| 3 | FREEZE DUE TO PREMATURE EXIT |
| 4 | FREEZE DUE TO SUPER ANNUITY |
| 5 | FREEZE DUE TO PHOTO SIGNATURE |
| 6 | FREEZE DUE TO PAN AND PAN VERIFICATION FLAG |
| 7 | FREEZE DUE TO FAMILY PENSION |
| 8 | FREEZE DUE TO PAN AND KYC VERIFICATION NOT DONE |
| 9 | FREEZE DUE TO PHYSICAL DOCUMENTS NOT RECEIVED |

**Table 9:** Sector Code

|  |  |
| --- | --- |
| **Sector Code** | **Description** |
| 0 | Central Government |
| 1 | State Government |
| 2 | UOS |
| 4 | Corporate |
| 3 | Lite |
|  |  |

**Table 10:** Table describing Error field message

|  |  |
| --- | --- |
| **Error Code** | **Remark** |
| E01 | Invalid PRAN |
| E02 | Invalid PRAN/PRAN is not mapped to entity. |
| E03 | Tier is not Active |
| E04 | Invalid Tier Type. |

**Encryption Logic:**

*‘identity’ field Encryption logic for reference:*

*It is given separately along with this document as encryption\_program.txt*