1. **IRAS Batch File Validation**
2. File contains 3 record types:
3. 1 header record (record type 0)
4. Multiple detail records up to maximum of 3000 records

* Record type 1 for appointment record
* Record type 2 for release record

1. 1 trailer record (record type 9)
2. Header Record Validation
   1. First record in the file.
   2. Record type = 0
   3. Organisation name must be ‘IRAS’.
   4. Transaction date must be today’s date.
3. Appointment & Release Detail Record Validation
4. Record type = 1 for appointment
5. Record type = 2 for release
6. Compute hash totals and accumulate hash totals to tally with trailer record totals.
7. Trailer Record Validation
8. Last record in the file.
9. Record type = 9
10. Computed totals must tally with total count and amount values stored in the trailer record.

* Total number of appointment records
* Total appointment amount
* Hash total for NRIC
* Hash total for appointment amount
* Total number of release records
* Total release amount

1. Error messages

|  |  |  |
| --- | --- | --- |
| **S/N** | **File Rejection Error Message** | **Remarks** |
| 1 | No header record | Reject File |
| 2 | No trailer record | Reject File |
| 3 | Invalid header record - Invalid company code | Reject File |
| 4 | Invalid header record - Transaction date not equal to today’s date | Reject File |
| 5 | Invalid record type – Record type must be 0, 1, 2 or 9. | Reject File |
| 6 | Invalid trailer record – Computed totals and trailer record totals do not tally.  Display computed totals and trailer record totals:   * Total number of appointment records * Total appointment amount * Hash total for NRIC * Hash total for appointment amount * Total number of release records * Total release amount | Reject File |

1. **IRAS Appointment Record Validation & Creation (Record Type 1)**
2. Record count > 3000, reject transaction with return status = 99.
3. Transaction amount not numeric, reject record with return status = 05.
4. Validate appointment date. Reject invalid appointment date with return status = 06.

* Appointment date must be a valid date in the format YYYYMMDD.
* Appointment date must not be > today’s date.

1. Set day count to 1 and first debit date = 15 calendar days
2. Tax type must exist parameter file.
3. Valid cin prefix are ‘C’, ‘S’, ‘T’, ‘M’, ‘R’.

* For cin prefix = ‘C’, reformat cin from format CSSSSNNNNNX to CNNNNNSSSSX.
* For cin prefix = ‘S’ or ‘T’, the 9th char of cin must be ‘A’ to ‘J’ or ‘Z’. Otherwise, reject record with return status = 07.
* No validation for cin prefix = ‘M’, ‘R’ and other cin prefix.
* Bypass cin prefix ‘RS’ and ‘P’ for STP appointment creation.

1. Extract CA/SA accounts from TCSCUST and TCSPRDSERV table using cin, close ind = 0 and product code = 010 or 011 or 020 or 021 or 025. CIS information extracted are account number, joint indicator, customer name1, name2 and customer status1 to status4.
2. Customer status1 = 1 or status2 = 1 or status3 = 1 or status4 = 1 (deceased), reject record with return status = 08
3. Customer status1 = 3 or status1 = 3 or status3 = 3 or status4 = 3 (bankrupt), reject record with return status = 09.
4. Bypass POSB CA and POSB CA (product code 011 and 025) with account number and branch code ranges as follows:

Account Number Range

* 538200010 THRU 538299999
* 082000010 THRU 082111519
* 082900010 THRU 082999999
* 075000000 THRU 078999999
* 196000000 THRU 197999999
* 190000000 THRU 191999999
* 079000000 THRU 079999999
* 160000000 THRU 169999999
* 260000000 THRU 269999999

Branch Code Range

* 782 080 098 099 088 111 123 145 177 181 184 192 555 798 788 811

1. Select POSB CA account type 1, 2, 3 and 6 for appointment.

* Account Type 1 : Individual
* Account Type 2 : Joint Alternate
* Account Type 3 : Joint All
* Account Type 6 : Sole Proprietor

1. Select DBS CA account type 1, 2, 3, 4, 5 and 6 for appointment.

* Account Type 1 : Individual
* Account Type 2 : Joint Alternate
* Account Type 3 : Joint All
* Account Type 4 : Partner
* Account Type 5 : Company
* Account Type 6 : Sole Proprietor

1. Select DBS & POSB SA account type 1, 2 and 3 for appointment.

* Account Type 1 : Individual
* Account Type 2 : Joint Alternate
* Account Type 3 : Joint All

1. Retrieve CA and SA account available balance for processing and report printing.
2. Retrieve CA and SA account status and signal for processing and report printing.
3. Count the number of valid joint and individual accounts for cin.

* CIS joint indicator = 0 (individual account)
* CIS joint indicator = 1 (joint account)

1. If customer not found or customer does not have any valid account found, reject record with return status = 07.
2. If customer has valid individual accounts found, create new appointment record with individual accounts (up to a maximum of 20 individual accounts for each appointment record). For each appointment record, create CA/SA accounts in descending order of account available balance (highest balance created first and subsequently selected first for deduction).
3. If customer has valid joint account only and does not have any individual account found, print report IRV412/1 LIST OF NOTICE RECORDS (only joint accounts found) for manual action by user.
4. Print IRV410/1 report CONFIRMATION REPORT OF SECTION 57 SENT BY IRAS ON DD/MM/YYYY
5. **IRAS Appointment Release Record (Record Type 2)**
6. Transaction amount not numeric, reject record with return status = 05.
7. Release date not numeric, reject record with return status = 04.
8. Appointment record not found, reject record with return status = 03.
9. If appointment record is found in IR master file,
10. Release all CA and SA account earmark amount
11. Release all CA and SA account signal
12. Generate IRAS return record.
13. Update IR master appointment record status.
14. **Return status in IRAS return file**

|  |  |
| --- | --- |
| **IRAS Return Status** | **Description** |
| 01 | Full deduction |
| 02 | Partial deduction |
| 03 | Release record not found |
| 04 | Non numeric release date |
| 05 | Non numeric amount |
| 06 | Invalid appointment date   * Date not numeric * Date > Current date |
| 07 | NRIC not found |
| 08 | NRIC - Deceased |
| 09 | NRIC - Bankrupt |
| 99 | Others – Record count > 3,000 |

1. **As-Is IRSP Batch Jobs & Programs (for reference)**

|  |  |
| --- | --- |
| **Job Name** | IRV410D, IRV412D, IRV420D |
| **Program Name** | IRV409, IRV490, IRV410, IRV412, IRV420 |
| **Frequency** | Mon-Sat, auto-init at 1900 hr |
| **Description** | File validation for IRAS batch appointment/release file  File validation for IRAS online appointment/release request file |
| **Input Files** | IRSP.INPUT (from IRAS)  IRSP.INPONL (online request file from Account Services) |
| **Output Files** | IRSP.IRV410.IRTEMP  IRSP.MASTER |