



A98 IMPORT RECORD LAYOUT INFORMATION



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Version 2.6**

Specifying the Import Information to the A98

Prior to being production-ready, the A98 must have certain specific information about each ATM for which the initial key will be established and about each ATM Service person that will access the A98. This document describes in detail how import information can be loaded into the A98 prior to installation.

With respect to ATMs, each ATM must be specifically identified to the A98, and the A98 must know whether the ATM will establish the initial key by using multiple full-length, 16 hex character, key components or if it uses 8 hex character left and right key halves. Additional information such as the ATM vendor, model and serial number is useful to provide audible feedback to the individual loading the ATM to ensure both are working with the same ATM.

Regarding Servicers, for audit purposes, the A98 also provides for a wide range of granularity for identifying the Servicers that load the Comvelopes at the ATMs. In order to maintain dual-control and split knowledge, a minimum of two global Servicers must be defined. In the case of two global Servicers, one ServicerID can be assigned as the organization that provides the service at the ATM while the other can be assigned to the bank personnel that own or lease the ATM. In this case the only audit information that will be captured will be global in nature. At the other extreme, every Servicer that participates in the Comvelope loading process can be assigned a ServicerID and an access code. This strategy will provide an audit trail down to the individuals that loaded the two particular Comvelopes into a particular ATM. The A98 user may elect to use a strategy somewhere between these extremes. Perhaps a shared branch ID or a store ID for one Comvelope and a regional ID for the contract Servicers would be preferred. Any strategy meeting the above requirements is acceptable.

ATM and Servicer information can be input to the A98 in several ways:

- **Manually** entered into the A98 by the ADMINPI or ADMINSEC using the A98 keyboard and display via an intuitive user interface.
- Imported from **diskette or Zip disk files** that are in the format specified below, by the ADMINPRI or ADMINSEC using the A98 Keyboard and display via an intuitive user interface.
- Some **combination** of the above.

A typical scenario would be an initial import by Trusted Security Solutions from a diskette provided by the customer. This import would occur prior to A98 installation. Thereafter, the customer maintains the import information. Note: ADMINPI or ADMINSEC can also perform imports from the A98 interface.

A98 ATM and ATM Servicer Data Requirements

Special Considerations

Use of numerics

Servicers communicate with the A98 using a DTMF (Touch-Tone) Telephone. Therefore, only numeric information (0-9) is permitted for identifying the primary ATM-ID and Servicer fields to avoid ambiguity and data entry problems. On the ATM file, there are several alternative ATM identification fields that allow alphanumeric data. Consult the record layout for detail specifications.

Owners

Owner import records define who owns a group of ATMs. This information is only necessary when using "Servicer / ATM Affinity" which restricts servicers to specific owners. This information should be entered prior to ATMs because it is an optional field in the ATM record.

ATM Type

The ATM Type file specifies the ATM vendor name and model number that is read from the VRU interface. Since it is possible for a single vendor model ATM to be described as several ATM Types. For example, the Diebold 106x model ATMs are capable of accepting multiple full-length (16 hex character)

key components and combining them using the exclusive OR process. However, some Diebold 106x ATMs are loaded in a non-compliant manner using split left and right 8 hex character key halves. The key halves are concatenated to form the key. The A98 can handle both cases, but must know what method of key management is being used. To discriminate between the two cases, 2 separate ATM Types will need to be defined, one having something like “106XFULL” in its description, and the other having something like “106XHALF” in its description.. For the “106XFULL”, the `aty_xor_parts` field would be marked as “TRUE” while for the “106XHALF” case; the `aty_xor_parts` field would be marked “FALSE”.

As of release 2.5, key management information is specified on each ATM import record because the servicer has the ability to change the key management using the VRU interface. For backwards compatibility, if key management is not specified on the ATM import, key management is defaulted from the ATM type file.

ATMs

The ATM IDs must be unique within the scope of an A98. Most host systems already have a unique Terminal ID (TID) assigned for each ATM which can be adopted by the A98 as its ATM ID. However, when host system TIDs contain a combination of alpha characters and numerics, or when an all-numeric TID is greater than 8 characters in length, an all-numeric ATM ID of appropriate length will have to be created and cross-referenced to the host TID. In the file descriptions below, this cross-reference is accomplished by placing the all-numeric ATM ID in the “`atm_id`” field, and the current TID in the “`atm_id_alias`” field. When the key update message is sent from the A98 to the host, both the numeric ID and the alias are included in the message.

When all-numeric ATM IDs need to be created, a strategy might be to use the first two digits to specify a logical division of ATMs such as a state or region and an additional 3 or 4 digits that uniquely identify the ATM within that logical division. The all-numeric ATM ID will need to be made known to the servicers. Affixing a label or writing the new numeric ID on the ATM using a suitable marker can accomplish this.

Each ATM Type defined to the A98 will be assigned a numeric ID. ATM Type IDs 1-40 are predefined by the A98 and are assigned to commonly used ATM types (see Appendix A). ATM Type IDs 0 and 41-999 are reserved for future. Customers that need to define ATM types not included in Appendix A should assign their own numeric Type IDs beginning with 1000 and working up from there. It is helpful and useful to provide clear descriptions for ATM Types. Note: the Servicer at the telephone does not enter the ATM Types, rather, the ATM ID is entered and the ATM Type is derived internally by the A98.

As of release 2.5, key management is specified on each ATM import record. For backwards compatibility, if the key management is not specified on the ATM import record, key management will be defaulted from ATM Type record. The ATM Type is now only used for reading back terminals Make and Model numbers when a servicer dials into the VRU.

Also, each ATM must be associated with a host connection ID. This ID must be the same as the ID that is specified on the A98 into which the ATMs are to be loaded

Servicers

Servicer IDs and Servicer Passwords must also be numeric in order to permit them to be entered via the touch-tone telephone keypad. If initial passwords are specified, they must be securely communicated to the Servicers. If initial passwords are not specified, the A98 will generate a random initial password and produce a Servicer ID in tamper evident packaging for secure communication to the Servicers. User IDs and passwords can be up to 8 digits long.

Affinity

This file associates specific servicers to owner groups. When a servicer dials into the A98 and enters an ATM ID, the A98 checks to make sure that both the servicer and the ATM are in the same owner group. If they are not in the same group, the A98 responds with an invalid ATM ID error message. The Affinity file

should be imported last after the Owner, ATM and Servicer files. When importing records, only the aff_svr_id (servicer id) and aff_own_id (owner id) fields are accepted.

Recommended method for providing this data

It is recommended that all data be submitted and imported by Trusted Security Solutions from a diskette provided by the customer. This data needs to be provided at least five (5) business days prior to the scheduled ship date to ensure a successful and efficient on-site installation.

To make data formatting easy, obtain the sample files available from TSS and familiarize yourself with the format by viewing them in a text editor or commercial spreadsheet program such as Lotus or Excel. When using a spreadsheet, remember to always save the files in a .CSV text format.

The ATM data is normally available from reports and information available on the host software to which the ATMs are attached – e.g. BASE24, OCM24, CONNEX, ADVANTAGE, CV Systems, ARKSYS, One Link, Silver Link etc. The reports should be obtained and arranged to simplify the data input. ATM IDs require special consideration (see “Special Considerations”, above).

After obtaining the sample files from TSS and locating all ATM and Servicer source documents and data files, proceed through the following steps:

1. Study this document in its entirety for details about the file syntax
2. Key small quantities of data directly into the files using a text editor or spreadsheet.
3. Export larger quantities of data from source systems, preferably in a comma-delimited format (CSV). Then open the file(s) in a text editor or spreadsheet and add column headings and any missing as needed to make the file formats conform to the file specifications provided below.
4. Save the files in .CSV (comma separated values) format.
5. Check your work and submit the files to TSS for verification and loading into your A98. Submission of these files to TSS at least five (5) business days prior the scheduled ship date will ensure that the on-site installation is successful and efficient.

Import Files needed for implementation

There are 4 required and 2 optional files for Importing.

File Content	Record Description
1 - ATM Service Personnel	Each record specifies details for each servicer ID.
2 - ATM Service Personnel Employers	Each record specifies information about companies that employ the Servicer personnel. Each record is normally common to many servicer IDs.
3 - ATM Descriptors	Each record specifies details for each ATM for which the A98 can establish an initial key.
4 - ATM Types – TSS provides default file	Each record specifies information for each type or model of ATM. Of particular interest is the method the ATM uses to combine the Comvelope information to create the initial key. Each record is normally common to many servicer IDs.
5 - ATM Owners –optional file	Each record specifies information about who owns a group of ATMS. This information is required for using Servicer/ATM affinity option.

6 - ATM / Servicer Affinity – optional file	Each record connects a servicer to an owner group.
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File Specification and Record Syntax

The remaining pages of this document provide a detailed description of the file contents. Each file follows the following general format: first record contains field names and successive records contain data values. All records are of “comma separated values” (CSV). Use these descriptions as a reference when creating the import files.

Record	Description
First	Field names separated by commas, ending with CR LF
2	Item parameters – specific per file type, ending with CR LF
3	Item parameters – specific per file type, ending with CR LF
...	...
Last	Item parameters – specific per file type, ending with CR LF

Foreign Keys Syntax

Several import files reference ID fields of other A98 files. For example ATM Service Personal file references the employer id (svr_emp_id). Rather than specifying the employer id code, you may substitute the svr_emp_name field. The import engine will look up the id field using the foreign key name field. The import field contents must match the information already contained in the A98. For example, if the import field contains “IBM”, the A98 database should contain employer record that contains “IBM” in the name field. This table lists the foreign keys that can be substituted for each field id.

Import File	Field ID	Foreign Key Name	Description
Employer Import File	Svr_emp_id	Svr_emp_name	Servicer File - Employer Name
ATM Import File	Atm_own_id	Atm_own_name	ATM File – Owner Name
ATM Import File	Atm_own_code	Atm_hst_name	ATM File – Owner Name
ATM Import File	Atm_hst_id	Atm_hst_name	ATM File – Host Name
Affinity Import File	Aff_emp_id	Aff_emp_name	Affinity File – Employer Name
Affinity Import File	Aff_own_id	Aff_own_name	Affinity File – Owner Name
Affinity Import File	Aff_own_code	Aff_own_name	Affinity File – Owner Name

ATM Service Personnel File – File 1

Description

- This file contains one record per ATM Service person that will need access to your A98 system.
- An example of this file is contained in A98_SVRS.CSV

Record 1 - Column Names

- Include these column names exactly as shown as the first record in the sample file. For your reference, these column names are also repeated below:
svr_id, svr_id_alias, svr_emp_id, svr_name_last, svr_name_first, svr_name_mi, svr_name_sal, svr_expires, svr_active, svr_notes, svr_password, svr_printed, svr_grace_logons
- Foreign Keys: *svr_emp_name* may be substituted for *svr_emp_id*
- Provide a carriage return and line feed at the end of every record.

Records 2 – end. Detail Records.

- Fields marked optional may contain a blank value, which should be indicated by providing a comma with no value preceding it.
- Provide a carriage return and line feed at the end of every record.

Field ID	Req	Length	Description
svr_id	Yes	Long integer	Unique numeric identifier for each ATM Service Person. Can be up to 8 characters in length, and all characters must be numeric. If a unique all numeric identifier does not exist but one including alphanumeric does exist, store that ID in the next field (svr_id_alias), and create a new sequential ID number in this field.
svr_id_alias	No	50 char	If your company has an identification assigned to each ATM Service Person you may specify it here in text character form. Note: Servicers will gain access to the A98 using a unique Servicer ID created by the A98. The svr_id_alias is informational only and useful for cross-reference purposes on A98 reports.
svr_emp_id	Yes	Long integer	The employer ID number that corresponds to the employer identifier assigned by the A98 to the Servicer Employer either by manual entry via the user interface form or by the import of the Servicer Employer File
svr_name_last	No	50 char	Last name
svr_name_first	No	50 char	First name
svr_name_mi	No	1 char	Middle initial – MUST ONLY BE ONE CHARACTER (no period)
svr_name_sal	No	4 char	Salutation e.g. Mr., Mrs., Miss, Ms
svr_expires	No	Date/Time	Expiration date for password, format mm/dd/yyyy. Only meaningful if password expiration is selected. If password expiration is selected and no expiration is specified, TSS will set an expiration date one year from the processing date.
svr_active	No	boolean	Indication of whether this servicer is currently active (i.e. able to use the system). Use “yes” or “true” to indicate active, “no” or “false” to indicate not active. If this field is left blank, field defaults to “true”.
svr_notes	No	255 char	Up to 255 characters of free form text for notes.
svr_password	No	8 char	Initial password. If specified, must be numeric characters selected from 0-9. If omitted, a random initial password is generated. If generated, TSS must print the tamper evident Servicer ID envelopes.
svr_printed	Yes	boolean	Indicates whether the tamper-evident Servicer ID envelopes are to be

			printed for this person, use “TRUE” or “FALSE”
svr_grace_logos	No	Long integer	Specifies the number of grace logins after expiration date.

ATM Service Personnel Employers File – File 2

Description

- This file contains one record for each ATM Service Personnel employer.
- The emp_ID in this record contains the value used in Field 2 of the ATM Servicers file (File 1) above.
- An example of this file is contained in A98_EMPS.CSV

Record 1 - Column Names

- Include these column names exactly as shown as the first record in the sample file. For your reference, these column names are also repeated below:

*emp_id , emp_name , emp_addr1 , emp_addr2, emp_city, emp_state,
emp_postal_code, emp_country, emp_phone, emp_phone_alt, emp_fax,
emp_email, emp_active, emp_notes*

- Provide a carriage return and line feed at the end of every record.

Records 2 – end. Detail Records.

- Fields marked optional may contain a blank value which should be indicated by providing a comma with no value preceding it..
- Provide a carriage return and line feed at the end of every record.

Field ID	Required	Length	Description
Emp_id	Yes	long integer	A unique identifier per employer. This value will be created automatically by the A98. For the import file, enter a number (must be a number only) to simply hold the position, i.e. 0 or 1 can be used for all rows.
Emp_name	Yes	50 char	employer name - Company Name
Emp_addr1	No	50 char	employer address
Emp_addr2	No	50 char	employer address
Emp_city	No	50 char	employer city
Emp_state	No	2 char	employer state
Emp_postal_code	No	25 char	employer postal (i.e. zip) code
Emp_country	No	25 char	employer country
Emp_phone	No	25 char	employer phone
Emp_phone_alt	No	25 char	employer alternate phone
Emp_fax	No	25 char	employer fax number
Emp_email	No	50 char	employer e-mail address
Emp_active	No	boolean	indication of whether this employer is currently active (i.e. available to be assigned to an active servicer). Use “yes” or “true” to indicate active, “no” or “False” to indicate not active. If this field is left blank, it defaults to “True”.
Emp_notes	No	255 char	Up to 255 characters of free form text for notes.

ATM Descriptor File – File 3

Description

- This file contains one record per ATM that will be serviced by your A98 system.
- An example of this file is contained in A98_ATMS.CSV

Record 1 - Column Names

- *Include these column names exactly as show as the first record in the sample file. . For your reference, these column names are also repeated below:*

atm_id, atm_aty_id, atm_id_alias, atm_serial_number, atm_addr1, atm_addr2, atm_city, atm_state, atm_postal_code, atm_country, atm_phone_1, atm_phone_2, atm_phone_3, atm_phone_use_cid, atm_active, atm_notes, atm_hst_id, atm_fiid, atm_region, atm_branch, atm_ivr_code, atm_ivr_code_numeric, atm_kem_id, atm_own_id

- *Foreign Keys: atm_hst_name may be substituted for atm_hst_id
atm_own_name may be substituted for atm_own_id
atm_own_code may be substituted for atm_own_id*
- *Provide a carriage return and line feed at the end of every record.*

Records 2 – end. Detail Records.

- *Fields marked optional may contain a blank value which should be indicated by providing a comma with no value preceding it..*
- *Provide a carriage return and line feed at the end of every record.*

Field Name	Req	Length	Description
atm_id	Yes	long integer	Unique identifier keyed into the touch-tine phone at the ATM to identify the ATM to the A98. The host system TID (Terminal ID) should be used if possible (see ATMs under “Special Considerations” at the beginning of this document for discussion of appropriate atm_id values.) Max of 8 numeric characters
atm_aty_id	Yes	long integer	The ATM Type ID that corresponds to the ATM type identifier provided by you in the <i>aty_id</i> Field of ATM Types File (File 2A below). See Appendix A for a listing of pre defined ATM types and their corresponding atm_aty_id values. ATM types not included in Appendix will require a record to be defined in the ATM Types File (File 2a – see below).
atm_id_alias	No	16 char	Full ATM ID known to the host ATM software including alphanumeric characters if any. Note, this field should contain the host system TID (Terminal IDs) when the TID cannot be stored in the atm_id field of this file. See ATMs under “Special Considerations” at the beginning of this document for discussion of appropriate atm_id values.
atm_serial_number	No	50 char	A serial number for each ATM. If present, it could be spoken back to the Servicer.
atm_addr1	No	50 char	Address 1 of the ATM location
atm_addr2	No	50 char	Address 2 of the ATM location

atm_city	No	50 char	City of the ATM location
atm_state	No	2 char	State of the ATM location
atm_postal_code	No	25 char	Postal (i.e. zip) code for ATM location
atm_country	No	25 char	Country where the ATM is located
atm_phone_1	No	25 char	Phone number 1 to be used for Comvelope Loading
atm_phone_2	No	25 char	Phone number 2 to be used for Comvelope Loading
atm_phone_3	No	25 char	Phone number 3 to be used for Comvelope Loading
atm_phone_use_cid	No	boolean	Indicates whether Caller ID should be used at the A98 to identify the phone at this ATM. Use “yes” or “true” to indicate use CID, “no” or “false” to indicate not to use CID. If it is left blank, it defaults to “false”. The action taken in the event that CID verification fails is globally determined by the A98 system unit options menu. ..
atm_active	No	boolean	Indicates whether this ATM is currently active (i.e. in use). Use “yes” or “true” to indicate active, “no” or “false” to indicate not active.
atm_notes	No	255 char	Up to 255 characters of free form text for notes.
atm_hst_id	Yes	long integer	Host ID of the Host to which the ATM is connected. NOTE: the host (or multiple hosts) must already have been setup in the A98. The system assigned Host Id MUST BE USED for this field.
atm_fiid	No	4 char	Financial Institution used for documentation
atm_region	No	4 char	Region used for documentation
atm_branch	No	4 char	ATM Branch used for documentation
atm_ivr_code	No	50 char	Another representation of the ATM ID. Primarily used when “allow non-unique ids” on Options Maintenance->IVR screen is enabled.
Atm_ivr_code_numeric	No	50 char	The numeric equivalent of the atm_ivr_code on the telephone keypad.
Atm_Kem_id	No	long integer	Key-management, currently defaulted from ATM_Type file. Other possible values are: “Split/Left Right”, “16 character”, or “32 character”
Atm_own_id	No	long integer	Owner id. Used when the Servicer/ATM Affinity option is enabled to restrict access to only servicers in same owners group.

ATM Types File – File 4

Description

- This file contains one record for each ATM Type (Manufacturer and model number).
- The *aty_id* in this record contains the value used in Field *atm_aty_id* of the ATMs File (File 2) above.
- An example of this file is contained in A98_TYPS.CSV

Record 1 - Column Names

- Include these column names exactly as show as the first record in the sample file. For your reference, these column names are also repeated below:

aty_id, aty_vendor, aty_vendor_readback, aty_model, aty_model_readback, aty_description, aty_xor_parts, aty_active, aty_notes

- Provide a carriage return and line feed at the end of every record.

Records 2 – end. Detail Records.

- Fields marked optional may contain a blank value which should be indicated by providing a comma with no value preceding it..
- Provide a carriage return and line feed at the end of every record.

Field Name	Required	Description
aty_id	Yes	A unique identifier per ATM Type (manufacturer / model number / Key management method combination). This field must contain a number, and it must be different for each ATM Type. See Appendix A for a list of pre-defined ATM types. Only ATM types not included in Appendix A must be defined in this file. This is the atm_aty_id field referred to ATM Descriptor File (File 2) above.
aty_vendor	Yes	Name of vendor
aty_vendor_readback	Yes	Name of the vox file containing the vendor's name
aty_model	Yes	Name of model
aty_model_readback	Yes	Determines how the model is read back to the user. The format is x y, x y, ... x y where x=the single letter or number (one or more digits) and y=the type of readback: C=character/letter, N=number. Example: model=RT650, pronounced "R" "T" "six" "fifty".. the readback entry would be R C, T C, 6 N, 50 N
aty_description	Yes	Description of model
aty_xor_parts	Yes	Used to determine what kind of keying is used, XOR (16 bytes) (default) or concatenation of components (8 bytes). Required. Use "Full" for XOR or "Split" for concatenation.
aty_active	No	Indication of whether this ATM Type is active, (i.e. in use), optional. Use "yes" or "true" to indicate active, "no" or "False" to indicate not active.
aty_notes	No	Up to 255 characters of free form text for notes.

ATM Owners File – File 5

Description

- This file contains one record for each ATM Owner.
- The *own_id* field in this record is used as the *atm_own_id* in the ATM file
- An example of this file is contained in A98_OWNS.CSV

Record 1 - Column Names

- Include these column names exactly as show as the first record in the sample file. For your reference, these column names are also repeated below:

own_id, own_code, own_name, own_level, own_parent, own_active

- Provide a carriage return and line feed at the end of every record.

Records 2 – end. Detail Records.

- Fields marked optional may contain a blank value which should be indicated by providing a comma with no value preceding it..
- Provide a carriage return and line feed at the end of every record.

Field Name	Req	Length	Description
own_id	Yes	long integer	A unique identifier for each owner.
own_code	Yes	15 char	A unique code identifier for each owner
own_name	Yes	50 char	Owners Name
own_level	Yes	long integer	Should be coded as “1”. Used for future expansion.
own_parent	Yes	long integer	Should be blank. To be used for future expansion.
own_active	Yes	boolean	Indication if owner record is being used. . Use “yes” or “true” to indicate active, “no” or “False” to indicate not active.

ATM / Servicer Affinity File – File 6

Description

- This file contains one record for each ATM / Servicer Affinity.
- These records assign a servicer to specific owner. When a servicer dials into the A98 and enters an ATM ID, the A98 checks to make sure that both the servicer and the ATM are in the same owner group. If they are not in the same group, the A98 responds with an invalid ATM ID error message.
- An example of this file is contained in A98_AFF.CSV

Record 1 - Column Names

- *Include these column names exactly as show as the first record in the sample file. For your reference, these column names are also repeated below:*

aff_svr_id, aff_own_id, aff_emp_id

- *Provide a carriage return and line feed at the end of every record.*
- *Foreign Keys: aff_emp_name may be substituted for aff_emp_id
 aff_own_name may be substituted for aff_own_id
 aff_own_code may be substituted for aff_own_id*

Records 2 – end. Detail Records.

- *Fields marked optional may contain a blank value which should be indicated by providing a comma with no value preceding it..*
- *Provide a carriage return and line feed at the end of every record.*

Field Name	Required	Description
aff_svr_id	Yes	A unique identifier for each owner.
aff_own_id	Yes	A unique code identifier for each owner
aff_emp_id	No	Employer ID. Leave blank. To be used for future expansion.

Appendix A – Predefined ATM Types

These predefined types are included for completeness. It is not required to use these ATM Types. Additional ATM Types may be defined with the same properties. ATM Types 0 and 41-999 are reserved for internal use.

ATy_ID	ATy_Vendor	ATy_Model	ATy_Description	ATy_XOR_Parts
0	*** Reserved ***			
1	Burroughs	RT650	Burroughs RT650	FALSE
2	Burroughs	RT750	Burroughs RT750	FALSE
3	DeLarue	xxxx	DeLarue Various	FALSE
4	Diebold	906	Diebold 906	FALSE
5	Diebold	910	Diebold 910	FALSE
6	Diebold	911	Diebold 911	FALSE
7	Diebold	912	Diebold 912	FALSE
8	Diebold	9000	Diebold TABS 9000	FALSE
9	Diebold	106X-H	Diebold 106X Half	FALSE
10	Diebold	106X-F	Diebold 106X Full	TRUE
11	Diebold	107X-H	Diebold 107X Half	FALSE
12	Diebold	107X-F	Diebold 107X Full	TRUE
13	Docutel	xxxx	Docutel - Various	FALSE
14	Fujitsu	1000	Fujitsu 1000	FALSE
15	Fujitsu	4000	Fujitsu 4000	FALSE
16	Fujitsu	6000	Fujitsu 6000	FALSE
17	Fujitsu	7000-H	Fujitsu 7000 Half	FALSE
18	Fujitsu	7000-F	Fujitsu 7000 Full	TRUE
19	Greenlink	xxxx	Greenlink Various	FALSE
20	IBM	3614	IBM 3614	FALSE
21	IBM	3624	IBM 3624	FALSE
22	IBM	473X-H	IBM 473X Half	FALSE
23	IBM	473X-F	IBM 473X Full	TRUE
24	Interbold	106x-H	InterBold 106X Half	FALSE
25	Interbold	106x-F	InterBold 106X Full	TRUE
26	Interbold	107x-H	InterBold 107X Half	FALSE
27	Interbold	107x-F	InterBold 107X Full	TRUE
28	NCR	1770	NCR 177X	FALSE
29	NCR	1780	NCR 178X	FALSE
30	NCR	50XX	NCR 50XX	FALSE
31	NCR	56XX-H	NCR 56XX Half	FALSE
32	NCR	56XX-F	NCR 56XX Full	TRUE
33	NCR	58XX-H	NCR 58XX Half	FALSE
34	NCR	58XX-F	NCR 58XX Full	TRUE
35	Omron	xxxx	Unknown	TRUE
36	Siemens	xxxx	Various	FALSE
37	Tidel	Tidel	Tidel	FALSE
38	Triton	9500	Triton 9500	TRUE
39	Unisys	RT650	Unisys RT650	FALSE
40	Unisys	RT750	Unisys RT750	FALSE
41 - 999	*** Reserved ***			

Appendix B – Record Layout Changes

Changes in Version 2.0

1. One additional field must be added to the end of the Employee or Servicer Personnel file: `svr_printed`. This is a True/False to indicate whether login/ID mailers are to be printed for this employee. Typically this is set to FALSE.
2. The employer id field (`svr_emp_id`) in the employee file is NOT user-defined, but is the sequential ID assigned by A98 to the employer. Therefore, employers must be setup BEFORE the employee file can be produced and imported.
3. The middle initial in the employee name can only be one character long. Do not include a period.
4. The employer id field (`emp_id`) in the Employer file is NOT created from this field, but is a sequential ID assigned by A98 to the employer. Enter a default numeric value, such as 0 or 1 to every record just as a placeholder.
5. In the ATM file, the Host associated with this ATM (`atm_hst_id`) must be a valid, A98-assigned host id that has already been setup through the user interface form.
6. The ATM types file must contain two added columns to enable proper VRU read back. One must be the file name of the voice-recording file (`.vox`) for the ATM vendor and the second is a string that indicates how the ATM model number is to be pronounced. (NOTE: most all standard ATM models and vendors are ALREADY set up in the A98. You will only need to import those that are NOT in the pre-assigned list.

Changes in Version 2.5

1. Added `svr_grace_logons` to Servicer Personnel file specifications. Added `svr_emp_name` foreign key.
2. Added the following fields to the ATM specification: `atm_fiid`, `atm_region`, `atm_branch`, `atm_ivr_code`, `atm_ivr_code_numeric`, `atm_kem_id`, `atm_own_id`
3. Key Management is now contained on the ATM record instead of the ATM_Type file. `Atm_kem_id` contains this information. Valid values are: "Split/Left Right", "16 character", or "32 character". For backwards compatibility, you can still import without this field. The system will default the initial value from the ATM_Type file. However, once the information is imported, it must be maintained on the ATM record.
4. Added the following foreign keys to ATM specification:
 - o *atm_hst_name may be substituted for atm_hst_id*
 - o *atm_own_name may be substituted for atm_own_id*
 - o *atm_own_code may be substituted for atm_own_id*
5. Added owners file import / export record layout.
6. Added affinity file import / export record layout.

Appendix C – FTP ATM Header Record Layout

The FTP import facility requires a header record as the first record in an ATM import file. The record format is listed between the brackets below. Do not include the brackets in the actual file.

Record 1 ->[00000124, Date = 2003/02/15 Time= 10:00:00 Version 001.00**CRLF**]
Record 2 ->Normal ATM Import File

The first record in the file starts with a Byte Count field which is 8 digits, right justified, zero filled field. This Byte Count field contains the total number of bytes in the import file. A98 checks this field against the actual size of the file. If the byte count field does not match the file length then no updating will occur. Information between the comma and **CRLF** is documentation. The rest of the file is a normal ATM import file as listed in the ATM import specification.