

Adscan Utility

This matches student address location to geocode and updates dependent trips and common destinations. NOTE: If a batch called Adscan or Student Address Match doesn't already exist you will need to create one.

To setup and run the Adscan utility:

- 1) Open EMU
- 2) Click the **Batches** button.
- 3) From the 'Batch Work Dialog' window, scroll down the list of batches and see if Adscan or Student Address Match already exists if yes, go to step 11, if not, click the **Create** button.
- 4) From the 'Create/Edit Batch' window, under Available Utilities find **ADSCAN** and double-click the name.
- 5) The 'Edit Utility configuration' window opens. (NOTE: If Adscan All is already there, highlight it and click OK then go to step 7), if not already there, click the **New** button and precede with step 6.
- 6) From the 'Adscan' window, place a check-mark in the box for:
 - a. Addresses to Scan: Primary
 - b. Create An Audit of Changes
 - c. Create Error Listing
 - d. Permanently Modify Student AddressesUnder Process, choose **All Students** and click **Confirm**.
- 7) Type in the Configuration Name: **ADSCAN ALL** then click Add>>.
- 8) Type in the 'Batch Name': **ADSCAN** then click **OK**.
- 9) Edulog will display SUCCESSFUL so click **OK**.
- 10) From the 'Batch Work Dialog' window, highlight the **ADSCAN** utility then click the **Run** button.

The Adscan.err report will list the students and their addresses and indicate what's wrong. This file can be accessed from two locations:

Location 1:

With the Edulog Utility Maintenance window open, click the button: View Files then choose file ADSCAN.ERR and click the button View File. From here the file can be printed.

Location 2:

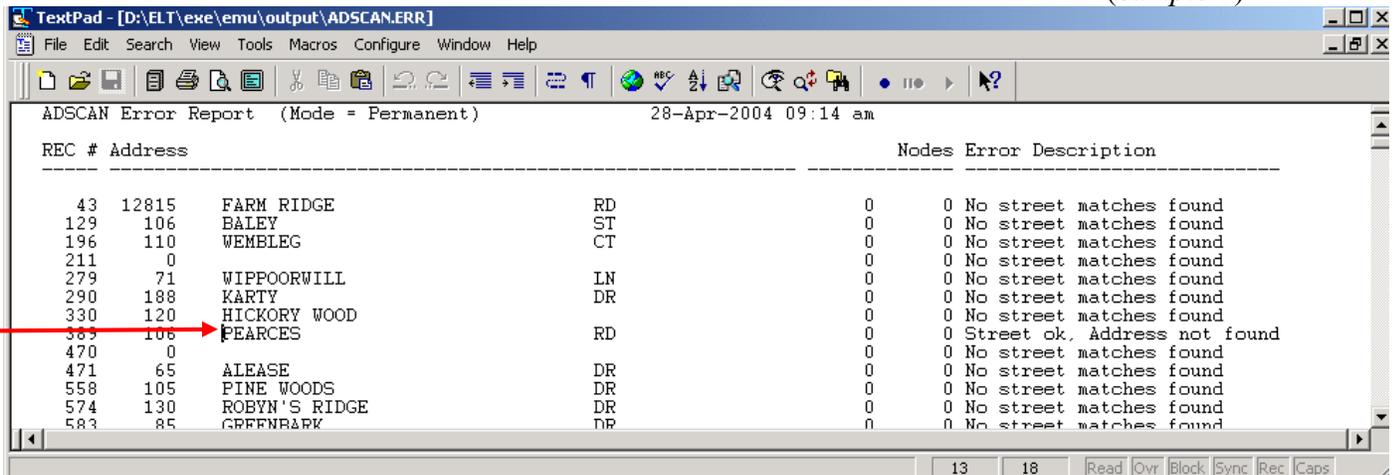
Explore My Computer, click on the drive where ELT resides then follow the path \ELT\LIVE\server\emubatches\output folder f(live or the database you are working in). Using the mouse, right-click on file ADSCAN.ERR and open with TextPad. From here, the file can be sorted and printed.

Sorting ADSCAN.ERR with TextPad

TextPad® is a powerful, general-purpose editor for plain text files.

When opening file ADSCAN.ERR in TextPad, the user can sort by several different ways (e.g., rows, columns, block)

(Sample 1)



The numbers located at the bottom of the window 13 18 indicate the location of the cursor. The first number in the screen shot above indicates that the users cursor is positioned on the 13th row and 18th column or space.

TextPad will allow the user to sort up to three specified key positions at a time. A good sort order to start with is Street name, Type, and then Suffix but as you continue to work on matching students to the geocode, sorting by other columns may be beneficial.

The table below lists the different items available in the ADSCAN.ERR file and their associated column number and length. **NOTE: if you delete any columns, the chart below will be incorrect and you will need to determine the new column number and length.**

Item	Column Number	Length
Street name	18	32
Type	51	4
Suffix	56	2
Zone	59	5
Prefix	24	2
Number	9	5
Error Description	84	28
Record #	2	5

To use the sort function, follow these easy steps:

1. Decide what column numbers you want to sort on and their lengths. You can use the chart above as a reference. **NOTE: to sort a column on a complete row, leave the length blank.**
2. Make sure Block Set Mode is NOT activated. From the menu bar, choose Configure. If Block Set Mode is activated, a check mark will appear next to the name. If it does, select Block Set Mode to remove the check mark.
3. Highlight the area you want sorted. Click the mouse on the first line, and drag it to the last line or select the first line, hold down the shift key and select the last line.
4. From the Tools menu, choose the Sort command to display the Sort Selected Lines dialog box.
5. Specify the start display column position and length. This can be done up to three different key positions. (Refer to the above chart for column numbers and lengths).



6. Delete all duplicate lines by checking the "Delete duplicate lines" box and keep the box checked for "In character code order". This will put all non-alpha characters at the top of the list.



7. Click OK

Once the file has been sorted using the above criteria, *sample 1* now looks like *sample 2* below. This report has been sorted first by street name, secondly by type and thirdly by suffix.

(Sample 2)

REC #	Address	Nodes	Error	Description
665	1004 -B WAIT AV	0	0	No street matches found
6041	25 ABCA LN	0	0	No street matches found
4346	65 ADLER CT	0	0	No street matches found
4343	65 ALDER CT	0	0	No street matches found
471	65 ALEASE DR	0	0	No street matches found
2151	2 ALLEN AV	0	0	Street ok, Address not found
5898	0 APT CRIVER RIDGE APTS	0	0	No street matches found
8184	94 AVERY LN	0	0	No street matches found
2070	4401 BALDPATE CT	0	0	No street matches found
129	106 BALEY ST	0	0	No street matches found
2192	100 BARNES RD	0	0	No street matches found
1990	2 BCARRIAGE RD	0	0	No street matches found
2978	2 BCARRIAGE RD	0	0	No street matches found
8409	104 BOTT&GF CT	0	0	No street matches found

Identifying obvious errors:

The Error Description column will give you a general idea of why the student didn't match to the geocode.

The most common reason is '**No street matches found**'. There can be many reasons why a street name wasn't found but a few are listed here with examples to help you out:

- a. **Street name spelled incorrectly** – in this example the street name has been entered many different ways by different NCWISE personnel.

REC #	Address	Nodes	Error	Description
2858	2088 BAILEY'S CROSSROADROAD	0	0	No street matches found
2393	2595 BAILEY'S CROSSROADS	0	0	No street matches found
2725	4980 BAILEY'S X ROADS	0	0	No street matches found
2746	2273 BAILEY'S X-RD RD	0	0	No street matches found
2531	4789 BAILEY'S X-RDS	0	0	No street matches found
2294	5073 BAILEY'S X-RDS. RD.	0	0	No street matches found
2510	2595 BAILEY'S X-ROAD RD	0	0	No street matches found
2613	4911 BAILEY'S X-ROADS	0	0	No street matches found
3214	4789 BAILEY'S X-ROADS RD.	0	0	No street matches found
2691	2902 BAILEY'S XRD RD	0	0	No street matches found
13381	2313 BAILEYS CROSSROAD RD	0	0	No street matches found
2690	2902 BAILEYS CROSSROADS	0	0	No street matches found
2293	5073 BAILEYS X RD	0	0	No street matches found

- b. **Short street name used** (e.g., Evergreen Ch Rd instead of Evergreen Church Rd)

- c. **Punctuation used in street name** – in this example, the NCWISE person put quotes around the street name. Some punctuation is OK if used by the geocode in TIMS.

ADSCAN Error Report (Mode = Permanent)		02-Apr-2004 09:05 am	
REC #	Address	Nodes	Error Description
2371	14 "B"	IA	0 0 No street matches found
5166	206 E "K"	ST	0 0 No street matches found

- d. **Missing or Incorrect prefix, suffix or type**

- e. **Apt or Lot number included in address field** - The NCWISE person needs to correct this and enter apt numbers, mobile home park (MHP) numbers, and lot numbers, in to the APT field that is available on their form.

ADSCAN Error Report (Mode = Permanent)		02-Apr-2004 09:05 am	
REC #	Address	Nodes	Error Description
5972	112 -A KNOLLWOOD	CT	0 0 No street matches found
919	0 BARGIN LN PINES MHP #4A		0 0 No street matches found
4797	36 BLAKE ST LOT 11		0 0 No street matches found
3629	164 CIRCLE ISLAND DR NO 13		0 0 No street matches found
4013	1114 S CLINTON AVE APT 2B		0 0 No street matches found
4381	1301 DENIM DRIVE #6		0 0 No street matches found
4092	1301 DENIM DRIVE LOT 6		0 0 No street matches found

The Error Description **'Street ok, Address not found'** indicates that the address number is not found in the geocode. Either the NCWISE person typed in the wrong number, or the geocode needs to be corrected.

2151	2 ALLEN	AV	0 0 Street ok, Address not found
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The Error Description **'Student Sch/Grd/Prg invalid'** indicates that the school field in the student record is empty and/or the grade is an invalid entry.

The Error Description **'(x,y) not found'** indicates that the address is not matched to the geocode. This may only be seen when GIS data was used in the conversion process from PTS3 To EdulogNT.

Helpful Tips:

Once all of the street names are correct in the geocode, a unique Street Name Listing can be generated from the Reports module under Geographic Reports. Use this report to help determine why the student's street names didn't match up by comparing how NCWISE has the street prefix, name, type and suffix entered to how it appears in the geocode.

Send a copy of the unique Street Name Listing to the NCWISE operators so they'll know how the street names should be entered.

For consistent errors in the student location fields (e.g., misspelled street names), used ADDUPD to fix these. Refer to QRG-NT9 for details.