# StpScn Utility

This utility will address match stops. This process is similar to running Adscan for matching student addresses. NOTE: If a batch called Stpscan doesn't already exist you will need to create one.

To setup and run the Stpscan 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 Stpscn 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 **STPSCN** and double-click the name.
- 5) The 'Edit Utility configuration' window opens. Click the **New** button.
- 6) From the 'Stpscn' window, place a check-mark in the box for:
  - a. Create an audit file of changes
  - b. Create error listing
  - c. Permanently modify stop locations
  - d. Update Transportation files

Under the section 'Do you want to' choose the radial button 'Ignore ambiguous intersections' and click **Confirm**.

- 7) Type in the Configuration Name: **STPSCN** then click **OK**.
- 8) In the 'Edit Utility Configuration' window, highlight the utility you just created, the click the **OK** button.
- 9) Type in the 'Batch Name': **STPSCN** then click **OK**.
- 10) Edulog will display SUCCESSFUL so click **OK**.

11) From the 'Batch Work Dialog' window, highlight the **STPSCN** utility then click the **Run** button.

The Stpscn.err report will list the following:

No street matches found	Too many street matches
Street ok, Address not found	Official landmark not found
#Node was an invalid node	All corner stops skipped
Ambiguous corners skipped	Street intersection error
Landmark nearest node error	(x,y) not found

(Sample)

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 STPSCN.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\exe\emu\output folder. Using the mouse, right-click on file STPSCN.ERR and open with

TextPad. From here, the file can be sorted and printed.

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ST	PSCN Error Rep	port (Mo	de = Pe:	rmanent)		07-May	7-2004	10:35 am				-
REG	C # Stop ID	Node1	Node2 1	Number S	Street Name			Intersecting St	reet	Name	Error Type	
29 42 19 30 31 32 31 32 33 33 33 33 33 33 33		2441 1 5051 6481 0 0 0 0 0 0 0 0 0 0 0 0 0	6282 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	508 W 0 0 1746 1544 5709 2600 S 0 0 0 0 120 0 1119 1150 1365 1423 1423 1423 1425	SYLVAN ELEM WESTERN MID FIELDSTONE LOWER HOPED HAW RIVER H BASS MOUNTA ALBERT JEFF 5 THIRD PREACHER HA HUFFMAN MIL FLANNER	DR DR	GR ME ME	SVIVAN ELEM WESTERN MID BRIARWOOD PHELPS WORK ANDERSON BR QUAIL	DR DR	ME	(x,y) not found Ambiguous corners skipped Ambiguous corners skipped Ambiguous corners skipped No street matches found No street matches found No street matches found Street intersection error Street intersection error Street ok, Address not foun Street ok, Address not foun	nd nd nd nd nd nd nd

For details on how to sort with TextPad, refer to QRG-NT21 Using Adscan Utility and Text Pad.

A good sort order to start with is Error Type, Street Name, and then Stop ID but as you continue to work on matching stops to the geocode, sorting by other columns may be beneficial.

The table below lists a few of the different items available in the STPSCN.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
Error Type	150	28
Street Name	43	35
Stop ID	8	10

### **Identifying Errors and Helpful Tips:**

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

1. Ambig	guous C	<i>_</i> orne	егѕ экц	ppea <sup>°</sup> - Ign	ore u	iese	, they are OK			
🛃 TextPad - [C:\Documen	nts and Settir	ngs\DRB\	Desktop\STF	PSCN.ERR *]						
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STPSCN Error Rep	oort (Mod	ie = Pe	rmanent)		07-May	-2004	10:35 am			•
REC # Stop ID	Node1	Node2	Number St	reet Name			Intersecting Str	reet Name	e Error Type	
2157 364.129 2509 392.112 4205 308.179 1587 406.096 503 374.107	2441 1 5051 6481 0	6282 0 0 0 0	508 W 0 0 1746	ELM SYLVAN ELEM WESTERN MID FIELDSTONE LOWER HOPED	ST DR DR DR RD	GR ME		DR DR DR ME	(x,y) not found Ambiguous corners skipped Ambiguous corners skipped Ambiguous corners skipped	

### 1. 'Ambiguous Corners Skipped' - Ignore these, they are OK

- 2. **'Street ok, Address not found'** indicates the address number may not be valid (not included in the segment geocode address ranges). If the address number *is* in the segment address range, the segment needs to be deleted and redrawn.
- 3. The most common reason is **'No street matches found'**. If the Node1 and Node2 numbers are '0' zero, then these aren't 'geographically' located. To fix these, a worklist of all stops with node1 and node2 equal to 0 can be created (*see Appendix A*) or an individual stop number can be used to pull up the stop record.

<del></del>					~ * * *	****	WATE ANALY V V V	AP 8 1	***	
503 374.107	0	0	1746	LOWER HOPED	RD					No street matches found
504 350.103	0	0	1544	HAW RIVER H	RD					No street matches found
396 392.044	0	0	5709	BASS MOUNTA	RD					No street matches found
3635 406.152	0	0	2600	ALBERT JEFF	RD					No street matches found

- 4. '(**x**,**y**) **not found**' indicates that the address is not matched to the geocode and the Node1 and Node2 numbers are '0' zero.
- 5. **'No street matches found'** indicates that the street name does not exist in the geocode. This could be an instance where a short name was used in the old TIMS due to the character number restrictions. NOTE: the node numbers will show '0' zero.
- 6. **'Street intersection error'** indicates that the intersection is not geographically located and the node numbers show '0' zero. NOTE: Stops at intersections should only have one node number (Nd1).

To fix error types #3-5, follow the step-by-step directions titled **Stops Located at Student Street Address** on pages 4-5.

To fix error type #6, follow the step-by-step directions titled: **Stops Located at Intersections** and choose the method you'd like to use.

Method 1 – Match by retyping partial street names, located on page 6

Method 2 – Match by using the intersection's node number, located on page 7

(Figure 1)

# **Stops Located at Student Street Address**

#### •Open Edulog.nt

- From the menu bar select **Stops** > **Tabular**
- Enter the stop number or choose a worklist
- When the Stop information appears, notice Nd1 and Nd2 are zeros

Confirm	Previous	Next	Flags	DELETE	CANCEL		
Stop ID:	316.120 Lo	cation: 3237 M	IILL LANDIN RD		d1: <sup>0</sup> No	±2:0	
Description:	3237 MILL LANE	DIN RD		D	1: 0 D2	2: 0	
	Fr	equency: MTWU	JF0008-23-;	200106-02-2002			
Mode:	S;	oEd Stop: 0					
Created:	06-06-2003	Modified: 06-06-2	2003				_
d.							
	🕨 🖌	Edit	Delete	Passengers	Insert Run	Assign Run	Deassign
Service ID   B	ell Time Dir Stor	o Lo 🛛 👘 F	Frequency	Avi/Eff Fr	req Stop Time	RunID	RouteID
	30 AM 0 0 00 PM 1 0	MTWUF	08-23-2001 06-0				<u>^</u>
				12-200MTWUF-			

- In the **Location** field, shorten or retype part of the street name.
- Press the **tab** key on your keyboard.
- The Address Match window will appear showing all streets that begin with the same letters.

e.wsp:1							
<b>Workspace.w</b>	sp: Stop Transpor	tation					<u>_   ×</u>
Confirm	Previous	Next	Flags	DELETE	(	CANCEL	
Stop ID:	316.120 Lo	ocation: 3237 M	ILL LAN		Nd1:0	Nd2:0	<u>-</u>
Description:	3237 MILL LAND	DIN RD			D1: 0	D2: 0	
316.120001 9:3	Addre           06-06-20           3237           100 PM		AN LANDING LANDING LANDING TRL		uffix Ci	ty Code	Deassign RouteID
			dress Match	<u> </u>		<u>C</u> ancel	Ŧ
	Erro	r matching street name	e to geocode				

(Figure 2)

- In the Address Match window, choose the correct street name.
- Click the Address Match button.
  Click OK

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316.120001 9:30 AM 0 0 MTWUF-----08-23-2001 06-02-20(MTWUF-316.120002 3:00 PM 1 0 MTWUF-----08-23-2001 06-02-200MTWUF-

• Click OK							(Figure 3)
📲 Workspace	.wsp: Stop Transpo	tation				<u>_ 0 ×</u>	
Confirm	Previous	Next	Flags	DELETE	CANCEL		Ĩ
Stop ID:	316.120 L	ocation: 3237 N	AILL LAN	Nd	l:0 Nd2:0		
Description	n: 3237 MILL LAN	DIN RD		D1:	0 D2: 0	)	
	Addre	ss Match			]	×	
Mode:	Numb			Type Suffix	City Code		
Created:	06-06-20( 3237		LANDING			1	1
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			L LANDING TREPP			gn Run Deassign	I
Service ID 316,120001	Bell Time					nID RouteID	1
316.120002					<b>*</b>		1
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			o save or Cancel to exit				1
• The new	node number	s appear.			1		
	the change.	s appears					
0011111	and entended						
							(Figure 4)
Workspace.ws	sp: Stop Transporta	tion				_O×	
Confirm	Previous	Next	Flags	DELETE	CANCEL		
Stop ID:	316.120 Loc	ation: 3237 MIL	L LANDING RD	Nd1:4	021 Nd2:401	4	
Description:	3237 MILL LANDIN	NRD		D1:	29 D2. 233		
	Fred	quency: MTWUF	0008-23-2001	06-02-2002			
Mode:		:d Stop: 0					
Created:		odified: 06-06-20	03				
						<b>•</b>	

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Continue doing this process for all unmatched stops located at student addresses.

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# **Stops Located at Intersections**

Stops located at intersections will have only one node number (Nd1). There are two methods that can be used to match stops located at intersections

## Method 1 – Match by retyping partial street names

#### •Open Edulog.nt

- From the menu bar select **Stops** > **Tabular**
- Enter the stop number
- In the Location field, retype part of both street names separated by the ampersand (&) sign.

Confirm	Previous	Next	Flags	DELETE	CANCEL			
op ID:	324.188 Lo	cation: EASTR	RIDGE & CENTRA	L Nd	:0 Nd2:0			-
escription:	E RIDGE CIR &	CENTRAL ST		D1:	0 D2: 0			
	Fr	equency: MTWU	F0008-01-20	0007-31-2001				
/lode:	Sp Sp	Ed Stop: 0						
reated:	12-03-2003	Modified: 03-04-2	004					
						Edulog nt		×
an tha to	h law on vo	un traub aand				0		_
	<b>b</b> key on yo	•		ing corner!		_ <u>_</u> }	Error matching co	inner!

• Click OK

(Method 1-Figure

- The 'Locate Intersection' window will appear.
- Click the 'Match' button for Street 1 and select the correct name.
- Click the 'Match' button for Street 2 and select the correct name.
- Click OK



OK

- (Method 1-Figure 1b)
- The correct node number for the intersection will be displayed in the Nd1 field.

(Method 1-Figure 2)

• Workspace.w	sp: Stop Transpo	rtation					x			
Confirm	Previous	Next	Flags	DELETE	CANCEL					
Stop ID:	324.188 L	.ocation: EASTF	NDGE CIR & CEN	ITRAL ST Nd	1:5499 Nd2:0		-			
Description:	E RIDGE CIR 8	E RIDGE CIR & CENTRAL ST D1: D2: 0								
	F	Frequency: MTWU	F0008-01-2	200007-31-2001						
Mode:	s	SpEd Stop: 0								
Created:	12-03-2003	Modified: 03-04-2	004							

• **Confirm** the change.

## Method 2 – Match by using the intersection's node number

- Using Maris, locate the unmatched intersection in the geocode, then id the node to get the node number.
  Open Edulog.nt
- •From the menu bar select **Stops** > **Tabular**
- •Enter the stop number
- •Delete the original information in the Location field
- •Then type a # sign and the **node number** (ex: #5499)

							(Method 2-Figure 1)
1	••• Workspace.ws	p: Stop Transport	ation				
	Confirm	Previous	Next	Flags	DELETE	CANCEL	
ĺ	Stop ID:	324.188 Lo	cation: #5499		Nd1	:0 Nd2:0	
	Description:	EASTRIDGE CIP	R & CENTRAL ST	-	D1:	0 D2: 0	
		Fre	equency: MTWU	=0008-01-2	200007-31-2001		
	Mode:	Sp	eEd Stop: 0				
	Created:	12-03-2003	Modified:03-04-2	004			

- Press the **tab** key on your keyboard.
- The new and correct node number appears in field Nd1.

								(Method 2-Figure 2)
🖁 Workspace.w								
Confirm	Previous	Next	Flags	DELETE	CANCEL			
Stop ID:	324.188 Lo	cation: <b>#</b> 5499		Nd	1:5499 Nd2:0	)	-	
Description:	EASTRIDGE CIR	R & CENTRAL ST	Г	D1	: 0 D2: 0	)		
	Fre	equency: MTWU	F0008-01-2	200007-31-2001				
Mode:	Sp	)Ed Stop: 0						
Created:	12-03-2003	Modified:03-04-2	004					

• **Confirm** the change.

Once all of the stops are fixed, re-run batch Stpscn to be sure no more unmatched stops are showing.

## Appendix A

# **Creating A Worklist of Unmatched Stops**

This document will guide the user thorough creating a worklist of unmatched stops and then opening the worklist in EdulogNT. The value of creating a worklist is that all of the stops can be loaded at one time thus keeping the user from having to type in each individual stop number.

- 12) Open Edulog.nt
- 13) From the menu bar select **Stops** > **Tabular**
- 14) From the 'Stop Edit Selection' window, click the WorkList button
- 15) The 'Select List' window opens. Click the New List button
- 16) The 'Select List Type' window opens. The radial button for Stop should be selected so click OK.
- 17) From the 'Search/Sort Parameters' window click the Data Fields button
- 18) From the 'Field Parameters' window, select the following:
  - a. Nd1
  - b. **Operators** choose **Equal**
  - c. Search Value (From) type in the number 0
- 19) Click the OK button
- 20) Repeat the process in steps 7-8 except this time select Nd2
- 21) Click the button **Save/Exit**
- 22) Enter a filename that is meaningful. (i.e., Stops not located in the geocode)
- 23) Click OK
- 24) The 'Select List' window opens so choose the worklist you just created.
- 25) Place a check mark in the box 'Always reload list on OK', then click OK
- 26) EdulogNT will ask 'View first record in the list?' Click Yes

You are now ready to start matching your stops to the geocode. You can follow the directions located on page 4, 6 or 7 in the attached document. Once you've matched a stop to the geocode and confirmed the changes, choose the next stop in the list.