Information Technology Division / Geographic Systems Section

GEOSUPPORT SYSTEM TECHNICAL BULLETIN 12-01

SUBJECT: Version 11.2 Enhancements

February 23, 2012

Target audience: All Geosupport users

Note: **Geosupport Version 11.1** consisted of an update to the GOAT screen for Function 2. GOAT now displays additional Department of Sanitation information. No bulletin was released.

Introduction

The principal enhancements to Geosupport for **Geosupport Version 11.2** include:

I. Mode Switch of X (Extended) for Work Area 2 for Functions BL and BN (COW Only)
   - i. Extended Functions BL and BN return Street Names in addition to Street Codes – New functionality
   - ii. To use Extended Work Area 2, you must define the longer (extended) work area
   - iii. The Functions BL/BN extended work area is the same as the Function 1A extended work area.

II. X-Y Coordinates returned by Functions 1/1E for NAPs and Vanity Addresses have been improved. (COW and MSW)

III. House Number suffix processing has been improved. (COW and MSW)

IV. Health Area and Health Center District information has been retired (COW and MSW).

V. For Function 1E, when no political information is found, a warning message will be issued instead of rejecting the call. (COW and MSW)

VI. GOAT: Functions 1E, 3 and 3C will return the Physical ID and/or the Generic ID depending on the circumstances. Health Areas and Health Center Districts have been removed from all screens. Low and High End Address Numbers for Function 1E have been moved to the LOW END and HIGH END title line.

VII. Miscellaneous reported bugs were fixed.

Contents

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- Work Area layout for Functions BL and BN Extended.
  (Note: the Work Area layout is identical to the layout for Function 1A Extended)

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- Table of Geosupport Functions

Appendix C

- Table of field names added to the COW Work Area 2 for Extended Functions BL and BN, broken down by programming language

Background and Overview

Users have expressed a desire to receive **Street Names along with Street Codes** when making Geosupport calls. In a previous version of Geosupport (viz. Version 11.0), Geosupport implemented a **"Mode Switch" for use by Functions 1, 1E, and 1A** to request that Geosupport return the Street Names for all Street Codes in new **"Extended" Work Areas**. For Version 11.2, Geosupport has been enhanced to allow **Functions BL and BN** to use the Mode Switch as well. The Extended Work Areas have extra space for future data items. Note that when the Mode Switch is set to 'X", for functions BL and BN, the functions may be referred to as Function BL Extended and Function BN Extended respectively.

The source for the **X-Y coordinates** returned by Functions 1/1E for NAPs and Vanity Addresses is now the **Citywide Street Centerline file (CSCL)**. The CSCL information guarantees that the X-Y coordinates fall within the actual location (e.g. building footprint) of the NAP or Vanity Address.

House Number Suffix processing has been simplified and improved, giving better results to user requests for Functions 1, 1E and 1A. This change should be totally transparent to user processing. Improved suffixes may be displayed.

The Department of Health will no longer maintain the **Health Area** and **Health Center District** fields. These fields are, therefore, becoming filler.

Geosupport calls to Function 1E where no political data is available will no longer be rejected with a GRC of 88. A warning message will be issued instead.

User Programming Considerations

I. Mode Switch of "X" (Extended) for Functions BL and BN (COW only)

- Mode Switch field defined in input byte 330 of COW Work Area 1 now available for Functions BL and BN
- Extended Work Area 2 layout available for Functions BL and BN

General Considerations

In the Version 11.0 release of Geosupport, a "Mode Switch" was defined in Work Area 1 that allows a user to call Geosupport and get a new, extended Work Area 2 for Functions 1, 1E, 1A, 3 and 3C. This new switch has been implemented for Functions BL and BN with the Version 11.2 release of Geosupport. The new, extended Work Area 2 for BL and BN contains Street Names in addition to Street Codes. Users will no longer have to make separate D, DG, or DN calls to get the street names.

The Mode Switch is a one-byte field, in column 330 of COW Work Area 1. The only valid values for the Mode Switch are "X" for extended, and blank.

The following table contains the field name in the copylibs for the Mode Switch:

BAL	C	COBOL	NATURAL	PL/1
P1IMODES	mode_switch	PIWA1-IN-MODE-SWITCH	PIWA1-IN-MODE-SWITCH	PIWA1_IN_MODE_SWITCH

COW Work Area 1 copylib members that you will need to use to set the Mode Switch for Functions BL and BN:

COW LANGUAGE	COPYLIB MEMBER
BAL	P1BAL
C	PAC
COBOL	P1COB
PL/1	P1PL1
Natural	GEOLP1

Geosupport Return Codes (GRC), Reason Codes and Error Messages that may be returned if there are problems with Mode Switch set to "X":

GRC	Reason Code	Message
31	1	MODE SWITCH OF X NOT VALID WITH LONG-WORK-AREA-2 SET TO " L"
69	C	INVALID MODE SWITCH VALUE. MUST BE X OR BLANK
70	C	MODE SWITCH OF X (EXTENDED) NOT VALID FOR THIS FUNCTION

For Function BL, a Mode Switch of "X" is not valid with the Long Work Area 2 Flag set to Y.

The first 246 bytes, up to the "Number of Entries in List of Geographic Identifiers" field, are

the same as with regular Work Area 2 for Functions BL and BN. Aside from adding the new Reason Code, Warning Code, GRC and filler to the work area for Functions BL or BN Extended, the only change is in the address list. The contents of the GRC and Reason Code are the same as the corresponding fields in Work Area 1. At this point, the Warning Code is defined but is not used in both Work Area 1 and Work Area 2. **The Principal Street Name (based on the B7SC in the address list) has been added to each element in the address list for the user's convenience**.

The following table provides the names of the COW copylib members for each programming language that you can use for Work Area 2 for Functions BL and BN with Mode Switch set to "X". To use the new, extended Work Area 2 for Functions BL and BN, look in the copylib member for the Field Name Prefix in the third column of the table. All fields for this functionality will start with this prefix. Please note that, as always, Functions BL and BN have the same Work Area 2 layout as Function 1A and are found in the same copylib member.

COW Language	**Copylib Member for Function 1A/BL/BN with Mode Switch of X**	**Function 1A/BL/BN Field Name Prefix in Copylib**
BAL	P2BAL1A	P2AX
C	PAC	C_WA2_F1AX
COBOL	P2COB1AL	PIWA2-1AX
Natural	GEOLP2AL	PIWA2-1AX
PL/1	P2PL11AL	PIWA2_1AX

Using Function BL and BN with the new Mode Switch flag of "X" is easy. DCP has kept the copylib names of individual fields for regular Functions BL and BN with Mode of "X" the same, with the exception of the prefix. Add any new fields you would like to access.
.
Here is a breakdown of what to do for each language: (Note: Functions BL and BN use the same layouts as Function 1A for both Extended and non-Extended layouts.)

BAL: Use copylib member P2BAL1A. Change all references of P21A to P2AX.

C Language: Use copylib member PAC. Use C_WA2_F1AX structure for Functions BL and BN with Mode of "X".

COBOL: Use copylib member P2COB1AL. Change all references of PIWA2-1A to PIWA2-1AX. Change all references of GEO-WA2-1A to PIWA2-1AX.

NATURAL: Use copylib member GEOLP2AL. Change all references of PIWA2-1A to PIWA2-1AX.

PL/1: Use copylib member P2PL11AL. Change all references of PIWA2_1A to PIWA2_1AX.

For a listing of fields, lengths and offsets that are now available for Functions BL and BN Extended, see the Work Area layout in **Appendix A.** See **Appendix C** for a table of field names and the associated copylib members.

GOAT:

There are no changes to GOAT, since GOAT already displays the Principal Street Names for Functions BL and BN.

GBAT:

GBAT requirements for Extended Work Area 2:

You must include the following control cards:

- MODE=X
- RECTYPE=BL or BN
- WORKAREA=COW
- GEOCODE=ALL or YES (MODE=X is invalid when GEOCODE=NO)

LONGWA2 cannot be set to YES for Function BL with MODE=X. Either do not add a control card for LONGWA2 so it defaults to NO or use the control card LONGWA2=NO.

All other control cards are the same as for each of the Functions BL and BN.

The following table contains the length of the output for Functions BL and BN with the Mode Switch set to "X". Note: You must add the length of your input record to GBAT to each of the output record lengths below.

FUNCTION	**GEOCODE = YES**	**GEOCODE = ALL**
BL or BN with Mode Switch set to X	2800	2870

II. <u>X-Y Coordinates for NAPs and Vanity Addresses Have Been Improved (COW and MSW)</u>

The **X-Y coordinates** returned by Functions 1/1E for NAPs and Vanity Addresses were an estimate calculated by Geosupport. As of Version 11.2, Geosupport will use the **Citywide Street Centerline file (CSCL)** X-Y Coordinates. The CSCL information guarantees that the X-Y coordinates fall within the actual location (e.g. building footprint) of the NAP or Vanity Address.

III. <u>House Number Suffix Processing Has Been Improved (COW and MSW)</u>

Prior to Geosupport Version 11.2, if more than three possibilities of an input house number suffix were allowed, there were situations (rare as they may be) where an address-processing-function call (e.g. Function 1, 1A or 1E) would be erroneously rejected. For instance, there were certain house numbers for which a user would get a successful hit to 1/2 GAR and not to 1/2GAR, and there were other house numbers for which a user would get a successful hit to

1/2GAR and not to 1/2 GAR. Suffix processing has been improved to result in **more successful calls** and more consistency.

In addition, Geosupport will now return more understandable suffixes when space in the display house number field is limited. For example, if there are only 6 bytes available, Geosupport will return 1/2GAR instead of #GA.

In general, the modifications will be transparent to the user, except for the occasional display of an improved version of the suffix.

Here is a short review of suffix processing.

The chart below lists valid house number suffixes. All six columns contain valid input suffixes. The first three columns in the chart may also be returned in the normalized house number field as output suffixes by Geosupport. The suffixes in columns 4, 5, and 6 will used to recognize input suffixes, but will not be returned as output in the display form of a house number. One of the suffixes from column 1, 2, or 3 will be chosen. Prior to Version 11.2, some of the suffixes in column 4, 5, or 6 may have been returned as output.

When generating display output, Geosupport chooses the contents of the first column in the chart, which contains the most preferred suffix value. This will be returned if there is room in the normalized address number field for the preferred suffix. Note, the maximum length of a suffix is 8 characters. If there is not enough room, the second preferred suffix (in the second column) is returned. The smallest preferred suffix that will be returned is in the third column of the chart below.

If there are any values in columns 4, 5 and 6, they will be used to recognize a suffix as input but will not be returned as output.

Note that for some suffixes, columns 1 and 2 are identical, or columns 2 and 3 are identical. This occurs when Geosupport has chosen only 2 preferred suffix options.

Please note that to implement the changes, the internal code values for some of the suffixes in the internal house numbers (viz. COW HNS and MSW HNI) have been changed to make them more consistent. This will apply only to suffixes that have any entry in column 4, 5, or 6. The original internal value will still be recognized as input, but will not be returned as output. Once again, this should typically be transparent to the user, however, <u>if a user has kept data in HNS or HNI (internal) format the user may want to reprocess the data to get an updated HNS or HNI.</u>

An example: 1/2 GAR (previous internal HNS value of “CH”) and 1/2GARAG (previous internal value of “CA”) now ***both*** have the same internal value, namely “CA”, and entering either 1/2 GAR or 1/2GARAG will result in a successful call. With either input, the preferred value returned for the display form of the suffix will be 1/2 GAR and the value for the internal suffix will be “CA”.

Valid Geosupport Input Suffixes					
Column 1 **1st Pref'd Output**	**Column 2** **2nd Pref'd Output**	**Column 3** **3rd Pref'd Output**	**Column 4** **Alt I/P 1**	**Column 5** **Alt I/P 2**	**Column 6** **Alt I/P 3**
1/2 FRTA	1/2FA	#FA	1/2FRTA	1/2 F A	
1/2 FRTB	1/2FB	#FB	1/2FRTB	1/2 F B	
1/2 REAR	1/2RE	#RE	1/2REAR	1/2 RE	#R
1/2 GAR	1/2GAR	#GA	1/2GARAG	1/2 GAR	
1/2FRONT	1/2FRT	#FR	1/2 FRT	1/2FRT	#F
1/2REARA	1/2RA	#RA	1/2 R A	1/2 RA	
1/2REARB	1/2RB	#RB	1/2 R B	1/2 RB	
FRONT A	FRT A	F A	FRONT-A	FRTA	FA
FRONT B	FRT B	F B	FRONT-B	FRTB	FB
INTER A	INT A	I A	INTER-A	INT-A	IA
INTER B	INT B	I B	INTER-B	INT-B	IB
INTER C	INT C	I C	INTER-C	INT-C	IC
REAR A	RE A	R A	REAR-A	R-A	RA
REAR B	RE B	R B	REAR-B	R-B	RB
1/2 A	1/2 A	# A	1/2-A	1/2A	#A
1/2 B	1/2 B	# B	1/2-B	1/2B	#B
1/2 C	1/2 C	# C	1/2-C	1/2C	#C
1/2 D	1/2 D	# D	1/2-D	1/2D	#D
1/2 E	1/2 E	# E	1/2-E	1/2E	#E
GARAGE	GAR	GAR			
A GARAGE	A GAR	AGA			
UNDRGRND	UNDER	UN			
COMMERCE	COMM	CM			
AIR RGTS	AIR	AIR			
FRONT	FRT	FR			
INTER	INT	IN			
NORTH	NO	NO			
SOUTH	SO	SO			
REAR	REAR	RE			
WEST	WEST	WE			
EAST	EAST	EA			
1/2	1/2	# (space followed by #)			
1/3	1/3	1/3			
1/4	1/4	1/4			
1/5	1/5	1/5			
AA	AA	AA			
A thru Z	A thru Z	A thru Z			

IV. Health Area and Health Center Fields Deleted (COW and MSW)

Since the Department of Health will no longer maintain the Health Area and Health Center District fields, they are being deleted from the Geosupport System.

Field names for Health Area typically have the words HEALTH AREA or the letters HA in the field names. For Health Center District, the field names typically contain either HCD, HEALTH CENTER or HEALTH CENTER DIST. Please delete or comment out all coding for

these fields from your programs when recompiling, as they will cause an error (Condition Code 8, most likely) since they no longer exist in the copylibs. Please note that some programming languages such as PL/1 will only give a warning and a Condition Code of 4 for undefined fields, but processing results will be unpredictable for these undefined fields.

The functions and associated formats from which these fields are being deleted are: from which there are being deleted are:

1/1E	COW	COW Extended	MSW
1B	COW		
2	COW		MSW
3	COW	COW Extended	MSW
3C	COW	COW Extended	MSW

V. For Function 1E, When No Political Data is Found, Error Replaced by a Warning (COW and MSW)

Prior to Version 11.2, if political information was not found for a Function 1E call, Geosupport would reject the call with a Geosupport Return Code (GRC) of 88, Reason Code 6, and the message "GEOSUPPORT SYSTEM ERROR. NOTIFY DCP/GSS USER SUPPORT & REPORT REASON CODE=6".

Geosupport will no longer give the above message allowing for more successful Function 1E calls. The user will only get a warning when there is no political information. The political information will be missing. The user will get a GRC of 01 (warning), with a Reason Code of X and the following warning: "THERE ARE NO POLITICAL DISTRICTS ASSIGNED TO THIS LOCATION". (Please note that when Geosupport issues warning messages, the warnings are prioritized and the most important message will be given, which may override the above message.)

VI. GOAT Modifications

Function 1E: The GOAT screen has been modified to display both the Physical and Generic IDs. In order to make room for both fields, the Address Number was moved to the line that says: "LOW END" and "HIGH END" right above the cross street lists.

Functions 3 and 3C: Physical ID is displayed on the GOAT screen, unless the Physical ID is missing, in which case Generic ID will be displayed.

Functions 1, 1E, 2, 3 and 3C: Health Area and Health Center District were removed from all these GOAT screens.

VII. Miscellaneous

Various bugs reported to DCP were corrected.

Appendix A

Character-Only Work Area 2 - Functions 1A, BL, BN Extended

Property Level Information

FIELD	Size	POSITIONS From	To	Comments
Internal Use	21	1	21	
Continuous Parity Indicator /Duplicate Address Indicator	1	22	22	
Low House Number of Defining Address Range	11	23	33	Sort Format
Borough-Tax Block-Tax Lot (BBL):	11	34	44	Billing BBL if Condo
Borough Code	1	34	34	
Tax Block	5	35	39	
Tax Lot	4	40	43	
Filler for Tax Lot Version Number	1	44	44	Not Implemented
RPAD Self-Check Code (SCC) for BBL	1	45	45	
Filler	1	46	46	
RPAD Building Classification Code	2	47	48	
Corner Code	2	49	50	
Number of Existing Structures on Lot	4	51	54	
Number of Street Frontages of Lot	2	55	56	
Interior Lot Flag	1	57	57	
Vacant Lot Flag	1	58	58	
Irregularly-Shaped Lot Flag	1	59	59	
Marble Hill/Rikers Island Alternate Borough Flag	1	60	60	
List of Geographic Identifiers Overflow Flag	1	61	61	'E' = more than 21 addresses for FNs 1A and BL.
Filler	19	62	80	Not Implemented
Reserved for Internal Use	1	81	81	
Building Identification Number (BIN) of Input Address or NAP	7	82	88	
Condominium Flag	1	89	89	If condo, Flag = C
Filler	1	90	90	
DOF Condominium Identification Number	4	91	94	
Condominium Unit ID Number	7	95	101	Not Implemented
Condominium Billing BBL	10	102	111	
Tax Lot Version Number for Billing BBL	1	112	112	Not Implemented
Self-Check Code (SCC) of Billing BBL	1	113	113	
Low BBL of this Building's Condominium Units	10	114	123	
Tax Lot Version Number of Low BBL	1	124	124	Not Implemented
High BBL of this Building's Condominium Units	10	125	134	
Tax Log Version Number of High BBL	1	135	135	Not Implemented
Filler	15	136	150	
Cooperative ID Number	4	151	154	
SBVP (Sanborn Map Identifier):	8	155	162	
Sanborn Borough Code	1	155	155	
Volume Number	2	156	157	
Volume Number Suffix	1	158	158	
Page Number	3	159	161	
Page Number Suffix	1	162	162	

COW Property Level Information (Function 1A, BL, BN Extended) Cont'd

FIELD	Size	POSITIONS From	To	Comments
DCP Commercial Study Area	5	163	167	
Tax Map Number Section & Volume	5	168	172	
Reserved for Tax Map Page Number	4	173	176	
Filler	23	177	199	
X-Y Coordinates of COGIS Annotation Point	14	200	213	
Business Improvement District	6	214	219	
TPAD BIN Status	1	220	220	
TPAD New BIN	7	221	227	
TPAD New BIN Status	1	228	228	
TPAD Conflict Flag	1	229	229	
Filler	9	230	238	
Internal Use	8	239	246	
Reason Code	1	247	247	
Reason Code Filler	1	248	248	
Warning Code	2	249	250	
Return Code	2	251	252	
Filler	108	253	360	
Number of Entries in List of Geographic Identifiers	4	361	364	
List of Geographic Identifiers up to 21:	2436	365	2800	
Variable length list of 116-byte entries as follows:				
Low House Number	16			Display format
High House Number	16			Display format
Street Code – B7SC				
Borough Code	1			
5-Digit Street Code	5			
DCP-Preferred Local Group Code (LGC)	2			
Building Identification Number	7			
Side of Street Indicator	1			L= Left, R= Right
Geographic Identifier	1			N-NAP G-Generic NAP X-Part of Generic NAP B-NAUB F-Frontage W-Blank Wall Q-Pseudo Address V-Vanity Address O-Out-of-Sequence Address Blank - Normal
TPAD BIN Status	1			
Street Name	32			
Filler	34			

TABLE OF GEOSUPPORT FUNCTIONS

Function	User Input	Selected Geosupport Output Items
1	Address	Standardized Street Name and Street Code, Address Range, List of Cross Streets, Zip Code, Community District, 1990 Census Tract, 2000 and 2010 Census Tract and Block, Fire Engine or Ladder Company, School District, Police Precinct, X-Y Coordinates (based on the State Plane Coordinate System)
1E	Address	Same as for Function 1 + Political Geography (Election District, Assembly District, Congressional District, City Council District, Municipal Court District and State Senatorial District)
1A	Address	Standardized Street Name and Street Code, Tax Block and Lot, Alternative Addresses for Lot, Building Identification Number, RPAD Building Class, Interior Lot Flag, Vacant Lot Flag, Irregularly-Shaped Lot Flag, Corner Code, etc.
1B	Address	Same as for Function 1E + Property Level Information from Function 1A + Street Names for Cross Streets and Address Lists
1N	Street Name	Standardized Street Name and Street Code (not available in the Desktop Edition of GOAT)
2	Pair of Intersecting Streets or Named Intersection	Standardized Street Name and Street Codes, List of Additional Cross Streets, Zip Code, Community District, 1990, 2000 and 2010 Census Tract, Fire Districts, School District, Police Precinct, X-Y Coordinates (based on State Plane Coordinate System)
3	On Street and a Pair of Consecutive Cross Streets	Standardized Street Names and Street Codes, Lists of Cross Streets at both ends, and information about both sides of the street, (including Zip Codes, Community Districts, 1990, 2000 and 2010 Census Tracts, Fire Districts, School Districts, Police Precincts)
3C	On Street and a Pair of Consecutive Cross Streets & a Compass Direction (Side of Street)	Same as Function 3 but for one side of the street only (Blockface information)
3S	On Street and an Optional Pair of any Intersecting Streets along the On Street	Street Stretch information: List of intersecting streets in order along 'on' street, the distance between them and node IDs
BF, BB	Character String	List of street names in alphabetic order - supports street name browsing
BL	Tax Block and Lot	List of Addresses Ranges for Lot, List of Building Identification Numbers (BINs), RPAD Building Class, Interior Lot Flag, Vacant Lot Flag, Corner Code, etc.
BN	Building Identification Number	List of Address Ranges for Building, Tax Block and Lot, RPAD Building Class, Interior Lot Flag, Vacant Lot Flag, Irregularly Shaped Lot Flag, Corner Code etc.
D,DG,DN	Street Code and/or House Number	Street Name and/or House Number in Displayable Format

TABLE OF FIELD NAMES NOW AVAILABLE FOR BL AND BN EXTENDED

The table below contains the names of the COW fields found in Functions BL and BN with Mode of “X” for the different programming languages:

Fn BL & BN Field for Mode X	**BAL P2BAL1A**	**C PAC**	**COBOL P2COB1AL**	**NATURAL GEOLP2AL**	**PL/1 P2PL11AL**
Reason Code	P2AXRC	reason_ code	PIWA2-1AX-REASON-CODE	PIWA2-1AX-REASON-CODE	PIWA2_1AX_ REASON_ CODE
GRC (Return Code)	P2AXGRC	ret_code	PIWA2-1AX-RETURN-CODE	PIWA2-1AX-RETURN-CODE	PIWA2_1AX_ RETURN_ CODE
# of Addresses in Address List	P2AX#ADR	nbr_addr	PIWA2-1AX-NUM-OF-ADDR	PIWA2-1AX-NUM-OF-ADDR	PIWA2_1AX_ NUM_OF_ADDR
Low House Number	P2AXLOW#	lo_hse_nbr	PIWA2-1AX-LIST-LOW-HOUSENUM	PIWA2-1AX-LIST-LOW-HOUSENUM	PIWA2_1AX_LIST_ LOW_ HOUSENUM
High House Number	P2AXHI#	hi_hse_nbr	PIWA2-1AX-LIST-HI-HOUSENUM	PIWA2-1AX-LIST-HI-HOUSENUM	PIWA2_1AX_ LIST_HI_ HOUSENUM
Borough	P2AXBCDE	B5SC	PIWA2-1AX-LIST-BORO	PIWA2-1AX-LIST-BORO	PIWA2_1AX_LIST_ BORO
5-Digit-Street Code	P2AXCODE	B5SC	PIWA2-1AX-LIST-5SC	PIWA2-1AX-LIST-5SC	PIWA2_1AX_ LIST_5SC
Preferred LGC	P2AXPLGC	lgc	PIWA2-1AX-LIST-LGC	PIWA2-1AX-LIST-LGC	PIWA2_1AX_ LIST_LGC
BIN	P2AXLBIN	bld_id	PIWA2-1AX-LIST-BIN	PIWA2-1AX-LIST-BIN	PIWA2_1AX_ LIST_BIN
Side Of Street	P2AXLSOS	sos_ind	PIWA2-1AX-LIST-SOS	PIWA2-1AX-LIST-SOS	PIWA2_1AX_ LIST_SOS
Address Type	P2AXATP	adr_type	PIWA2-1AX-ADDR-TYPE	PIWA2-1AX-ADDR-TYPE	PIWA2_1AX_ ADDR_TYPE
TPAD Status	P2AXATPS	TPAD_ bin_status	PIWA2-1AX-TPAD-STATUS	PIWA2-1AX-TPAD-STATUS	PIWA2_1AX_ TPAD_STATUS
Street Name	P2AXSTN	st_name	PIWA2-1AX-ST-NAME	PIWA2-1AX-ST-NAME	PIWA2_1AX_ ST_NAME