

Parsing of Addresses into the NENA CLDXF Format

NYS 9-1-1 GIS Standards Webinar

November 29, 2012

Street Name Elements

NENA CLDXF	FGDC	PIDF-LO
Street Name Pre Modifier	StreetNamePreModifier	PRM
Street Name Pre Directional	StreetNamePreDirectional	PRD
Street Name Pre Type	StreetNamePreType	STP
Street Name Pre Type Separator	SeparatorElement	STPS
Street Name	StreetName	RD
Street Name Post Type	StreetNamePostType	STS
Street Name Post Directional	StreetNamePostDirectional	POD
Street Name Post Modifier	StreetNamePostModifier	POM

**The elements continue to be in alignment with the PIDF-LO but now are more in alignment with FGDC. Removed leading/trailing from directionals and hyphens.*

Street Name Pre Modifier

A word or phrase in a Complete Street Name that

1. Precedes and modifies the Street Name, but is separated from it by a Street Name Pre Type or a Street Name Pre Directional or both, or
2. Is placed outside the Street Name so that the Street Name can be used in creating a sorted (alphabetical or alphanumeric) list of street names.

Street Name Pre Modifier

- **Old** North First Street
- **Alternate** North Avenue B
- **Old** China Spring Road
- **The** Oaks Drive
- **Northwest** East 14th Street

Street Name Pre Directional

A word preceding the Street Name that indicates the direction or position of the thoroughfare relative to an arbitrary starting point or line, or the sector where it is located.

Street Name Pre Directional

- **North** Main Street
- **Southwest** North Street
- **East** 400 South
- North Avenue (directional word is the Street Name)
- South Carolina Avenue (directional word is part of the Street Name)

Street Name Pre Type

A word or phrase that precedes the Street Name and identifies a type of thoroughfare in a Complete Street Name.

Street Name Pre Type

- **Avenue A**
- **Avenue of the Americas**
- **Avenue at Port Imperial**
- **Alameda de las Pulgas**
- **Rue d'Armour**
- **Avenue C Loop**
- **New York Route 43**
- **County Road 14A**
- **Bypass Highway 22**

Street Name Pre Type Separator

If a prepositional phrase appears between the Street Name Pre Type and the Street Name, the prepositional phrase is a Street Name Pre Type: Avenue **of the** Americas, Alameda **de las** Pulgas, Rue **des** Etoiles. Such constructions are rare in English-language Complete Street Names, but they are common in Spanish-, Italian-, and French-language Complete Street Names.

Street Name Pre Type Separator

- Avenue **of the** Americas
- Alameda **de las** Pulgas
- Rue **des** Etoiles
- Circle **in the** Woods
- Loop **at the** Park

Street Name

The portion of the Complete Street Name that identifies the particular thoroughfare (as opposed to the Street Name Pre Modifier, Street Name Post Modifier, Street Name Pre Directional, Street Name Post Directional, Street Name Pre Type, Street Name Post Type, and Street Name Pre Type Separator (if any) in the Complete Street Name.)

Street Name

- **Main** Street
- **MacIntyre** Drive
- **Third** Avenue
- **3rd** Avenue
- Avenue of the **Americas**
- East **400** South
- **Clarence D Lane** Road (Lane is a family name)

Street Name Post Type

A word or phrase that follows the Street Name and identifies a type of thoroughfare in a Complete Street Name.

Street Name Post Type

- Main **Street**
- MacIntyre **Drive**
- Boston-Providence **Turnpike**
- Third **Avenue**
- 3rd **Avenue**
- Avenue C **Loop**
- Tenth **Street Bypass**
- Lee **Highway Access Road**

Multiple Street Name Post Type

- 1st Street Alley
- 226th Street Drive
- Apple Lane Drive
- Breezy Lane Circle
- Cemetery Road Street
- Colony Drive Road
- Elk Pond Road Way
- Ellicott Street Road

Street Name Post Directional

A word following the Street Name that indicates the direction or position of the thoroughfare relative to an arbitrary starting point or line, or the sector where it is located.

Street Name Post Directional

- Cherry Street **North**
- North Avenue **SouthWest**
- East 400 **South**

Street Post Modifier

A word or phrase in a Complete Street Name that follows and modifies the Street Name, but is separated from it by a Street Name Post Type or a Street Name Post Directional or both.

Street Post Modifier

- East End Avenue **Extended**
- Banner Fork Road **Number 1**
- Horizon Lane West **Southeast**
- Yorktown Road **Spur**
- Tooley Road **Extension**
- Cinder Road **Loop**

Parsing Examples

Main Street

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Street Name Post Type

Street Name Post Directional

Street Name Post Modifier

Parsing Examples

Main Street

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Main

Street Name Post Type

Street

Street Name Post Directional

Street Name Post Modifier

Parsing Examples

North Main Street

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Street Name Post Type

Street Name Post Directional

Street Name Post Modifier

Parsing Examples

North Main Street

Street Name Pre Modifier

Street Name Pre Directional

North

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Main

Street Name Post Type

Street

Street Name Post Directional

Street Name Post Modifier

Parsing Examples

North Main Street Extended

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Street Name Post Type

Street Name Post Directional

Street Name Post Modifier

Parsing Examples

North Main Street Extended

Street Name Pre Modifier	
Street Name Pre Directional	North
Street Name Pre Type	
Street Name Pre Type Separator	
Street Name	Main
Street Name Post Type	Street
Street Name Post Directional	
Street Name Post Modifier	Extended

Parsing Examples

Main Street North

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Street Name Post Type

Street Name Post Directional

Street Name Post Modifier

Parsing Examples

Main Street North

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Main

Street Name Post Type

Street

Street Name Post Directional

North

Street Name Post Modifier

Parsing Examples

Avenue C

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Street Name Post Type

Street Name Post Directional

Street Name Post Modifier

Parsing Examples

Avenue C

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Avenue

Street Name Pre Type Separator

Street Name

C

Street Name Post Type

Street Name Post Directional

Street Name Post Modifier

Parsing Examples

Avenue of the Americas

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Street Name Post Type

Street Name Post Directional

Street Name Post Modifier

Parsing Examples

Avenue of the Americas

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Street Name Post Type

Street Name Post Directional

Street Name Post Modifier

Avenue

of the

Americas

Parsing Examples

Old North Main Street

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Street Name Post Type

Street Name Post Directional

Street Name Post Modifier

Parsing Examples

Old North Main Street

Street Name Pre Modifier	Old
Street Name Pre Directional	North
Street Name Pre Type	
Street Name Pre Type Separator	
Street Name	Main
Street Name Post Type	Street
Street Name Post Directional	
Street Name Post Modifier	

Parsing Examples

State Highway 85

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Street Name Post Type

Street Name Post Directional

Street Name Post Modifier

Parsing Examples

State Highway 85

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

State Highway

Street Name Pre Type Separator

Street Name

85

Street Name Post Type

Street Name Post Directional

Street Name Post Modifier

Parsing Examples

County Route 301

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Street Name Post Type

Street Name Post Directional

Street Name Post Modifier

Parsing Examples

County Route 301

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Street Name Post Type

Street Name Post Directional

Street Name Post Modifier

County Route

301

Streets Named for Places, Landmarks, Persons, Corporations or Similar Entities

If a street is named for a place, landmark, person, corporation, event, etc., the full name is included in the [Street Name](#). If the full name includes type or directional words, the [Complete Street Name](#) can be ambiguous, that is, the [Complete Street Name](#) can be parsed in more than one way, and the correct parsing cannot be determined from the [Complete Street Name](#) itself.

If there is doubt, confer with the local [Address Authority](#) (or historian) to determine whether the [Complete Street Name](#) includes the name of a place, landmark, person, corporation, event, etc.

Parsing Examples

West Virginia Avenue

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Street Name Post Type

Street Name Post Directional

Street Name Post Modifier

Parsing Examples

West Virginia Avenue

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Street Name Pre Type Separator

Street Name

West Virginia

Street Name Post Type

Avenue

Street Name Post Directional

Street Name Post Modifier

*West Virginia Avenue is named for the state of West Virginia

Parsing Examples

West Virginia Avenue

Street Name Pre Modifier

Street Name Pre Directional

West*

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Virginia

Street Name Post Type

Avenue

Street Name Post Directional

Street Name Post Modifier

*West Virginia Avenue is NOT named for the state of West Virginia

Parsing Examples

Tenth Street Bypass

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Street Name Post Type

Street Name Post Directional

Street Name Post Modifier

Parsing Examples

Tenth Street Bypass

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Tenth

Street Name Post Type

Street Bypass

Street Name Post Directional

Street Name Post Modifier

Parsing Examples

Lee Highway Access Road

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Street Name Post Type

Street Name Post Directional

Street Name Post Modifier

Parsing Examples

Lee Highway Access Road

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Lee

Street Name Post Type

Highway Access Road

Street Name Post Directional

Street Name Post Modifier

Parsing Examples

Bypass Highway 22

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Street Name Post Type

Street Name Post Directional

Street Name Post Modifier

Parsing Examples

Bypass Highway 22

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Bypass Highway

Street Name Pre Type Separator

Street Name

22

Street Name Post Type

Street Name Post Directional

Street Name Post Modifier

Parsing Examples

Bypass North Highway 22

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Street Name Post Type

Street Name Post Directional

Street Name Post Modifier

Parsing Examples

Bypass North Highway 22

Street Name Pre Modifier	Bypass
Street Name Pre Directional	North
Street Name Pre Type	Highway
Street Name Pre Type Separator	
Street Name	22
Street Name Post Type	
Street Name Post Directional	
Street Name Post Modifier	

Parsing Examples

North East 14th Street

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Street Name Post Type

Street Name Post Directional

Street Name Post Modifier

Parsing Examples

North East 14th Street

Street Name Pre Modifier	North
Street Name Pre Directional	East
Street Name Pre Type	
Street Name Pre Type Separator	
Street Name	14th
Street Name Post Type	Street
Street Name Post Directional	
Street Name Post Modifier	

Parsing Examples

Pharr Court North Northeast

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Street Name Post Type

Street Name Post Directional

Street Name Post Modifier

Parsing Examples

Pharr Court North Northeast

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Pharr

Street Name Post Type

Court

Street Name Post Directional

North

Street Name Post Modifier

Northeast

Address Number Elements

NENA CLDXF

Address Number Prefix

Address Number

Address Number Suffix

FGDC

AddressNumberPrefix

AddressNumber

AddressNumberSuffix

PIDF-LO

HNP

HNO

HNS

Parsing Examples

105 Old North Main Street

Address Number Prefix

Address Number **105**

Address Number Suffix

Street Name Pre Modifier **Old**

Street Name Pre Directional **North**

Street Name Pre Type

Street Name Pre Type Separator

Street Name **Main**

Street Name Post Type **Street**

Street Name Post Directional

Street Name Post Modifier

Parsing Examples

12B North Main Street Extended

Address Number Prefix

Address Number

12

Address Number Suffix

B

Street Name Pre Modifier

Street Name Pre Directional

North

Street Name Pre Type

Street Name Pre Type Separator

Street Name

Main

Street Name Post Type

Street

Street Name Post Directional

Street Name Post Modifier

Extended

Parsing Examples

1205 ½ County Route 301

Address Number Prefix

Address Number **1205**

Address Number Suffix **½**

Street Name Pre Modifier

Street Name Pre Directional

Street Name Pre Type **County Route**

Street Name Pre Type Separator

Street Name **301**

Street Name Post Type

Street Name Post Directional

Street Name Post Modifier

Parsing Examples

194-03 ½ 50th Avenue

Address Number Prefix	194-0
Address Number	3
Address Number Suffix	1/2
Street Name Pre Modifier	
Street Name Pre Directional	
Street Name Pre Type	
Street Name Pre Type Separator	
Street Name	50th
Street Name Post Type	Avenue
Street Name Post Directional	
Street Name Post Modifier	