NSW GURAS Delivery Model Data Dictionary

NSW GURAS Data Dictionary v4.1.html

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Theme Index

GURASTheme
This theme includes the following feature classes:

Feature Classes:

- AddressPoint
- WayPoint
- Proway

PropertyTheme
This theme includes the following feature classes:

Feature Classes:

- Property
- PropertyFragment

Object Classes
This theme includes the following feature classes:

Feature Classes:

- AddressString
- PrincipalAddressSite
- PropertyLot

Class Descriptions

AddressPoint

Description: A point feature class used to spatially locate an address / addressstring

GeometryType:esriGeometryPoint **HasM:**False **HasZ:**True

Attribute Name	Data Type	Allow Nulls	Constraints
PrincipalAddressSiteOID	Integer (0)	F	
AddressStringOID	Integer (0)	T	
Subtype	Integer (0)	T	Subtype values for this class
AddressPointUncertainty	Double (16,8)	T	
Containment	Integer (0)	F	DmG_Containment

(Top | Back)

AddressString

Description: An object class used to store address information, such as Housenumber, Roadname and Suburb.

Attribute Name	Data Type	Allow Nulls	Constraints
AddressType	Integer (0)	T	DmG_AddressType
RuralAddress	Integer (0)	T	DmG_RuralAddress
PrincipalAddressType	Integer (0)	T	DmG_PrincipalAddressType
Subtype	Integer (0)	F	Subtype values for this class
PrincipalAddressSiteOID	Integer (0)	T	
OfficialAddressStringOID	Integer (0)	T	
RoadSide	Integer (0)	T	DmG_RoadSide
HouseNumberFirst	Integer (0)	T	
HouseNumberFirstSuffix	Char	T	
HouseNumberSecond	Integer (0)	T	
HouseNumberSecondSuffix	Char	T	
RoadName	Char	F	
RoadType	Char	T	
RoadSuffix	Char	T	
UnitType	Char	T	
UnitNumberPrefix	Char	T	
UnitNumber	Integer (0)	T	
UnitNumberSuffix	Char	T	
LevelType	Char	T	
LevelNumberPrefix	Char	T	
LevelNumber	Char	T	
LevelNumberSuffix	Char	T	
AddressSiteName	Char	T	
BuildingName	Char	T	
LocationDescription	Char	T	
PrivateStreetName	Char	T	
PrivateStreetType	Char	T	
PrivateStreetSuffix	Char	T	
SecondRoadName	Char	T	
SecondRoadType	Char	T	
SecondRoadSuffix	Char	T	
SuburbName	Char	T	
State	Integer (0)	T	DmC_State
Postcode	Integer (0,12)	T	
Council	Char	F	
DeliveryPointID	Integer (0)	F	
DeliveryPointBarCode	Char	F	
AddressConfidence	Integer (0)	F	
ContributorOrigin	Integer (0)	T	DmG_ContributorOrigin
ContributorID	Char	F	
contributoralignment	Integer (0,12)	T	
RouteOID	Integer (0)	F	
GNAFPrimarySiteID	Integer (0)	T	

Containment	Integer (0)	T		DmG_Containment
PropID	Integer (0)	T		
SPPropID	Integer (0)	T		

(Top | Back)

PrincipalAddressSite

Description: an object class providing a logical container for grouping related information for an address site. A principal address site can contain multiple AddressPoints, AddressStrings related to a Property.

Attribute Name	Data Type	Allow Nulls	Constraints

(Top | Back)

Property

Description: A polygon in Guras that spatially represents an aspatial property description as provided by the Valuer Generals Department. A property can be defined as land parcels grouped into Valuations.

GeometryType:esriGeometryPolygon **HasM:**False **HasZ:**False

Attribute Name	Data Type	Allow Nulls	Constraints
PrincipalAddressSiteOID	Integer (0)	T	
Subtype	Integer (0)	F	Subtype values for this class
ValNetPropertyStatus	Integer (0)	T	DmG_ValNetPropertyStatus
ValNetPropertyType	Integer (0)	F	DmG_ValNetPropertyType
DissolveParcelCount	Integer (0)	F	
ValNetLotCount	Integer (0)	T	
ValNetWorkFlowID	Integer (0)	T	
PropID	Integer (0)	T	

(Top | Back)

PropertyFragment

Description: A Property Fragment is a spatial polygon that has a one to one or many to one relationship with the property feature class. If a property is a multi-part polygon, an individual PropertyFragment represents each part of the property polygon.

GeometryType:esriGeometryPolygon **HasM:**False **HasZ:**False

Attribute Name	Data Type	Allow Nulls	Constraints
PrincipalAddressSiteOID	Integer (0)	F	
PropertyOID	Integer (0)	F	

(Top | Back)

PropertyLot

Description: An object class providing aspatial relationships between the Property feature class and the Lot feature class

Attribute Name	Data Type	Allow Nulls	Constraints
propertyoid	Integer (0)	T	
PropID	Integer (0)	T	
ContributorOrigin	Integer (0)	T	DmG_ContributorOrigin
ContributorID	Char	T	
CadID	Integer (0)	T	

PlanLabel	Char		
PlanNumber	Integer (0)		
SectionNumber	Char	T	
LotNumber	Char	T	
PTLotSecPN	Char	T	
SPPropID	Integer (0)	T	
PropIDType	Integer (0)	T	

(Top | Back)

WayPoint

Description: A WayPoint is a point located on the RoadSegment feature class for an address where the road naming attributes from both the AddressString and the RoadSegment classes are identical. Indicates the approximate entry point of for an address.

GeometryType:esriGeometryPoint **HasM:**False **HasZ:**True

Attribute Name	Data Type	Allow Nulls	Constraints
PrincipalAddressSiteOID	Integer (0)	T	
AddressStringOID	Integer (0)	F	
AddressPointOID	Integer (0)	F	
RoadNameExtentOID	Integer (0)	T	
Subtype	Integer (0)	F	Subtype values for this class
WayPointUncertainty	Double (16,8)	T	
ContributorOrigin	Integer (0)	T	DmG_RuralAddress
ContributorID	Char	T	
DerivedBy	Integer (0)	F	DmG_DerivedBy

(Top | Back)

Proway

Description: A Proway is a line that spatially connects the AddressPoint and WayPoint.

GeometryType:esriGeometryPoint **HasM:**False **HasZ:**True

Attribute Name	Data Type	Allow Nulls	Constraints
PrincipalAddressSiteOID	Integer (0)	T	
WayPointOID	Integer (0)	T	
AddressPointOID	Integer (0)	T	
Roadside	Integer (0)	F	
Subtype	Integer (0)	F	Subtype values for this class

Attributes

AddressConfidence (Top | Back)

Description: A quality statement developed by PSMA Australia for the Geocoded National Address File (GNAF). Three confidence levels exist: 0, 1 and 2, where 0 implies that no other data source matches an address; 1 implies that one data source matches an address; and 2 implies that two data sources match an address. This attribute is not maintained in the GURAS database.

AddressPointOID (Top | Back)

Description: The objectid of an AddressPoint, referenced by another feature or object class.

AddressPointUncertainty (Top | Back)

Description: a numeric value indicating the uncertainty of the spatial accuracy of an address point. This field is not maintained.

AddressSiteName *(Top | Back)*

Description: The official place name or culturally accepted common usage name for an address site, including the name of a building, homestead, building complex, agricultural property, park or unbounded address site. For example, Charles Sturt University, Bathurst Base Hospital, Sydney Opera House.

AddressStringOID *(Top | Back)*

Description: The objectid of an AddressString, referenced by another feature or object class.

AddressType *(Top | Back)*

Description: A description of address use. In GURAS, Address must be one of three types: Property, Delivery, or Correspondence. The default value is Property.

BuildingName *(Top | Back)*

Description: The official place name or culturally accepted common usage name for a building. For example, within a university campus buildings may be identified as Library, Chancellery, Building 20A.

CadID *(Top | Back)*

Description: A unique identifier of a cadastral feature in the Digital Cadastral Database of NSW.

Containment *(Top | Back)*

Description: Boolean indicating whether an AddressPoint spatially intersects its related property polygon. True (1) indicates a spatial intersection; False (0) indicates no spatial intersection.

Contributoralignment *(Top | Back)*

Description: Boolean indicating whether a GURAS address matches its related Valnet address. Contributor alignment of 1 indicates a match; a contributor alignment of 0 indicates no match.

ContributorID *(Top | Back)*

Description: A unique object identifier supplied from the data contributor.

ContributorOrigin *(Top | Back)*

Description: The source or origin of the GURAS address.

Council *(Top | Back)*

Description: The name of the Local Government Area in which an AddressPoint is spatially located.

CreateDate *(Top | Back)*

Description: The date at which a feature was created

DeliveryPointBarCode *(Top | Back)*

Description: A field created to store barcode information related to an Australia Post address. This field is not maintained.

DeliveryPointID *(Top | Back)*

Description: Delivery Point Identification Number. A unique number created by Australia Post for an address.

DerivedBy *(Top | Back)*

Description: The method by which the spatial accuracy of a WayPoint feature was derived. In GURAS, the method must be one of three methods: Urban calculated, Rural or Rural field derived.

DissolveParcelCount *(Top | Back)*

Description: The number of cadastral lots that make up a Property.

GNAFPrimarySiteID *(Top | Back)*

Description: A unique identifier relating to a primary site in the Geocoded National Address File, supplied by the PSMA Australia.

HouseNumberFirst *([Top](#) | [Back](#))*

 Description: Identifies first (or only) street number in house number range.

HouseNumberFirstSuffix *([Top](#) | [Back](#))*

 Description: Identifies the suffix of the first number in a house number range.

HouseNumberSecond *([Top](#) | [Back](#))*

 Description: Identifies the last number in a house number range.

HouseNumberSecondSuffix *([Top](#) | [Back](#))*

 Description: Identifies the suffix of the last number in a house number range.

LevelNumber *([Top](#) | [Back](#))*

 Description: An alpha or numeric value used to distinguish a floor or level of a multi-storey building.

LevelNumberPrefix *([Top](#) | [Back](#))*

  Description: Identifies the prefix of the LevelNumber.

LevelNumberSuffix *([Top](#) | [Back](#))*

  Description: Identifies the suffix of the LevelNumber.

LevelType *([Top](#) | [Back](#))*

 Description: Identifies the type of Level in a multi-storey building (eg Ground or Basement)

LocationDescription *([Top](#) | [Back](#))*

 Description: A free text data element to describe the position of the address relative to another physical site.

LotNumber *([Top](#) | [Back](#))*

 Description: An alpha or numeric value allocated to a parcel of land created on a plan of subdivison or title e.g Lot 10 DP12345

OfficialAddressStringOID *([Top](#) | [Back](#))*

 Description: An identifier in all AddressStrings which identifies the objectid field of its parent address (usually the objectid of the Primary address of the PrincipalAddressSite).

PlanLabel *([Top](#) | [Back](#))*

 Description: The plan number and type e.g DP123, SP123, 102-3050 of a lot in the Digital Cadastral Database of NSW.

PlanNumber *([Top](#) | [Back](#))*

 Description: The number of a plan, unique for a particular type of plan.

Postcode *([Top](#) | [Back](#))*

 Description: The Australian numeric descriptor for a postal delivery area, aligned with locality, suburb or place.

PrincipalAddressSiteOID *([Top](#) | [Back](#))*

 Description: The objectid for a PrincipalAddressSite, referenced by another feature or object class

PrincipalAddressType *([Top](#) | [Back](#))*

 Description: The type of address within a PrincipalAddressSite. Each PrincipalAddressSite must have only one 'Primary' PrincipalAddressType. Additional addresses can be stored as Secondary, Alternate or Alias.

PrivateStreetName *([Top](#) | [Back](#))*

 Description: the name of a private street to which an address can be applied.

PrivateStreetSuffix *([Top](#) | [Back](#))*

 Description: the street type suffix of a private street to which an address can be applied.

PrivateStreetType *([Top](#) | [Back](#))*

Description: the street type of a private street to which an address can be applied.

PropertyOID *([Top]* | *[Back])*

Description: The objectid of a Property feature, referenced by another feature or object class.

PropID *([Top]* | *[Back])*

Description: A unique identifier of a Property feature.

PropIDType *([Top]* | *[Back])*

Description: Stored in the Propertylot class. Indicates the Property type of the Propertylot record. Possible values are Deposited Plan Property, Child Property and Common Property.

PTLotSecPN *([Top]* | *[Back])*

Description: A field in the Propertylot class storing a concatenation of the plantype, lotnumber, sectionumber and plannumber.

RoadName *([Top]* | *[Back])*

Description: The name of the road/thoroughfare applicable to the address site or complex.

RoadNameExtentOID *([Top]* | *[Back])*

Description: The objectid of the RoadNameExtent feature class, referenced by another feature or object class.

RoadSide *([Top]* | *[Back])*

Description: Identifies whether an address is on the left or right side of a street.

RoadSuffix *([Top]* | *[Back])*

Description: The term used to represent the suffix of a road/thoroughfare applicable to the address site.

RoadType *([Top]* | *[Back])*

Description: The term to distinguish the type of road/thoroughfare applicable to the address site.

RouteOID *([Top]* | *[Back])*

Description: The objectid of a Route feature, referenced by another feature or object class.

RuralAddress *([Top]* | *[Back])*

Description: Domain indicating the type of address (eg: Rural, Urban, Unknown or Waterway)

SecondRoadName *([Top]* | *[Back])*

Description: Not in use.

SecondRoadSuffix *([Top]* | *[Back])*

Description: Not in use.

SecondRoadType *([Top]* | *[Back])*

Description: Not in use.

SectionNumber *([Top]* | *[Back])*

Description: Original subdivisions in a private town where large areas or estates were subdivided and the plan was divided into sections, so that lot numbers could be repeated in each section though still retaining unique parcel identities.

SPPropID *([Top]* | *[Back])*

Description: A unique identifier for a child property in a strata scheme

State *([Top]* | *[Back])*

Description: Identifies the State where an address resides.

SuburbName *([Top]* | *[Back])*

Description: The suburb or locality name.

UnitNumber *(Top | Back)*

   Description: Identifies the unit number for an address.

UnitNumberPrefix *(Top | Back)*

  Description: Identifies the prefix of the unit number for an address.

UnitNumberSuffix *(Top | Back)*

  Description: Identifies the suffix of the unit number for an address.

UnitType *(Top | Back)*

  Description: Identifies the type of unit for an address (eg unit, villa, shop, suite).

ValNetLotCount *(Top | Back)*

  Description: The number of lot records provided by Valnet in a Property description.

ValNetPropertyStatus *(Top | Back)*

  Description: The status of a property, provided by Valnet (eg Current, Proforma or Skeleton)

ValNetPropertyType *(Top | Back)*

  Description: Identifies the type of Property, provided by Valnet (eg Nonval, Normal or UnderSP)

ValNetWorkFlowID *(Top | Back)*

    Description: Not Maintained.

WayPointUncertainty *(Top | Back)*

  Description: number indicating the level of uncertainty associated with the spatial location of a way point. This field is not maintained.

(Top | Back)

Subtype Descriptions - By Feature Class

AddressPoint - Subtypes

Property: Subtype value: **1**
Description: Default value. The AddressPoint is related to the property, but not spatially located on a dwelling.
Unit/Strata: Subtype value: **2**
Description: The AddressPoint is an address related to a strata property, but not spatially located on a dwelling.
Building: Subtype value: **3**
Description: The AddressPoint is spatially located on a Building.
Homestead: Subtype value: **4**
Description: The AddressPoint is spatially located on a Homestead.
Monument: Subtype value: **5**
Description: The AddressPoint spatially located on a Monument.
Other: Subtype value: **10**
Description: The AddressPoint is spatially located on an structure other than those above

(Top | Back)

AddressString - Subtypes

Official: Subtype value: **1**
Description: indicates an address is verified and the Suburb name and boundaries have been gazetted.
Alias: Subtype value: **2**
Description: An address that is in common usage, but does not adhere to business rules for a verified address. For example an address with a suburbname that does not exist (eg Kings Cross). Also used to describe an address received into Guras that is in conflict with addresses current held for a site.
Assigned: Subtype value: **3**

Description: the default AddressString type for all AddressStrings. The address has not been checked for completeness or accuracy.

Verified: Subtype value: **4**
Description: indicates an address is contained within its related polygon and the road name attributes are correct and match road name attributes held within the Digital Topographic Database.

([Top](#) | [Back](#))

Property – Subtypes

Property: Subtype value: **1**
Description: Indicates that all lots in a property description (supplied by Valnet) can be found in the lot feature class (DissolveParcelCount = ValnetLotCount).

Crown: Subtype value: **2**
Description: for future use

NationalPark: Subtype value: **3**
Description: for future use

StateForest: Subtype value: **4**
Description: for future use

Other: Subtype value: **5**
Description: Indicates a lot in the lot feature class cannot be found in any property description in Valnet.

Incomplete: Subtype value: **6**
Description: Indicates that one or more lots in a property description (supplied by Valnet) cannot be found in the lot feature class (DissolveParcelCount < ValnetLotCount).

([Top](#) | [Back](#))

WayPoint - Subtypes

Primary: Subtype value: **1**
Description: Indicates the WayPoint relates to the Primary address within a PrincipalAddressSite

Secondary: Subtype value: **2**
Description: Indicates the WayPoint relates to a Secondary address within a PrincipalAddressSite

Alternate: Subtype value: **3**
Description: Indicates the WayPoint relates to an Alternate address within a PrincipalAddressSite

([Top](#) | [Back](#))

Proway - Subtypes

Left: Subtype value: **1**
Description: Indicates the address is located on the left side of the road when travelling and Housenumber ascending order

Right: Subtype value: **2**
Description: Indicates the address is located on the right side of the road when travelling and Housenumber ascending order

([Top](#) | [Back](#))

Domain Descriptions

DmC_State

Domain:

2: New South Wales
3: Victoria
5: South Australia
4: Queensland

1: Australian Capital Territory

DmG_AddressType

Domain:

1: Property Address
> *Description: The address of the physical location of a property*

2: Delivery Address
> *Description: The address used for goods delivery purposes*

3: Correspondence Address
> *Description: Also known as postal address, the address used by the client for receipt of correspondence.*

DmG_DerivedBy

Domain:

1: Urban Calculated
> *Description: Indicates that the location of a WayPoint is placed at the shortest distance from an AddressPoint to a RoadSegment sharing the same road name attributes.*

2: Rural Calculated
> *Description: Indicates the WayPoint has been placed on a RoadSegment, a distance from a known Datum Point, using measurement tool within GIS software.*

3: Rural Field Derived
> *Description: Indicates the WayPoint has been placed on or near a RoadSegment, a distance from a known Datum Point, using measurement tools in the field.*

DmG_GURASID_Range

Domain:

0: MinValue
> *Description: The theoretical minimum value of GurasIDs. Qualification: While zero (0) is within the range it is a reserved value indicating a GurasID has not been allocated.*

999999999: MaxValue
> *Description: The theoretical maximum value of GurasIDs.*

DmG_ContributorOrigin

Domain:

1: Council
2: VALNET
3: Crown
4: GNAF
5: Lease
6: GURAS
7: NSW Lands Topo
8: Dept of Housing
9: RAAP

DmG_ValNetPropertyStatus

Domain:

1: CANCELLD
> *Description: Not in use. If a Valnet Property is cancelled it is removed from the Guras Database.*

2: CURRENT
> *Description: an active property containing address and valuation details.*

3: PROFORMA
> *Description: elevation from 'skeleton' containing property description.*

4: SKELETON
> *Description: auto generated when title is issued and the Land Titles office.*

(Top | Back)

DmG_ValNetPropertyType

Domain:

1: NONVAL
> *Description: is a Property that has a lot description but is not valued by the Valuer Generals department.*

2: NORMAL
> *Description: relates to a Property where its property description comprises of lots of type Deposited Plan*

3: STRATA
> *Description: Not in use.*

4: UNDERSP
> *Description: relates to a Property where its property description comprises of lots of type Strata Plan.*

(Top | Back)

DmG_RuralAddress

Domain:

1: Rural
> *Description: Indicates that the address is Rural, complying with rural addressing standards in terms of house numbering and WayPoint location.*

2: Urban
> *Description: Indicates that an address and associated components have been constructed under Guras Urban business rules.*

3: Unknown
> *Description: Indicates that the value of the RuralAddress field has not been defined. Unknown is the default value for new addresses in GURAS.*

4: Waterway
> *Description: Indicates the address is primarily accessed by water (river, lake etc).*

(Top | Back)

DmG_RoadSide

Domain:

1: Left
> *Description: Identifies that an address is on the left side of a street*

2: Right
> *Description: Identifies that an address is on the ride side of a street*

3: Unknown
> *Description: Roadside is unknown*

(Top | Back)

DmG_Containment

Domain:

1: Yes

> *Description: The AddressPoint spatially intersects its related Property polygon*

2: No

> *Description: The AddressPoint does not spatially intersect its related Property polygon*

3: Unknown

> *Description: Spatial intersection between Property and AddressPoint is unknown*

(<u>Top</u> | <u>Back</u>)

DmG_PrincipalAddressType

Domain:

1: Primary

> *Description: Indicates a feature is related to the Primary address of a site. Primary in Deposited Plan properties refers to the address of the residence at the property. Primary in Strata Properties is an address for the entire site (ie not a postal address). There can only be one Primary address for each PrincipalAddressSite.*

2: Secondary

> *Description: Indicates a feature is related to a Secondary address. Secondary in Deposited Plan properties refers to an address of a second residence located at the site. Secondary in Strata Plan properties refers to the addresses of the actual units within the strata scheme. There can be many secondary addresses for a property.*

3: Alternate

> *Description: Indicates another known address of a Primary or Secondary address. For example, a corner block that has two driveways or a large rural site that has multiple access points.*

4: Unknown

> *Description: Not in use.*

(<u>Top</u> | <u>Back</u>)