

NSW Point Bulk Address Validation

NSW Point

NSW Point comprises a range of services provided by Spatial Services as the all-of-government address management for NSW Government Agencies. Benefits include improved service delivery with ease of data entry by reduced key strokes, a seamless data entry experience across agencies and access to a verified national geocoded addressing data. Being able to locate NSW citizens will improve efficiency for emergency services, installation of utilities, reduce fraudulent activity and enable revenue to be collected. NSW Point services available include address validation at time of data entry using Address Web Services and Bulk Address Validation (BAV) of existing address data.

NSW Point Bulk Address Validation

Product description

NSW Point Bulk Address Validation allows for the validation of existing address datasets against authoritative National, State, and Postal Address datasets, and provides a formatted output that is consistent with NSW Point address web service, including:

- A geocode (set of geographic coordinates) that represents the spatial location of the validated address
- The matched address in a parsed AS4590 and NAMF standardised format
- Metadata describing the quality and type of address match
- A range of optional administrative information for each address such as Local Government Area, ABS mesh block code, State Electoral District

Product process

Addresses are matched using criteria that is customised to suit an organisation's requirements. This could include: favouring high quality address validation or geocoding for spatial analysis. The NSW Bulk Address Validation process involves:

- 1. Initial Consultation** – Our team engage with the client to assess their needs and answer any questions there may be regarding the bulk address process.
- 2. Data Assessment** – The client provides Spatial Services with a copy or sample of their data and we perform an initial assessment, providing feedback including:
 - A summary of the quality of the address dataset
 - The amount of data cleansing that may be required prior to validation
 - An overview of expected results and outcomes for the validation
 - A sample of the output results for the client's evaluation and approval
 - Expected timeframes for cleansing, processing and return of the validated data
- 3. Data Validation** – Once we have agreed on the terms of the validation, we will proceed with the matching process.
- 4. Data Resupply** – After processing, Spatial Services will supply all original and updated data back to the client in the agreed format for integration into their systems.

How do we supply our data to Spatial Services for BAV

Options available depending on the quality and quantity of the existing data set, which will be determined on receipt of your NSW BAV Request form.

We usually prefer the client to provide a **unique ID** from their dataset with each address if possible to assist clients in relating our output back to their records.

Transfer options: Spatial Services offers a secure NextCloud FTP service that is used for the sharing of input and output datasets. Access to this service will be arranged as part of the consultation process, once a job has been approved to commence.

Input format options: We are capable of handling most file types that address datasets are usually provided in e.g.

- Comma Separated Values (.CSV) – preferred format
- MS Excel Workbook (.xlsx)
- Text file (.txt)
- MS Access Database (.accdb or .mdb)
- ESRI Shapefile or geodatabase (for spatial data)

Address information in the input file can be stored as:

- A single string for each address
- A partially parsed address (e.g. Address Line 1, Suburb, State, Postcode or other combinations)
- A fully parsed address (i.e. all address elements stored in separate fields, usually in AS4590 compliant format)

Output format options: CSV is our default/standard output format. However we can provide the data in any of the formats above (or others upon client request).

Access Arrangements

BAV access is provided to NSW Government agencies as part of our all-of-government addressing services. Fees apply and will be advised for acceptance following the consultation with Spatial Services. Agencies interested in NSW Point Bulk Address Validation Services should complete the **NSW BAV Request** which will assist Spatial Services in assessing your requirements.

Standards and Specifications

Supplied address formats comply with:

- The National Address Management Framework (NAMF)
- AS4819 – Rural and urban addressing standard
- AS4590 – Interchange of client information standard

Custodian agency and contact

Spatial Services

Department of Customer Service

346 Panorama Ave, Bathurst NSW 2795

T: 1300 789 866

E: ss-nswpoint@customerservice.nsw.gov.au

W: <https://point.digital.nsw.gov.au/>