G-NAF

Data Release Report

Feb 2025

Geoscape

17 February 2025

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Introduction

G-NAF (Geocoded National Address File) is the trusted physical address index for Australia. It contains the state, suburb, street, number and coordinate reference or geocode for street addresses in Australia. G-NAF uses existing and recognised address sources (referred to as contributors) including the state and territory government land records, as well as address data from the commonwealth government and other national sources. For more information, please refer to the G-NAF Product Description.

1.1 Document Purpose

This document provides a description of the issues, changes, features, updates and overarching statistics relating to the applicable data release. This document should be read in conjunction with the relevant Product Description.

1.2 Audience

This document is made available to Geoscape staff, data contributors, direct clients and end users. It is intended to be used by business managers, data managers and analysts as a guide and reference to understanding the content and variations within a data release.

1.3 References

- G-NAF Product Description (geoscape.com.au/documentation/)
- Geoscape Data (geoscape.com.au/data/g-naf/)

1.4 Contact

Geoscape Australia Support
Geoscape Australia
Email: support@geoscape.com.au
Portal: support.geoscape.com.au
Web: www.geoscape.com.au

Overview

- Nationally, the February 2025 update of G-NAF shows an overall increase of 47,284 addresses (0.30%). The total number of addresses in G-NAF now stands at 15,706,733 of which 14,867,032 or 94.65% are principal.
- The confidence level distribution nationally for the February 2025 release has the confidence 2 addresses increasing by 37,429 from the Nov 2024 release with the total percentage of confidence 2 addresses increasing to 69.17% of principal addresses. The number of confidence 1 addresses has increased by 118 and represent 14.24% of all principal addresses, while confidence 0 addresses have increased by 4,563 and represent 16.59% of addresses.
- With respect to address reliability, there was an increase of 45,009 address-level, a decrease of 2,209 in street locality addresses and a decrease of 690 in locality-level addresses. The reliability of principal addresses in G-NAF is now made up of 98.08% address-level, 1.89% street locality addresses and 0.03% locality-level addresses.

2.1 Release Summary

2.1.1 Update summary

- Updates to addresses in the locality of Moora, Western Australia.
- Re-classification of Geocode Types in South Australia.
- For details on theses updates, refer to the 'Change Notification' section in this report.

2.1.2 Issues summary

- Impact of Cadastral shifts in Victoria.
- For more information refer to the 'Issues' section on these issues.

2.1.3 Future Considerations

- Details of these changes can be found under the 'Future Considerations' section of this report.

Change Notification

3.1 Enhancements

3.1.1 Updates to addresses in the locality of Moora, Western Australia

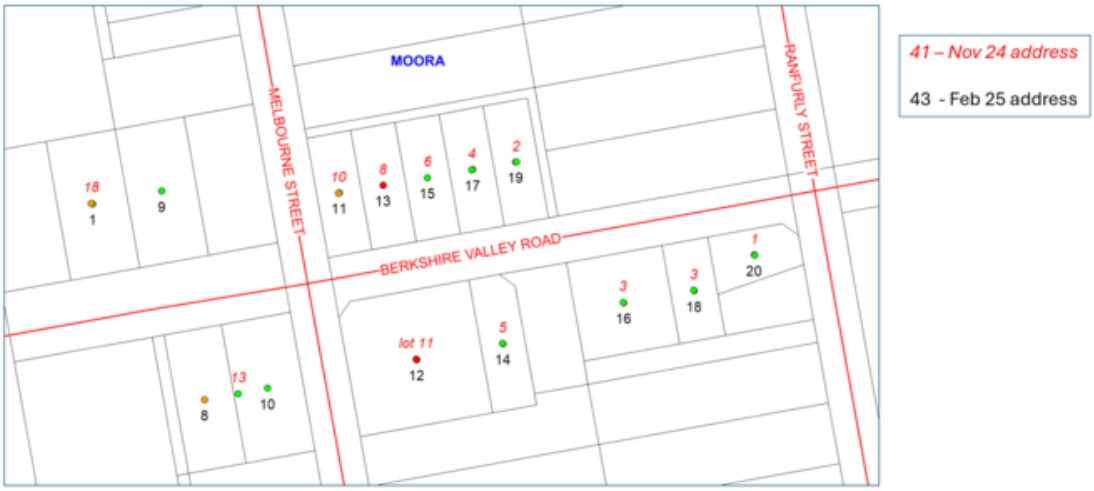
Over 300 addresses in Moora, WA, have been updated.

- Around 150 addresses have changed locations (i.e. moving from one property to another within the street). Two examples of this are provided below.
- Some 160 properties with lot-numbered addresses in the November 2024 release now have street numbers. In a number of corner properties, the alternate street name is now being used for the street-numbered address. Some contributed addresses to G-NAF are still using the lot-numbered addresses resulting in two addresses for these properties (i.e. lot-numbered and street-numbered). This will be resolved in the May 2025 update of G-NAF.

Example 1

The direction of the addresses in ATBARA STREET have changed in direction between November 24 and February 25 releases of G-NAF. (ie In Feb 25, the lowest numbers in the west, increasing as they move east)

Example 2



The direction of the addresses in BERKSHIRE VALLEY ROAD have changed in direction between November 24 and February 25 releases of G-NAF. (ie In Feb 25, the lowest numbers in the west, increasing as they move east) and the even numbers are now on the south side of the road

3.1.2 Re-classification of Geocode Types in South Australia

Geoscape has re-classified geocode types of 'Property Access Point Setback' (PAPS) to be 'Property Access Point' (PAP) in South Australia where the geocode falls within a road casement as the geocode is not set back into a land parcel.

This update has changed approximately 57,000 geocodes to PAP from their previous classification of PAPS, while there are some 14,000 PAPS geocodes that remain unchanged

3.1.3 New Localities in G-NAF

There are no new localities to report for the February 2025 Release of G-NAF.

3.2 Notification of Change

3.2.1 Removal of the 'Documents' folder from data packages

Geoscape has moved product descriptions, guides and reports online to https://docs.geoscape.com.au

Data packages no longer include the 'Documents' folder.

Issues

4.1 New Issues

Nothing to report.

4.2 Resolved Issues

Nothing to report.

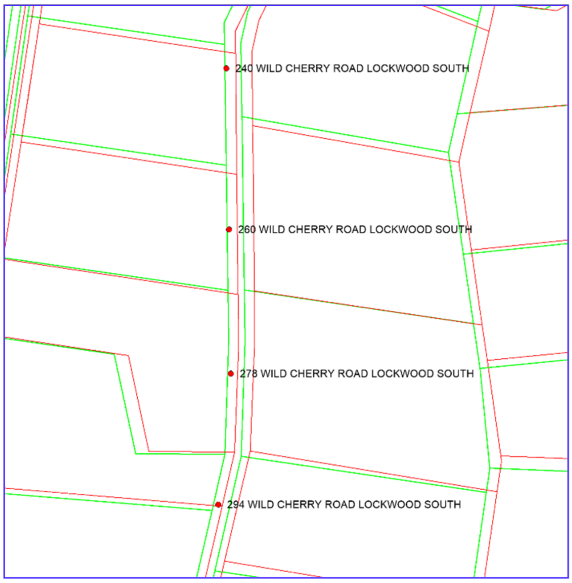
4.3 Ongoing Issues

4.3.1 Impact of Cadastral shifts in Victoria

As noted in the November 2022 G-NAF Release Report, the upgrades to the cadastral and property boundaries in Victoria are ongoing and these changes may to affect address geocodes that are relocated more than 1m from their previous geocode as a result of the boundary upgrades.

It should be noted that while the bulk of the changes expected have now been applied to the Geoscape Cadastre and Property, updates are expected to continue in more localised areas to address anomalies that remain after the bulk updates.

As noted previously, some anomalies as a result of these changes remain, for example, in a small number of cases the address geocode has not been moved by the jurisdiction resulting in the address geocode being located in the road casement, as shown below, and it is not known at this time when these geocodes will be moved by the jurisdiction back within the parcel boundaries.



Green cadastre is the spatially adjusted cadastre

Red cadastre is the cadastre before adjustment

As can be seen these addresses are now located within the road casement as a result of the 12 metre shift which occurred along this road.

4.3.2 Other ongoing changes

- Identifying and creating principal–alias address relationships including address de-duplication.
- Ongoing validation and removal of sensitive information in the building_name, address_site_name and geocode_site_name attributes.
- Targeted address improvements and corrections as required.

Future Considerations

This section outlines enhancements under consideration, but not planned into a specific release. For further details on these please contact Support.

5.1 Further improvements

Geoscape will continue to implement further improvements to G-NAF based on additional address contributions from reliable sources. The improvements will be documented at the time of the release where changes are made based on the additional address contributions.

Summary Statistics

Note

The statistics below do not include “retired” addresses (i.e. Confidence =-1)

Table 1: Geocode Reliability of Principal Addresses Only

Reliability	No of Addresses	Percentage	Change since Nov24
1 (GPS derived address level)		0.00%	
2 (Within address site boundary)	14,467,196	97.31%	45,338
3 (gap geocoded)	113,866	0.77%	-329
4 (street level)	281,606	1.89%	-2,209
5 (locality level)	4,364	0.03%	-690
6 (topo level)		0.00%	
No geocode		0.00%	
Total	14,867,032	100.00%	42,110

Table 2: Address Confidence Levels of Principal Addresses Only

Confidence level	No of Addresses	Percentage	Change since Nov24
Addresses Confidence of 0	2,466,184	16.59%	4,563
Addresses Confidence of 1	2,117,789	14.24%	118
Addresses Confidence of 2	10,283,059	69.17%	37,429
Total	14,867,032	100.00%	42,110

Table 3: Geocode Reliability of Addresses (Principals and Aliases)

Reliability	No of Addresses	Percentage	Change since Nov24
1 (GPS derived address level)		0.00%	
2 (Within address site boundary)	15,304,968	97.44%	50,531
3 (gap geocoded)	114,677	0.73%	-336
4 (street level)	282,676	1.80%	-2,212
5 (locality level)	4,412	0.03%	-699
6 (topo level)		0.00%	
No geocode		0.00%	
Total	15,706,733	100.00%	47,284

Table 4: Address Confidence Levels of Addresses (Principals and Aliases)

Confidence level	No of Addresses	Percentage	Change since Nov24
Addresses Confidence of 0	3,050,701	19.42%	7,877
Addresses Confidence of 1	2,363,525	15.05%	1,895
Addresses Confidence of 2	10,292,507	65.53%	37,512
Total	15,706,733	100.00%	47,284

Table 5: New Address ID Summary (Principals and Aliases)

State	All new Address IDs	New Principal Address IDs	Updated Addresses IDs	Net new Address IDs
TAS	909	906	4	905
VIC	17,475	17,156	490	16,985
SA	4,167	4,151	523	3,644
WA	6,712	6,663	143	6,569
NT	122	120	1	121
QLD	11,841	11,599	447	11,394
NSW	16,824	16,534	379	16,445
ACT	1,459	1,457	0	1,459
OT	0	0	0	0
TOTAL	59,509	58,586	1,987	57,522

Annex A - Detailed Statistics by Jurisdiction

The following Confidence and Level Geocoded tables show the changes that occur to principal only addresses between the new release (Feb 2025) and the previous release (Nov 2024) for each jurisdiction. The table shows information on the change in the two far-right columns, one shows the count difference between two releases (No of Addresses) and the other the percentage of change based on the total of all principal addresses (Address %). The statistics below do not include "retired" addresses (i.e. Confidence = -1).

7.1 Victoria

Table 1: Address Summary - Victoria

Address Summary - Vic	All Addresses	Principal Addresses	
	No of Addresses	No of Addresses	% National Total
Feb 2025	4,118,530	3,902,276	26.25%
Nov 2024	4,104,939	3,890,849	26.25%
Change	13,591	11,427	0.00%
Change %	0.33%	0.29%	

Table 2: Confidence - Victoria

Confidence - Vic	Feb 2025		Nov 2024		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Address Confidence of 2	2,776,431	71.15%	2,765,524	71.08%	10,907	0.07%
Address Confidence of 1	569,967	14.61%	569,423	14.63%	544	-0.03%
Address Confidence of 0	555,878	14.25%	555,902	14.29%	-24	-0.04%
Total	3,902,276		3,890,849		11,427	

Table 3: Level Geocoded - Victoria

Level Geocoded - Vic	Feb 2025		Nov 2024		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Property level geocode	3,869,925	99.17%	3,857,545	99.14%	12,380	0.03%
Street level geocode	31,720	0.81%	32,566	0.84%	-846	-0.02%
Locality level geocode	631	0.02%	738	0.02%	-107	-0.00%
Total	3,902,276		3,890,849		11,427	

7.2 New South Wales

Table 4: Address Summary - New South Wales

Address Summary - NSW	All Addresses	Principal Addresses	
	No of Addresses	No of Addresses	% National Total
Feb 2025	4,865,959	4,577,075	30.79%
Nov 2024	4,852,212	4,565,477	30.80%
Change	13,747	11,598	-0.01%
Change %	0.28%	0.25%	

Table 5: Confidence - New South Wales

Confidence - NSW	Feb 2025		Nov 2024		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Address Confidence of 2	3,107,594	67.89%	3,096,648	67.83%	10,946	0.07%
Address Confidence of 1	700,814	15.31%	701,714	15.37%	-900	-0.06%
Address Confidence of 0	768,667	16.79%	767,115	16.80%	1,552	-0.01%
Total	4,577,075		4,565,477		11,598	

Table 6: Level Geocoded - New South Wales

Level Geocoded - NSW	Feb 2025		Nov 2024		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Property level geocode	4,463,759	97.52%	4,451,876	97.51%	11,883	0.01%
Street level geocode	112,255	2.45%	112,422	2.46%	-167	-0.01%
Locality level geocode	1,061	0.02%	1,179	0.03%	-118	-0.00%
Total	4,577,075		4,565,477		11,598	

7.3 South Australia

Table 7: Address Summary - South Australia

Address Summary - SA	All Addresses	Principal Addresses	
	No of Addresses	No of Addresses	% National Total
Feb 2025	1,148,210	1,113,255	7.49%
Nov 2024	1,145,456	1,110,462	7.49%
Change	2,754	2,793	0.00%
Change %	0.24%	0.25%	

Table 8: Confidence - South Australia

Confidence - SA	Feb 2025		Nov 2024		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Address Confidence of 2	757,221	68.02%	753,832	67.88%	3,389	0.13%
Address Confidence of 1	136,201	12.23%	136,770	12.32%	-569	-0.08%
Address Confidence of 0	219,833	19.75%	219,860	19.80%	-27	-0.05%
Total	1,113,255		1,110,462		2,793	

Table 9: Level Geocoded - South Australia

Level Geocoded - SA	Feb 2025		Nov 2024		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Property level geocode	1,090,930	97.99%	1,088,230	98.00%	2,700	-0.00%
Street level geocode	22,164	1.99%	22,021	1.98%	143	0.01%
Locality level geocode	161	0.01%	211	0.02%	-50	-0.00%
Total	1,113,255		1,110,462		2,793	

7.4 Tasmania

Table 10: Address Summary - Tasmania

Address Summary - Tas	All Addresses	Principal Addresses	
	No of Addresses	No of Addresses	% National Total
Feb 2025	352,499	344,383	2.32%
Nov 2024	351,746	343,618	2.32%
Change	753	765	0.00%
Change %	0.21%	0.22%	

Table 11: Confidence - Tasmania

Confidence - Tas	Feb 2025		Nov 2024		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Address Confidence of 2	259,315	75.30%	258,745	75.30%	570	-0.00%
Address Confidence of 1	41,760	12.13%	41,645	12.12%	115	0.01%
Address Confidence of 0	43,308	12.58%	43,228	12.58%	80	-0.00%
Total	344,383		343,618		765	

Table 12: Level Geocoded - Tasmania

Level Geocoded - Tas	Feb 2025		Nov 2024		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Property level geocode	334,854	97.23%	333,955	97.19%	899	0.05%
Street level geocode	9,412	2.73%	9,473	2.76%	-61	-0.02%
Locality level geocode	117	0.03%	190	0.06%	-73	-0.02%
Total	344,383		343,618		765	

7.5 Western Australia

Table 13: Address Summary - Western Australia

Address Summary - WA	All Addresses	Principal Addresses	
	No of Addresses	No of Addresses	% National Total
Feb 2025	1,567,510	1,506,153	10.13%
Nov 2024	1,561,685	1,500,237	10.12%
Change	5,825	5,916	0.01%
Change %	0.37%	0.39%	

Table 14: Confidence - Western Australia

Confidence - WA	Feb 2025		Nov 2024		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Address Confidence of 2	1,112,841	73.89%	1,109,392	73.95%	3,449	-0.06%
Address Confidence of 1	171,186	11.37%	170,441	11.36%	745	0.00%
Address Confidence of 0	222,126	14.75%	220,404	14.69%	1,722	0.06%
Total	1,506,153		1,500,237		5,916	

Table 15: Level Geocoded - Western Australia

Level Geocoded - WA	Feb 2025		Nov 2024		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Property level geocode	1,480,892	98.32%	1,474,886	98.31%	6,006	0.01%
Street level geocode	25,155	1.67%	25,222	1.68%	-67	-0.01%
Locality level geocode	106	0.01%	129	0.01%	-23	-0.00%
Total	1,506,153		1,500,237		5,916	

7.6 Australian Capital Territory

Table 16: Address Summary - Australian Capital Territory

Address Summary - ACT	All Addresses	Principal Addresses	
	No of Addresses	No of Addresses	% National Total
Feb 2025	248,896	243,515	1.64%
Nov 2024	247,734	242,348	1.63%
Change	1,162	1,167	0.00%
Change %	0.47%	0.48%	

Table 17: Confidence - Australian Capital Territory

Confidence - ACT	Feb 2025		Nov 2024		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Address Confidence of 2	198,044	81.33%	197,603	81.54%	441	-0.21%
Address Confidence of 1	15,630	6.42%	15,706	6.48%	-76	-0.06%
Address Confidence of 0	29,841	12.25%	29,039	11.98%	802	0.27%
Total	243,515		242,348		1,167	

Table 18: Level Geocoded - Australian Capital Territory

Level Geocoded - ACT	Feb 2025		Nov 2024		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Property level geocode	242,391	99.54%	241,229	99.54%	1,162	0.00%
Street level geocode	1,124	0.46%	1,119	0.46%	5	-0.00%
Locality level geocode	0	0.00%	0	0.00%	0	0.00%
Total	243,515		242,348		1,167	

7.7 Queensland

Table 19: Address Summary - Queensland

Address Summary - QLD	All Addresses	Principal Addresses	
	No of Addresses	No of Addresses	% National Total
Feb 2025	3,287,952	3,066,808	20.63%
Nov 2024	3,278,606	3,058,471	20.63%
Change	9,346	8,337	0.00%
Change %	0.29%	0.27%	

Table 20: Confidence - Queensland

Confidence - QLD	Feb 2025		Nov 2024		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Address Confidence of 2	2,005,402	65.39%	1,997,771	65.32%	7,631	0.07%
Address Confidence of 1	456,331	14.88%	456,028	14.91%	303	-0.03%
Address Confidence of 0	605,075	19.73%	604,672	19.77%	403	-0.04%
Total	3,066,808		3,058,471		8,337	

Table 21: Level Geocoded - Queensland

Level Geocoded - QLD	Feb 2025		Nov 2024		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Property level geocode	2,988,845	97.46%	2,978,966	97.40%	9,879	0.06%
Street level geocode	75,810	2.47%	77,044	2.52%	-1,234	-0.05%
Locality level geocode	2,153	0.07%	2,461	0.08%	-308	-0.01%
Total	3,066,808		3,058,471		8,337	

7.8 Northern Territory

Table 22: Address Summary - Northern Territory

Address Summary - NT	All Addresses	Principal Addresses	
	No of Addresses	No of Addresses	% National Total
Feb 2025	113,342	109,774	0.74%
Nov 2024	113,236	109,667	0.74%
Change	106	107	0.00%
Change %	0.09%	0.10%	

Table 23: Confidence - Northern Territory

Confidence - NT	Feb 2025		Nov 2024		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Address Confidence of 2	64,685	58.93%	64,589	58.90%	96	0.03%
Address Confidence of 1	25,223	22.98%	25,267	23.04%	-44	-0.06%
Address Confidence of 0	19,866	18.10%	19,811	18.06%	55	0.03%
Total	109,774		109,667		107	

Table 24: Level Geocoded - Northern Territory

Level Geocoded - NT	Feb 2025		Nov 2024		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Property level geocode	106,077	96.63%	105,977	96.64%	100	-0.00%
Street level geocode	3,638	3.31%	3,620	3.30%	18	0.01%
Locality level geocode	59	0.05%	70	0.06%	-11	-0.01%
Total	109,774		109,667		107	

7.9 Other Territories

Table 25: Address Summary - Other Territories

Address Summary - OT	All Addresses	Principal Addresses	
	No of Addresses	No of Addresses	% National Total
Feb 2025	3,835	3,793	0.03%
Nov 2024	3,835	3,793	0.03%
Change	0	0	0.00%
Change %	0.00%	0.00%	

Table 26: Confidence - Other Territories

Confidence - OT	Feb 2025		Nov 2024		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Address Confidence of 2	1,526	40.23%	1,526	40.23%	0	0.00%
Address Confidence of 1	677	17.85%	677	17.85%	0	0.00%
Address Confidence of 0	1,590	41.92%	1,590	41.92%	0	0.00%
Total	3,793		3,793		0	

Table 27: Level Geocoded - Other Territories

Level Geocoded - OT	Feb 2025		Nov 2024		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Property level geocode	3,389	89.35%	3,389	89.35%	0	0.00%
Street level geocode	328	8.65%	328	8.65%	0	0.00%
Locality level geocode	76	2.00%	76	2.00%	0	0.00%
Total	3,793		3,793		0	