G-NAF

Data Release Report

May 2025

Geoscape

19 May 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/)
  - Geoscape Locality: May 2025
  - Geoscape Roads: March 2025
  - Geoscape Cadastre: March 2025
  - Geoscape Property: March 2025

1.4 Contact

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Overview

- Nationally, the May 2025 update of G-NAF shows an overall increase of 47,194 addresses (0.30%). The total number of addresses in G-NAF now stands at 15,753,927 of which 14,909,770 or 94.64% are principal.
- The confidence level distribution nationally for the May 2025 release has the confidence 2 addresses increasing by 37,497 from the Feb 2025 release with the total percentage of confidence 2 addresses increasing to 69.22% of principal addresses. The number of confidence 1 addresses has increased by 11,977 and represent 14.28% of all principal addresses, while confidence 0 addresses have decreased by 6,736 and represent 16.50% of addresses.
- With respect to address reliability, there was an increase of 41,010 address-level, an increase of 1,610 in street locality addresses and a increase of 118 in locality-level addresses. The reliability of principal addresses in G-NAF is now made up of 98.07% address-level, 1.90% street locality addresses and 0.03% locality-level addresses.

2.1 Release Summary

2.1.1 Update summary

- Building name updates for address separation.
- New Localities in G-NAF.
- For details on theses updates, refer to the 'Change Notification' section in this report.

2.1.2 Issues summary

- Street Locality Point updates in NSW.
- 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 Building name updates for address separation

At some locations, there are unit-numbered addresses (secondary addresses) that appear to be duplicate addresses from a G-NAF perspective, but reviewing their flat_type description reveals them as discreet addresses, typically SHOP and UNIT. See the table below.

ADDRESS_DETAIL_PID	BUILDING_NAME	FLAT_TYPE_CODE	FLAT_NUMBER	NUMBER_FIRST	STREET_NAME	STREET_TYPE_CODE	LOCALITY_NAME
GANSW721753454	RETAIL	SHOP	1	18	HARROW	ROAD	AUBURN
GANSW720098317		UNIT	1	18	HARROW	ROAD	AUBURN
GANSW721746504	RETAIL	SHOP	2	18	HARROW	ROAD	AUBURN
GANSW720096367		UNIT	2	18	HARROW	ROAD	AUBURN
GANSW721749453	RETAIL	SHOP	3	18	HARROW	ROAD	AUBURN
GANSW720093470		UNIT	3	18	HARROW	ROAD	AUBURN

Geoscape is working to identify these locations and include these addresses as separate addresses in G-NAF. To facilitate this process, some secondary addresses have had the word RETAIL added to their building names.

In the first instance, this process is being progressively rolled out to identified locations but it is expected that the requirement for this will become ongoing.

New Localities in G-NAF

There is one new locality in G-NAF: Keswick Island, QLD.

3.2 Notification of Change

None to report

Issues

4.1 New Issues

4.1.1 Street Locality Point updates in NSW

The source data used for generating G-NAF STREET_LOCALITY_POINT data has an updated datum and changed from GDA94 to GDA2020. This has resulted in updates to the STREET_LOCALITY_POINT geometry for approximately 91,000 records, however, more than 95% of these have moved less than a metre.

4.2 Resolved Issues

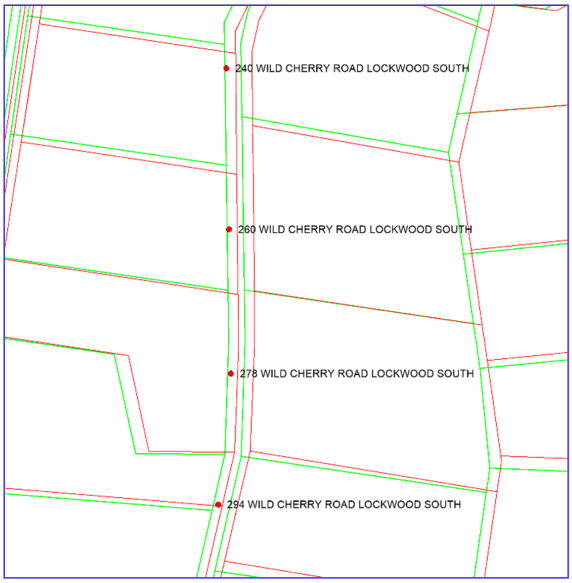
Nothing to report.

4.3 Ongoing Issues

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.

- 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 Feb25
1 (GPS derived address level)		0.00%	
2 (Within address site boundary)	14,508,797	97.31%	41,601
3 (gap geocoded)	113,275	0.76%	-591
4 (street level)	283,216	1.90%	1,610
5 (locality level)	4,482	0.03%	118
6 (topo level)		0.00%	
No geocode		0.00%	
Total	14,909,770	100.00%	42,738

Table 2: Address Confidence Levels of Principal Addresses Only

Confidence level	No of Addresses	Percentage	Change since Feb25
Addresses Confidence of 0	2,459,448	16.50%	-6,736
Addresses Confidence of 1	2,129,766	14.28%	11,977
Addresses Confidence of 2	10,320,556	69.22%	37,497
Total	14,909,770	100.00%	42,738

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

Reliability	No of Addresses	Percentage	Change since Feb25
1 (GPS derived address level)		0.00%	
2 (Within address site boundary)	15,351,081	97.44%	46,113
3 (gap geocoded)	114,073	0.72%	-604
4 (street level)	284,275	1.80%	1,599
5 (locality level)	4,498	0.03%	86
6 (topo level)		0.00%	
No geocode		0.00%	
Total	15,753,927	100.00%	47,194

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

Confidence level	No of Addresses	Percentage	Change since Feb25
Addresses Confidence of 0	3,047,566	19.34%	-3,135
Addresses Confidence of 1	2,376,212	15.08%	12,687
Addresses Confidence of 2	10,330,149	65.57%	37,642
Total	15,753,927	100.00%	47,194

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	1,021	1,020	5	1,016
VIC	13,201	12,941	322	12,879
SA	4,420	4,342	455	3,965
WA	6,238	6,204	71	6,167
NT	279	276	2	277
QLD	14,398	14,144	399	13,999
NSW	22,052	21,642	195	21,857
ACT	624	579	12	612
OT	0	0	0	0
TOTAL	62,233	61,148	1,461	60,772

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 (May 2025) and the previous release (Feb 2025) 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
May 2025	4,125,945	3,909,943	26.22%
Feb 2025	4,118,530	3,902,276	26.25%
Change	7,415	7,667	-0.02%
Change %	0.18%	0.20%	

Table 2: Confidence - Victoria

Confidence - Vic	May 2025		Feb 2025		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Address Confidence of 2	2,786,253	71.26%	2,776,431	71.15%	9,822	0.11%
Address Confidence of 1	574,707	14.70%	569,967	14.61%	4,740	0.09%
Address Confidence of 0	548,983	14.04%	555,878	14.25%	-6,895	-0.20%
Total	3,909,943		3,902,276		7,667	

Table 3: Level Geocoded - Victoria

Level Geocoded - Vic	May 2025		Feb 2025		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Property level geocode	3,877,606	99.17%	3,869,925	99.17%	7,681	0.00%
Street level geocode	31,956	0.82%	31,720	0.81%	236	0.00%
Locality level geocode	381	0.01%	631	0.02%	-250	-0.01%
Total	3,909,943		3,902,276		7,667	

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
May 2025	4,885,663	4,592,575	30.80%
Feb 2025	4,865,959	4,577,075	30.79%
Change	19,704	15,500	0.02%
Change %	0.40%	0.34%	

Table 5: Confidence - New South Wales

Confidence - NSW	May 2025		Feb 2025		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Address Confidence of 2	3,121,001	67.96%	3,107,594	67.89%	13,407	0.06%
Address Confidence of 1	701,847	15.28%	700,814	15.31%	1,033	-0.03%
Address Confidence of 0	769,727	16.76%	768,667	16.79%	1,060	-0.03%
Total	4,592,575		4,577,075		15,500	

Table 6: Level Geocoded - New South Wales

Level Geocoded - NSW	May 2025		Feb 2025		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Property level geocode	4,477,883	97.50%	4,463,759	97.52%	14,124	-0.02%
Street level geocode	113,709	2.48%	112,255	2.45%	1,454	0.02%
Locality level geocode	983	0.02%	1,061	0.02%	-78	-0.00%
Total	4,592,575		4,577,075		15,500	

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
May 2025	1,151,312	1,116,104	7.49%
Feb 2025	1,148,210	1,113,255	7.49%
Change	3,102	2,849	0.00%
Change %	0.27%	0.26%	

Table 8: Confidence - South Australia

Confidence - SA	May 2025		Feb 2025		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Address Confidence of 2	758,986	68.00%	757,221	68.02%	1,765	-0.02%
Address Confidence of 1	136,909	12.27%	136,201	12.23%	708	0.03%
Address Confidence of 0	220,209	19.73%	219,833	19.75%	376	-0.02%
Total	1,116,104		1,113,255		2,849	

Table 9: Level Geocoded - South Australia

Level Geocoded - SA	May 2025		Feb 2025		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Property level geocode	1,093,980	98.02%	1,090,930	97.99%	3,050	0.02%
Street level geocode	21,881	1.96%	22,164	1.99%	-283	-0.03%
Locality level geocode	243	0.02%	161	0.01%	82	0.01%
Total	1,116,104		1,113,255		2,849	

7.4 Tasmania

Table 10: Address Summary - Tasmania

Address Summary - Tas	All Addresses	Principal Addresses	
	No of Addresses	No of Addresses	% National Total
May 2025	353,127	345,101	2.31%
Feb 2025	352,499	344,383	2.32%
Change	628	718	0.00%
Change %	0.18%	0.21%	

Table 11: Confidence - Tasmania

Confidence - Tas	May 2025		Feb 2025		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Address Confidence of 2	260,510	75.49%	259,315	75.30%	1,195	0.19%
Address Confidence of 1	41,782	12.11%	41,760	12.13%	22	-0.02%
Address Confidence of 0	42,809	12.40%	43,308	12.58%	-499	-0.17%
Total	345,101		344,383		718	

Table 12: Level Geocoded - Tasmania

Level Geocoded - Tas	May 2025		Feb 2025		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Property level geocode	335,543	97.23%	334,854	97.23%	689	-0.00%
Street level geocode	9,455	2.74%	9,412	2.73%	43	0.01%
Locality level geocode	103	0.03%	117	0.03%	-14	-0.00%
Total	345,101		344,383		718	

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
May 2025	1,573,119	1,511,729	10.14%
Feb 2025	1,567,510	1,506,153	10.13%
Change	5,609	5,576	0.01%
Change %	0.36%	0.37%	

Table 14: Confidence - Western Australia

Confidence - WA	May 2025		Feb 2025		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Address Confidence of 2	1,116,111	73.83%	1,112,841	73.89%	3,270	-0.06%
Address Confidence of 1	174,507	11.54%	171,186	11.37%	3,321	0.18%
Address Confidence of 0	221,111	14.63%	222,126	14.75%	-1,015	-0.12%
Total	1,511,729		1,506,153		5,576	

Table 15: Level Geocoded - Western Australia

Level Geocoded - WA	May 2025		Feb 2025		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Property level geocode	1,486,360	98.32%	1,480,892	98.32%	5,468	-0.00%
Street level geocode	25,221	1.67%	25,155	1.67%	66	-0.00%
Locality level geocode	148	0.01%	106	0.01%	42	0.00%
Total	1,511,729		1,506,153		5,576	

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
May 2025	249,374	243,962	1.64%
Feb 2025	248,896	243,515	1.64%
Change	478	447	0.00%
Change %	0.19%	0.18%	

Table 17: Confidence - Australian Capital Territory

Confidence - ACT	May 2025		Feb 2025		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Address Confidence of 2	198,664	81.43%	198,044	81.33%	620	0.11%
Address Confidence of 1	15,900	6.52%	15,630	6.42%	270	0.10%
Address Confidence of 0	29,398	12.05%	29,841	12.25%	-443	-0.20%
Total	243,962		243,515		447	

Table 18: Level Geocoded - Australian Capital Territory

Level Geocoded - ACT	May 2025		Feb 2025		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Property level geocode	242,801	99.52%	242,391	99.54%	410	-0.01%
Street level geocode	1,161	0.48%	1,124	0.46%	37	0.01%
Locality level geocode	0	0.00%	0	0.00%	0	0.00%
Total	243,962		243,515		447	

7.7 Queensland

Table 19: Address Summary - Queensland

Address Summary - QLD	All Addresses	Principal Addresses	
	No of Addresses	No of Addresses	% National Total
May 2025	3,298,434	3,076,972	20.64%
Feb 2025	3,287,952	3,066,808	20.63%
Change	10,482	10,164	0.01%
Change %	0.32%	0.33%	

Table 20: Confidence - Queensland

Confidence - QLD	May 2025		Feb 2025		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Address Confidence of 2	2,012,736	65.41%	2,005,402	65.39%	7,334	0.02%
Address Confidence of 1	458,116	14.89%	456,331	14.88%	1,785	0.01%
Address Confidence of 0	606,120	19.70%	605,075	19.73%	1,045	-0.03%
Total	3,076,972		3,066,808		10,164	

Table 21: Level Geocoded - Queensland

Level Geocoded - QLD	May 2025		Feb 2025		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Property level geocode	2,998,357	97.45%	2,988,845	97.46%	9,512	-0.01%
Street level geocode	76,124	2.47%	75,810	2.47%	314	0.00%
Locality level geocode	2,491	0.08%	2,153	0.07%	338	0.01%
Total	3,076,972		3,066,808		10,164	

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
May 2025	113,118	109,591	0.74%
Feb 2025	113,342	109,774	0.74%
Change	-224	-183	0.00%
Change %	-0.20%	-0.17%	

Table 23: Confidence - Northern Territory

Confidence - NT	May 2025		Feb 2025		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Address Confidence of 2	64,769	59.10%	64,685	58.93%	84	0.18%
Address Confidence of 1	25,321	23.11%	25,223	22.98%	98	0.13%
Address Confidence of 0	19,501	17.79%	19,866	18.10%	-365	-0.30%
Total	109,591		109,774		-183	

Table 24: Level Geocoded - Northern Territory

Level Geocoded - NT	May 2025		Feb 2025		Change	
	No of Addresses	Address %	No of Addresses	Address %	No of Addresses	Address %
Property level geocode	106,153	96.86%	106,077	96.63%	76	0.23%
Street level geocode	3,381	3.09%	3,638	3.31%	-257	-0.23%
Locality level geocode	57	0.05%	59	0.05%	-2	-0.00%
Total	109,591		109,774		-183	

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
May 2025	3,835	3,793	0.03%
Feb 2025	3,835	3,793	0.03%
Change	0	0	0.00%
Change %	0.00%	0.00%	

Table 26: Confidence - Other Territories

Confidence - OT	May 2025		Feb 2025		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	May 2025		Feb 2025		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	