

Product:

PSMA | G-NAF®

Prepared:

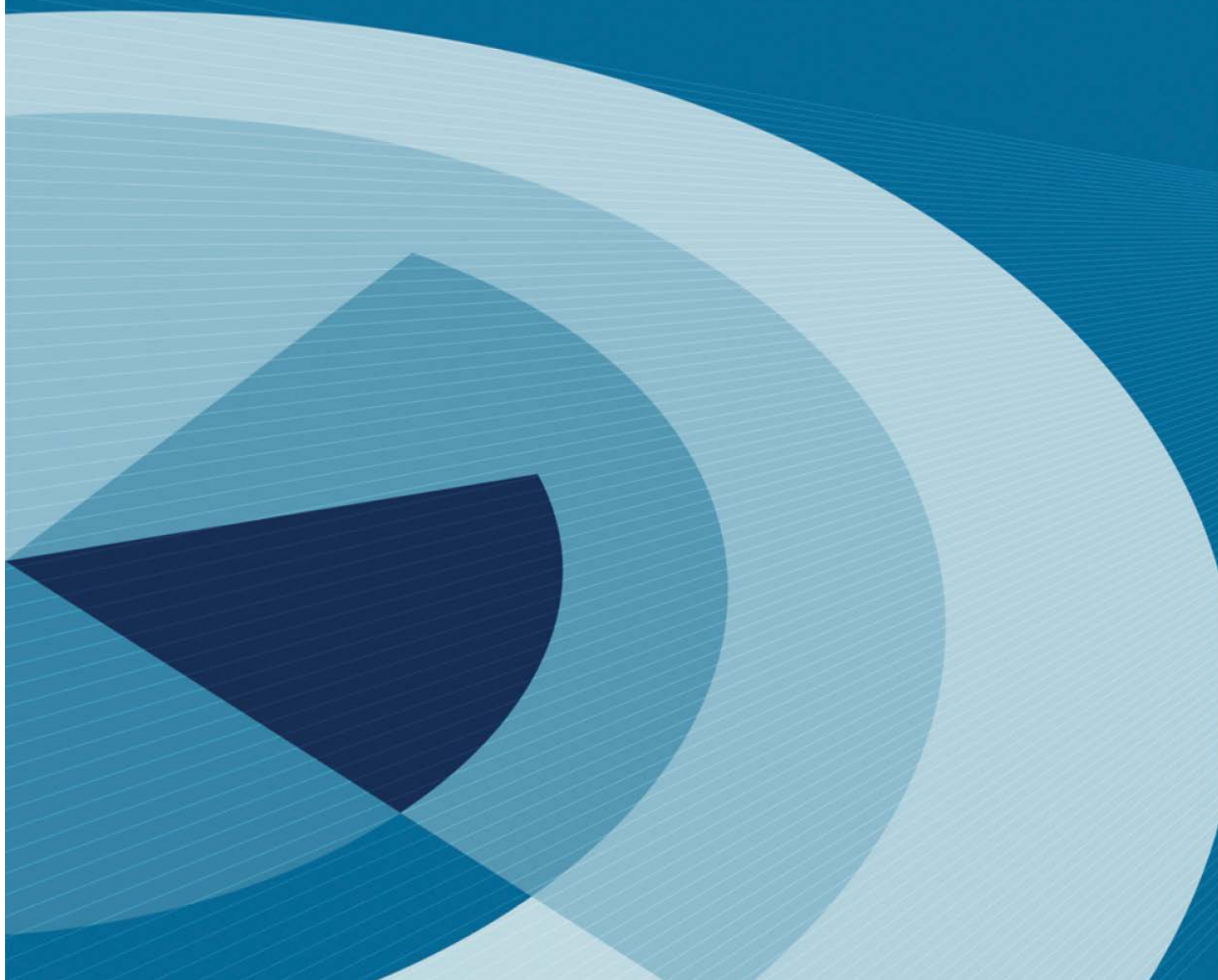
May 2016



G-NAF

Data Release Report

May 2016



Revision History

Date	Version	Change	Coordinator
May 2016	1.0	Initial Version	Michael Dixon

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Introduction

G-NAF (Geocoded National Address File) is the authoritative 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.

Document Purpose

This document provides a description of the key issues encountered and production changes applied during the assembly of this update. In addition, overarching release statistics and general change volumes are also included. This document should be read in conjunction with the accompanying G-NAF Product Description.

Audience

This document is made available to PSMA 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.

Support

PSMA Australia Support

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Overview

- Nationally, this update of G-NAF shows an increase of 58,435 addresses overall which equates to an increase of 0.42%. The total number of addresses in G-NAF now stands at 13,949,070 of which 13,431,155 or 96.29% are principal.
- Confidence levels nationally show a swing towards confidence level 2 addresses which have increased by 54,848 and now represent 64.92% of principal addresses. Confidence 1 addresses remain unchanged since the February 2016 release at 14.90% while confidence 0 addresses have decreased by 0.14% to 20.18% of addresses.
- There was an increase of 55,651 address level, a drop of 2,088 in street locality addresses and a drop of 1,239 in locality level addresses. The reliability of principal addresses in G-NAF is now made up of 95.76% address level, 3.96% street locality addresses and 0.28% locality addresses.

Updates

- There have been no significant production updates in the May 2016 release of PSMA G-NAF Data.

Issues

- In NSW it has been identified that the FLAT_NUMBER has been included as the LEVEL_NUMBER for about 75 premises. Most of these addresses have been fixed for this Release, however, 12 remain unresolved. These will be fixed in the August 2016 Release, their PIDs being:

GANSW717806385
GANSW718859301
GANSW717819602
GANSW717819600
GANSW717819598
GANSW717819599
GANSW717819601
GANSW717924371
GANSW718473076
GANSW718473077
GANSW718473075
GANSW718473074

Summary Statistics

Note: The statistics below do not include “retired” addresses (ie. Confidence = -1).

Geocode Reliability of Principal Addresses Only

Reliability	No of Addresses	Percentage	Change since February 2016
0 - NO GEOCODE	0	0.00%	0
1 - SURVEYING STANDARD	0	0.00%	0
2 - WITHIN ADDRESS SITE BOUNDARY OR ACCESS POINT	12,706,003	94.60%	53,844
3 - NEAR (OR POSSIBLY WITHIN) ADDRESS SITE BOUNDARY	155,929	1.16%	1,807
4 - UNIQUE ROAD FEATURE	531,269	3.96%	-2,088
5 - UNIQUE LOCALITY OR NEIGHBOURHOOD	37,954	0.28%	1,239
TOTAL	13,431,155	100.00%	54,802

Address Confidence Levels of Principal Addresses Only

Confidence level	Count	Percentage of Total	Change Since February 2016
Addresses with a Confidence of 0	2,710,978	20.18%	-7,186
Addresses with a Confidence of 1	2,000,796	14.90%	7,140
Addresses with a Confidence of 2	8,719,381	64.92%	54,848
TOTAL	13,431,155	100.00%	54,802

Geocode Reliability of Addresses (Principals and Aliases)

Reliability	No of Addresses	Percentage	Change since February 2016
0 - NO GEOCODE	0	0.00%	0
1 - SURVEYING STANDARD	0	0.00%	0
2 - WITHIN ADDRESS SITE BOUNDARY OR ACCESS POINT	13,218,787	94.76%	57,600
3 - NEAR (OR POSSIBLY WITHIN) ADDRESS SITE BOUNDARY	157,225	1.13%	1,765
4 - UNIQUE ROAD FEATURE	535,081	3.84%	-2,169
5 - UNIQUE LOCALITY OR NEIGHBOURHOOD	37,977	0.27%	1,239
TOTAL	13,949,070	100.00%	58,435

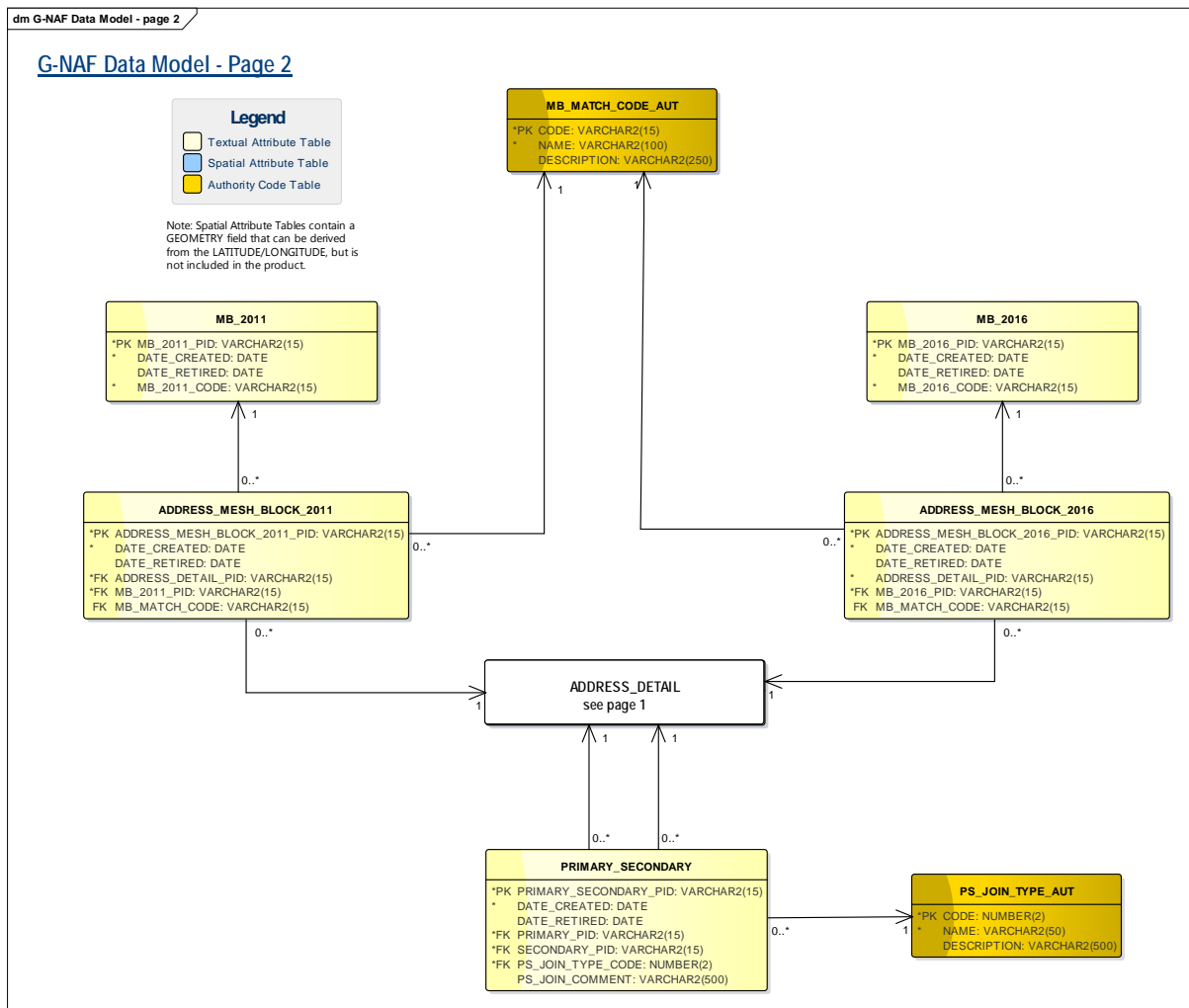
Address Confidence Levels of Addresses (Principals and Aliases)

Confidence level	Count	Percentage of Total	Change Since February 2016
Addresses with a Confidence of 0	3,067,921	21.99%	-5,104
Addresses with a Confidence of 1	2,157,799	15.47%	8,595
Addresses with a Confidence of 2	8,723,350	62.54%	54,944
TOTAL	13,949,070	100.00%	58,435

Future Considerations

The Australian Bureau of Statistics (ABS) will be undertaking the 2016 Census on 9 August 2016 and plan to release a revision of *ASGS Volume 1 – Main Structure and Greater Capital City Statistical Areas* in July prior to the Census. Subject to the data being made available by mid-July, PMSA intends to include the 2016 ABS data in the August 2016 release of G-NAF. The G-NAF data model will be updated for the August 2016 release. Two additional tables will be included:

- ADDRESS_MESH_BLOCK_2016
- MB_2016



Annex A – Detailed Statistics by Jurisdiction

Victoria

Victorian addresses represent 24.83% of the national total. Victoria has had an increase of 17,608 addresses for this release. Address confidence and address reliability both show improvement in Victoria.

Confidence - Vic	No of Addresses	%	Change from Previous Release	% Change
Addresses with a Confidence of 0	539,049	16.16%	-295	-0.09%
Addresses with a Confidence of 1	506,900	15.20%	-525	-0.10%
Addresses with a Confidence of 2	2,289,446	68.64%	18,428	0.19%

Level Geocoded - Vic	No of Addresses	%	Change from Previous Release	% Change
Addresses geocoded to Property level	3,273,256	98.14%	18,007	0.02%
Addresses geocoded to Street level	58,140	1.74%	-478	-0.02%
Addresses geocoded to Locality level	3,999	0.12%	79	0.00%

New South Wales

New South Wales addresses represent 30.87% of the national total. There was an increase of 16,672 principal addresses for NSW. Address confidence and address reliability both show improvement for the May release in NSW.

Confidence - NSW	No of Addresses	%	Change from Previous Release	% Change
Addresses with a Confidence of 0	826,482	19.93%	1,327	-0.05%
Addresses with a Confidence of 1	661,450	15.95%	1,923	-0.02%
Addresses with a Confidence of 2	2,658,046	64.11%	13,422	0.07%

Level Geocoded - NSW	No of Addresses	%	Change from Previous Release	% Change
Addresses geocoded to Property level	3,924,704	94.66%	15,910	0.00%
Addresses geocoded to Street level	206,028	4.97%	252	-0.01%
Addresses geocoded to Locality level	15,246	0.37%	510	0.01%

South Australia

South Australian addresses represent 7.85% of the national total. Both reliability and address confidence for South Australia continue to show an improving trend.

Confidence - SA	No of Addresses	%	Change from Previous Release	% Change
Addresses with a Confidence of 0	264,912	25.12%	-1,485	-0.23%
Addresses with a Confidence of 1	141,496	13.42%	1,562	0.10%
Addresses with a Confidence of 2	648,047	61.46%	3,782	0.13%

Level Geocoded - SA	No of Addresses	%	Change from Previous Release	% Change
Addresses geocoded to Property level	1,005,534	95.36%	4,761	0.10%
Addresses geocoded to Street level	45,261	4.29%	-855	-0.10%
Addresses geocoded to Locality level	3,660	0.35%	-47	-0.01%

Tasmania

Tasmanian addresses represent 2.41% of the national total. There was a small increase of 583 principal addresses for Tasmania which continues to show improving trends for both reliability and address confidence.

Confidence - TAS	No of Addresses	%	Change from Previous Release	% Change
Addresses with a Confidence of 0	58,943	18.24%	95	0.00%
Addresses with a Confidence of 1	49,183	15.22%	89	0.00%
Addresses with a Confidence of 2	214,993	66.54%	399	0.00%

Level Geocoded - TAS	No of Addresses	%	Change from Previous Release	% Change
Addresses geocoded to Property level	303,217	93.84%	624	0.02%
Addresses geocoded to Street level	18,938	5.86%	-43	-0.02%
Addresses geocoded to Locality level	964	0.30%	2	0.00%

Western Australia

Western Australian addresses represent 10.41% of the national total. Western Australia has had an increase of some 3,275 principal addresses. Both confidence and address reliability show improvement for the May 2016 release.

Confidence - WA	No of Addresses	%	Change from Previous Release	% Change
Addresses with a Confidence of 0	249,759	17.86%	-3,028	-0.26%
Addresses with a Confidence of 1	178,193	12.74%	-1,843	-0.16%
Addresses with a Confidence of 2	970,217	69.39%	8,146	0.42%

Level Geocoded - WA	No of Addresses	%	Change from Previous Release	% Change
Addresses geocoded to Property level	1,345,885	96.26%	3,313	0.01%
Addresses geocoded to Street level	48,072	3.44%	-189	-0.02%
Addresses geocoded to Locality level	4,212	0.30%	151	0.01%

Australian Capital Territory

ACT addresses represent 1.55% of the national total. There was an increase of 474 principal addresses in ACT. While confidence 2 and confidence 1 address numbers have increased, 255 and 610 respectively, the greater increase in confidence 1 has caused a slight drop in the percentage of confidence 2 addresses. The reliability of ACT addresses shows an improving trend over the previous release.

Confidence - ACT	No of Addresses	%	Change from Previous Release	% Change
Addresses with a Confidence of 0	29,484	14.20%	-391	-0.22%
Addresses with a Confidence of 1	16,281	7.84%	610	0.28%
Addresses with a Confidence of 2	161,852	77.96%	255	-0.06%

Level Geocoded - ACT	No of Addresses	%	Change from Previous Release	% Change
Addresses geocoded to Property level	204,745	98.62%	492	0.01%
Addresses geocoded to Street level	2,861	1.38%	-18	-0.01%
Addresses geocoded to Locality level	11	0.01%	0	0.00%

Queensland

Queensland addresses represent 21.29% of the national total. There was an increase of some 11,500 addresses in Queensland. Both address and confidence match rates show a slight improvement for Queensland for the May 2016 release.

Confidence - QLD	No of Addresses	%	Change from Previous Release	% Change
Addresses with a Confidence of 0	713,892	24.96%	-3,802	-0.23%
Addresses with a Confidence of 1	423,308	14.80%	5,405	0.13%
Addresses with a Confidence of 2	1,722,647	60.24%	9,946	0.10%

Level Geocoded - QLD	No of Addresses	%	Change from Previous Release	% Change
Addresses geocoded to Property level	2,705,165	94.59%	11,855	0.03%
Addresses geocoded to Street level	145,327	5.08%	-841	-0.05%
Addresses geocoded to Locality level	9,355	0.33%	535	0.02%

Northern Territory

Northern Territory addresses represent 0.77% of the national total. Northern Territory had a small increase of 782 addresses. Address confidence continues to show improvement while address reliability has fallen slightly in the May release.

Confidence - NT	No of Addresses	%	Change from Previous Release	% Change
Addresses with a Confidence of 0	26,003	25.09%	393	0.19%
Addresses with a Confidence of 1	23,540	22.71%	-81	-0.25%
Addresses with a Confidence of 2	54,116	52.21%	470	0.06%

Level Geocoded - NT	No of Addresses	%	Change from Previous Release	% Change
Addresses geocoded to Property level	96,859	93.44%	689	-0.04%
Addresses geocoded to Street level	6,411	6.18%	84	0.03%
Addresses geocoded to Locality level	389	0.38%	9	0.01%

Other Territories

Other territories addresses represent 0.02% of the national total. There was no change in the confidence and reliability for OT in the May release.

Confidence - OT	No of Addresses	%	Change from Previous Release	% Change
Addresses with a Confidence of 0	2,454	84.16%	0	0.00%
Addresses with a Confidence of 1	445	15.26%	0	0.00%
Addresses with a Confidence of 2	17	0.58%	0	0.00%

Level Geocoded - OT	No of Addresses	%	Change from Previous Release	% Change
Addresses geocoded to Property level	2,567	88.03%	0	0.00%
Addresses geocoded to Street level	231	7.92%	0	0.00%
Addresses geocoded to Locality level	118	4.05%	0	0.00%