NEW STRATEGIES FOR SUSTAINABLE GROWTH
1-2 APRIL 2014 MELBOURNE, AUSTRALIA

Global Truck & Trailer LEADERS SUMMIT
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The Size and Nature of the Australian Truck and Trailer Fleet

Dr Peter Hart

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Vehicle Data Sources

- RVCS
  Road Vehicle Certification System

Vehicle Data Sources

RVCS Certification Unit Search Results

- **J & S Freightliners Pty Ltd [NSW]**
  - J & S FREIGHTLINERS - TANDEM - Certification Unit ID: 43866
  - J & S FREIGHTLINERS - TRIAXLE DOLLY - Certification Unit ID: 45733
- **Mercedes-Benz Australia/Pacific Pty Ltd [VIC]**
  - FREIGHTLINER - FLH - Certification Unit ID: 24196
  - FREIGHTLINER - FLH 8X4 - Certification Unit ID: 28223
  - FREIGHTLINER - FLX - Certification Unit ID: 24183
  - Freightliner - FLX 10X4 - Certification Unit ID: 43739
  - Freightliner - FLX 4X2 - Certification Unit ID: 32623
  - Freightliner - FLX 8X4 - Certification Unit ID: 43589

Vehicle Data Sources

RVCS

Road Vehicle Descriptor (RVD2)

FORS Use Only	
CPA No.	24196-10614
Issue Date	

for category MD4, ME, NB2, and NC vehicles.

Document

Licensee's reference for this document *(Use only 12 characters)*	Licensee's Name	Date *(dd/mm/yyyy)*
FLH3RD1301a	Mercedes-Benz Australia/Pacific I	3-Feb-2014

Vehicle Data Sources

Variant Information

	1	2	3	4	5
Variant Name	Argosy (min)	Argosy (max)			
Axle Code	R14	R14			
Tare Mass	7946	10083			
Gross Vehicle Mass	24000	26000			
Gross Combination Mass	46000	140000			
B-Double Capable	Yes	Yes			
Road Train Capable	Yes	Yes			

Typical Vehicle Identification Numbers

Variant	Vehicle Identification Number	AMVCB Grid Location		
1	1F?@AW%&#$L00000	11	N	9
2	1F?@AW%&#$L00000	11	N	9
3				
4				

Typical Compliance Plate Location

22	K	16

Typical Tyre Placard Location

RVCS Statistics

Unless expressly stated otherwise all the following statistics are for:

Heavy Vehicles

Ratings > 12 t.

Truck category NC

Trailer category TD

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Truck Suppliers – Category NC (≥ 12t)

No. of OEM Truck Suppliers = 18

No. of OEM Truck Models = 182

No. of Second Stage Truck Suppliers = 53

No. of Second Stage Truck Models = 284

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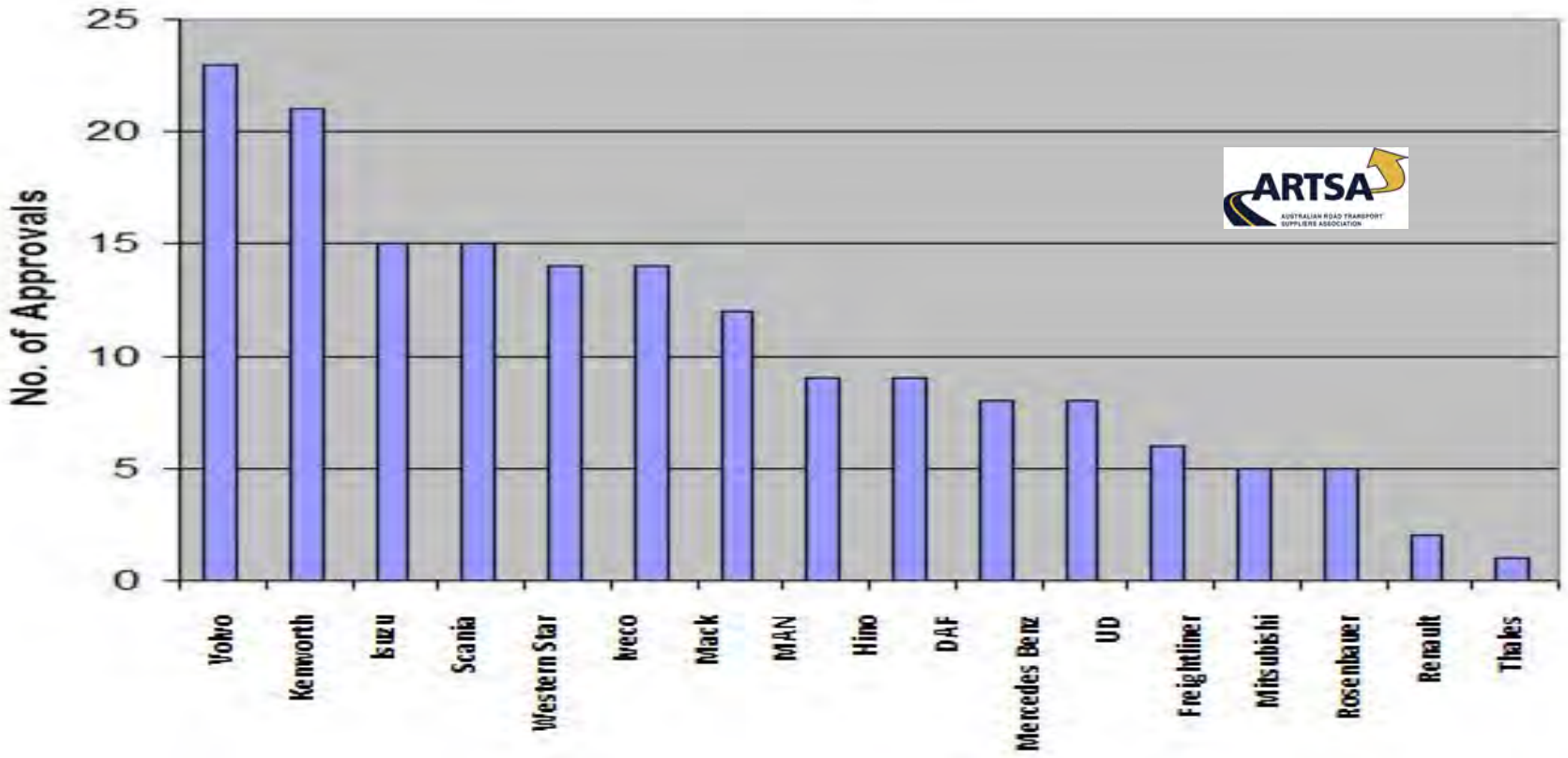
OEM Truck Manufacturers



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Trailer Suppliers Holding Current Australian Approvals - Category TD (heavy trailers – ATM ≥ 12t)

No. of OEM Trailer Suppliers = 157

No. of OEM Trailer Models = 2969

Trailer Suppliers Holding Current Australian Approvals - Category TD (heavy trailers – ATM ≥ 12t)

No. of OEM Trailer Suppliers = 157

No. of OEM Trailer Models = 2969

Of these models, 1560 had the VIN number allocated by a state road agency ("6T9…")

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Trailer Suppliers by Number of Approvals (10 or more)

MTE	59		
ASTEC	41	HAULMARK	12
TOPSTART	23	KRUEGER	12
TRIAD	23	MARS	12
DRAKE	22	PG & A	12
BARKER	21	SLOANBUILT	12
CHASSIS LINE	20	BRYSTOCK	11
ENSIGN	19	EVERTRANS	11
LUSTY AUSTRALIA	19	HERCULES	11
HP	18	MACHINERY TRAI	11
MAXITRANS	18	RWT	11
STOODLEY	18	SCHLUMBERGER	11
GTE	16	SHEPHARD	11
CTE	15	TIP TRAILERS RUS	11
J SMITH & SONS	15	CONFAB TRAILERS	10
VB	14	DICKINSON	10
CQP	13	OPHEE	10
SOUTHERN CROSS	13	PG	10
TITAN	13	SAMS TRAILERS	10
TUFF TRAILERS	13	SHANKS	10
		TIAPAN TRAILERS	10
		TIEMAN	10
		TRISTAR	10

Vehicle Data Sources

- NEVDIS
  National Exchange of Driver Information System

Vehicle Data Sources

Size of the Fleet

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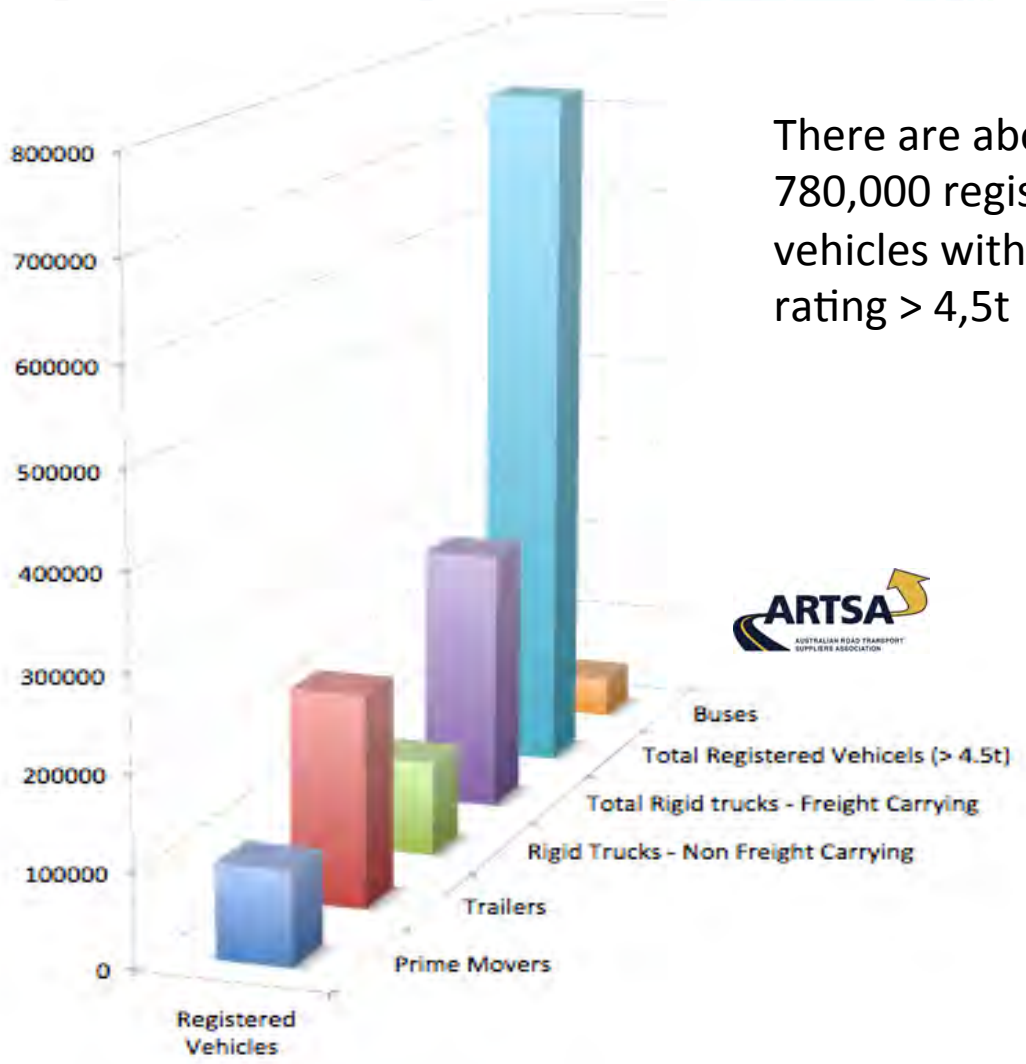
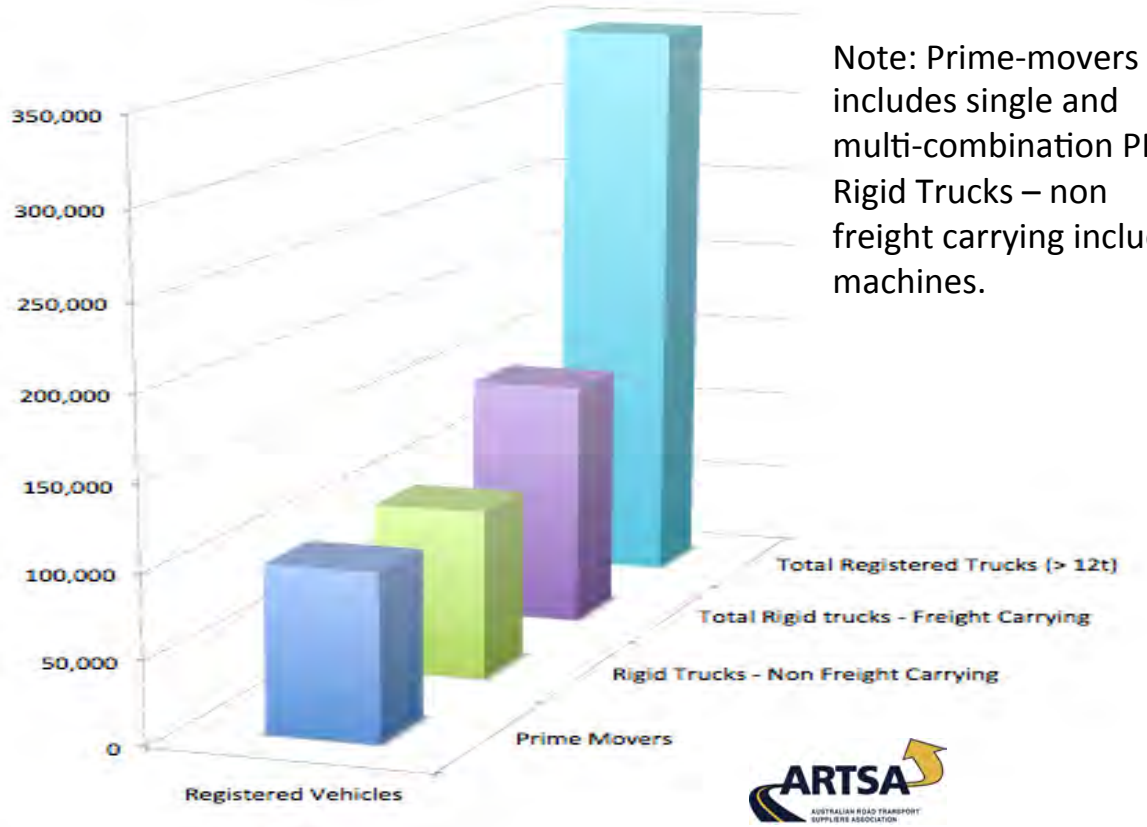
Size of the Fleet (Registered > 4.5t)



There are about 780,000 registered vehicles with rating > 4,5t

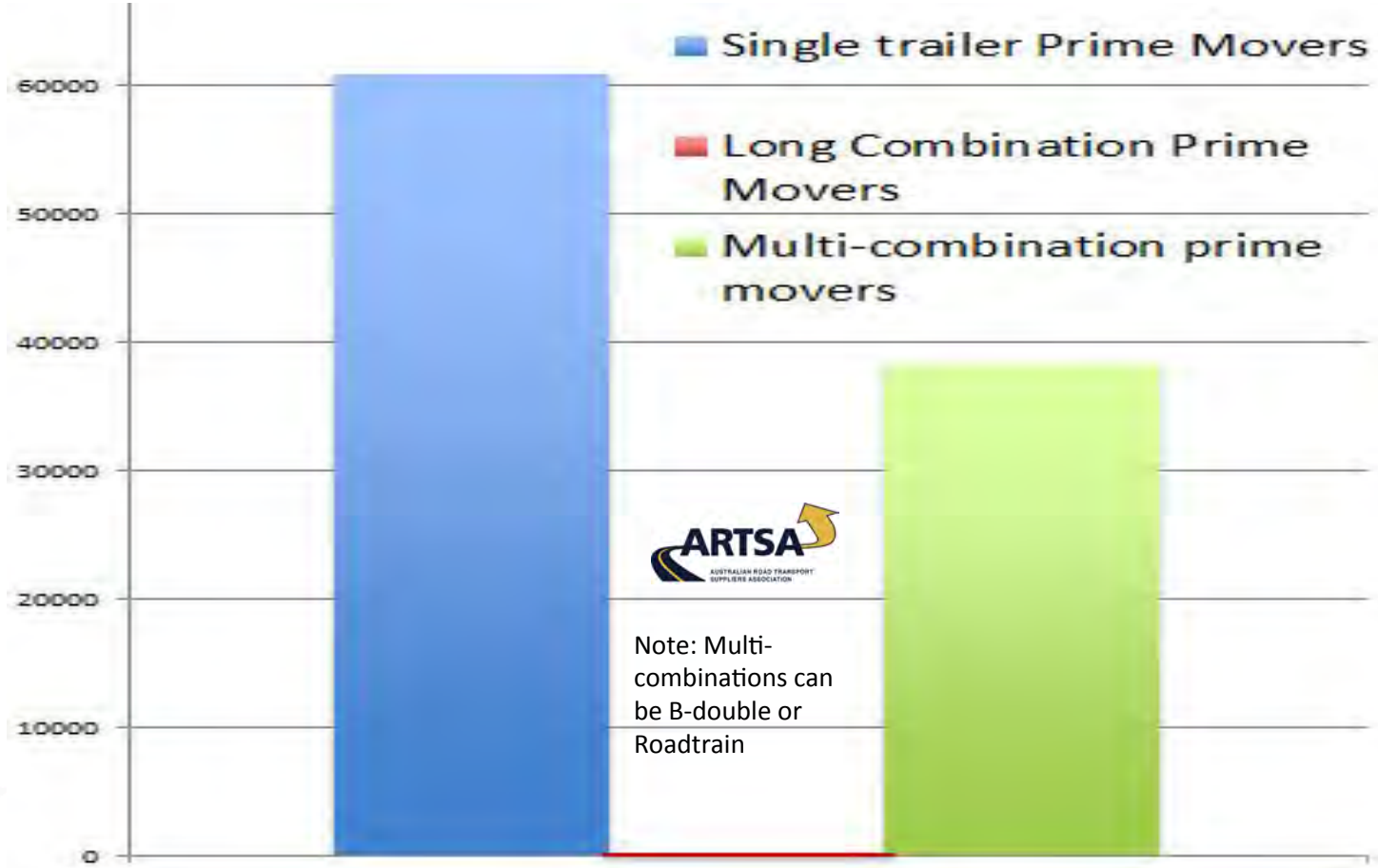
Size of the Truck Fleet (registered > 12t)

There are 257,857 heavy freight carrying trucks (including prim-movers)



Note: Prime-movers includes single and multi-combination PMs. Rigid Trucks – non freight carrying includes machines.

Prime Mover Applications – Single, Long and Multi-combination



Note: Multi-combinations can be B-double or Roadtrain

Vehicle Data Sources

Age of the Fleet - Trucks

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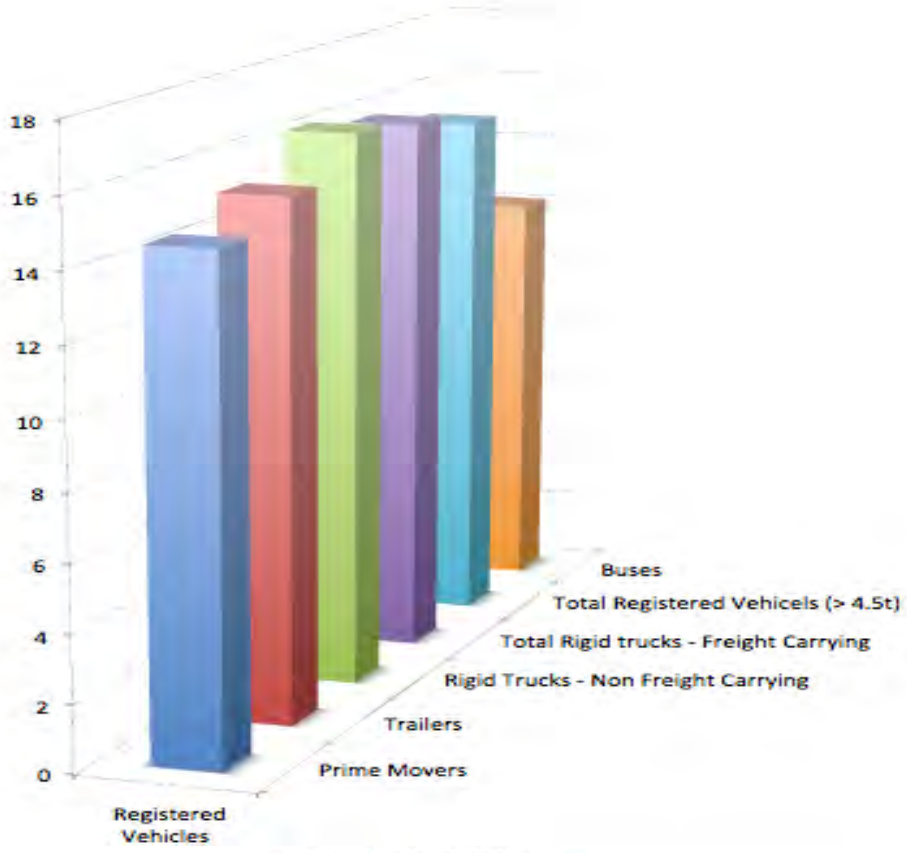
Average Age of the Fleet (Registered > 4.5t)



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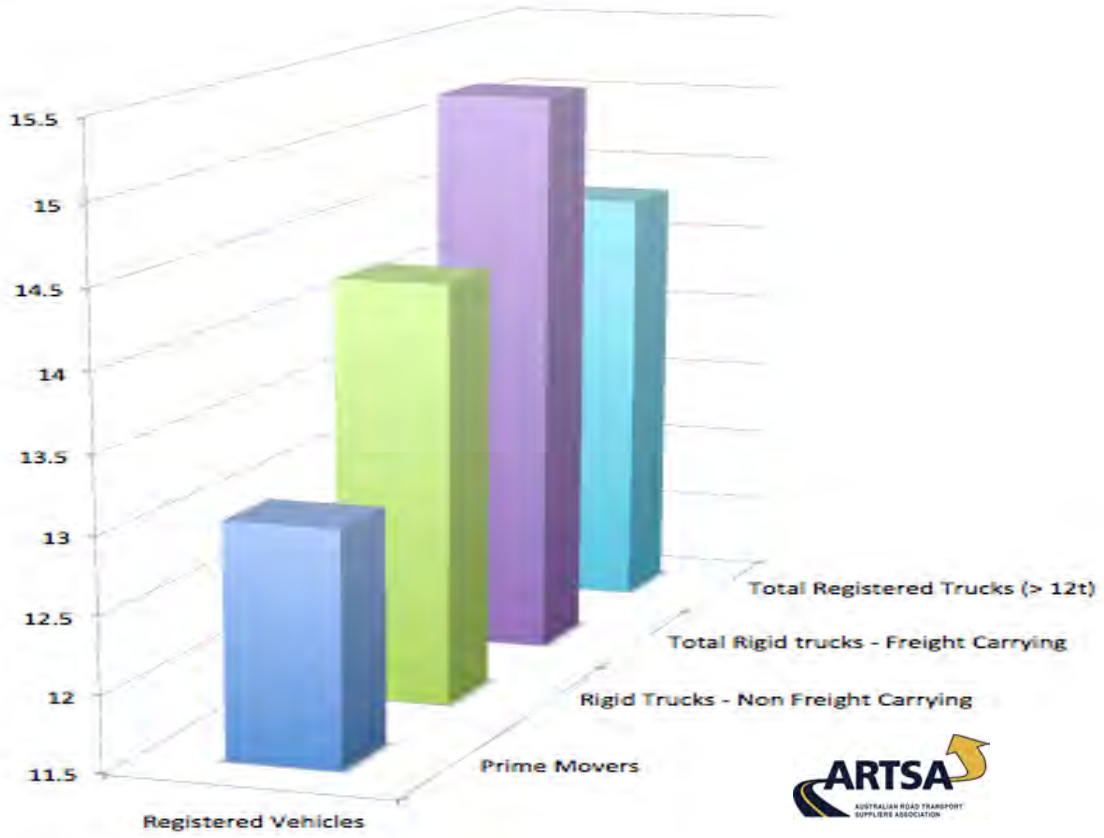
Average Age of the Truck Fleet (Registered > 12t)



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Breakdown of the Trailer Fleet

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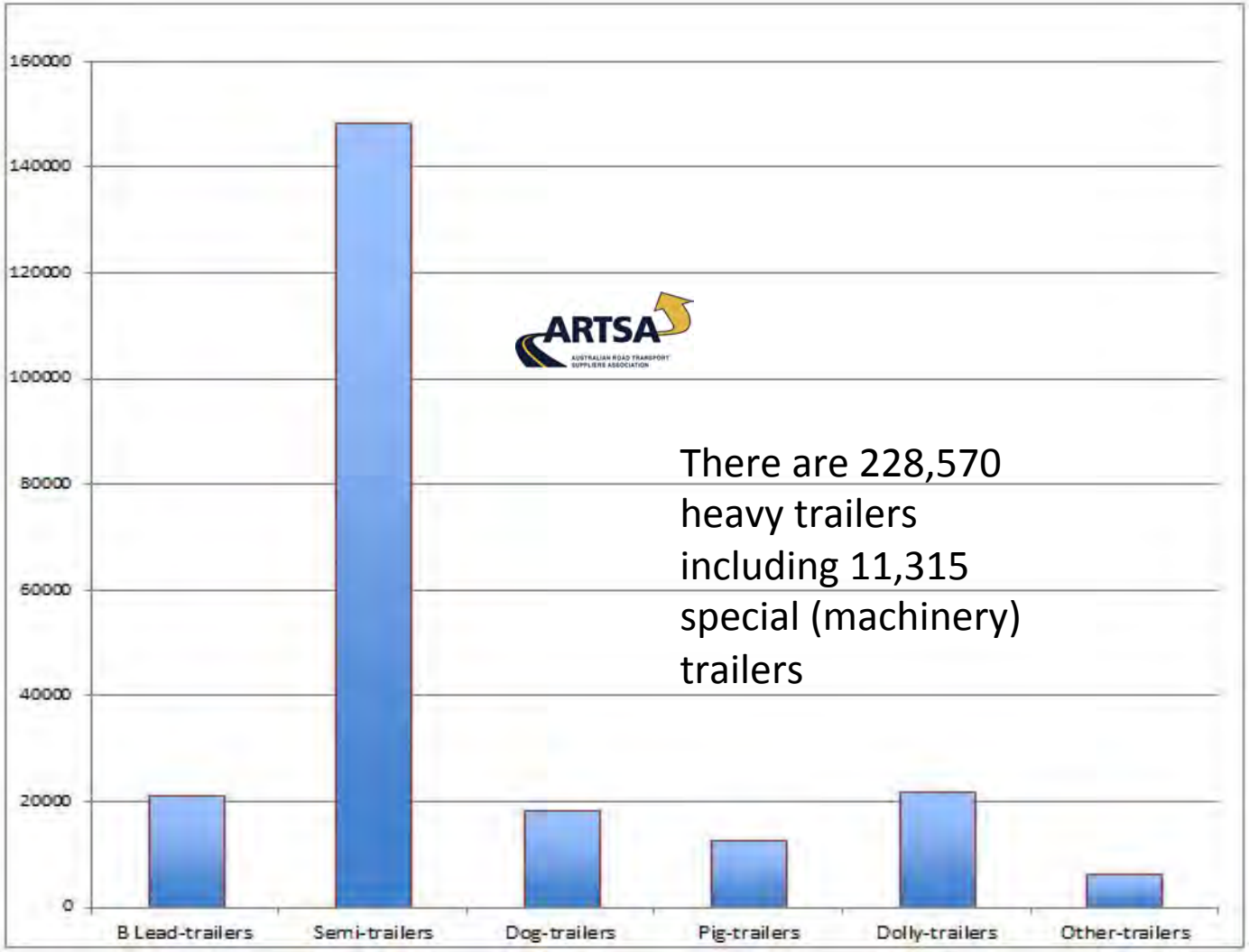
The Trailer Fleet (ATM > 12t)



There are 228,570 heavy trailers including 11,315 special (machinery) trailers

Age Profile of the Trailer Fleet

Age Profile of the Trailer Fleet

Note:
'Median Age' is quoted.
For 'Median Age' there are as many vehicles older as are younger.
This is a more relevant measure of age than the 'Average' (which is greatly affected by small numbers of very old vehicles).

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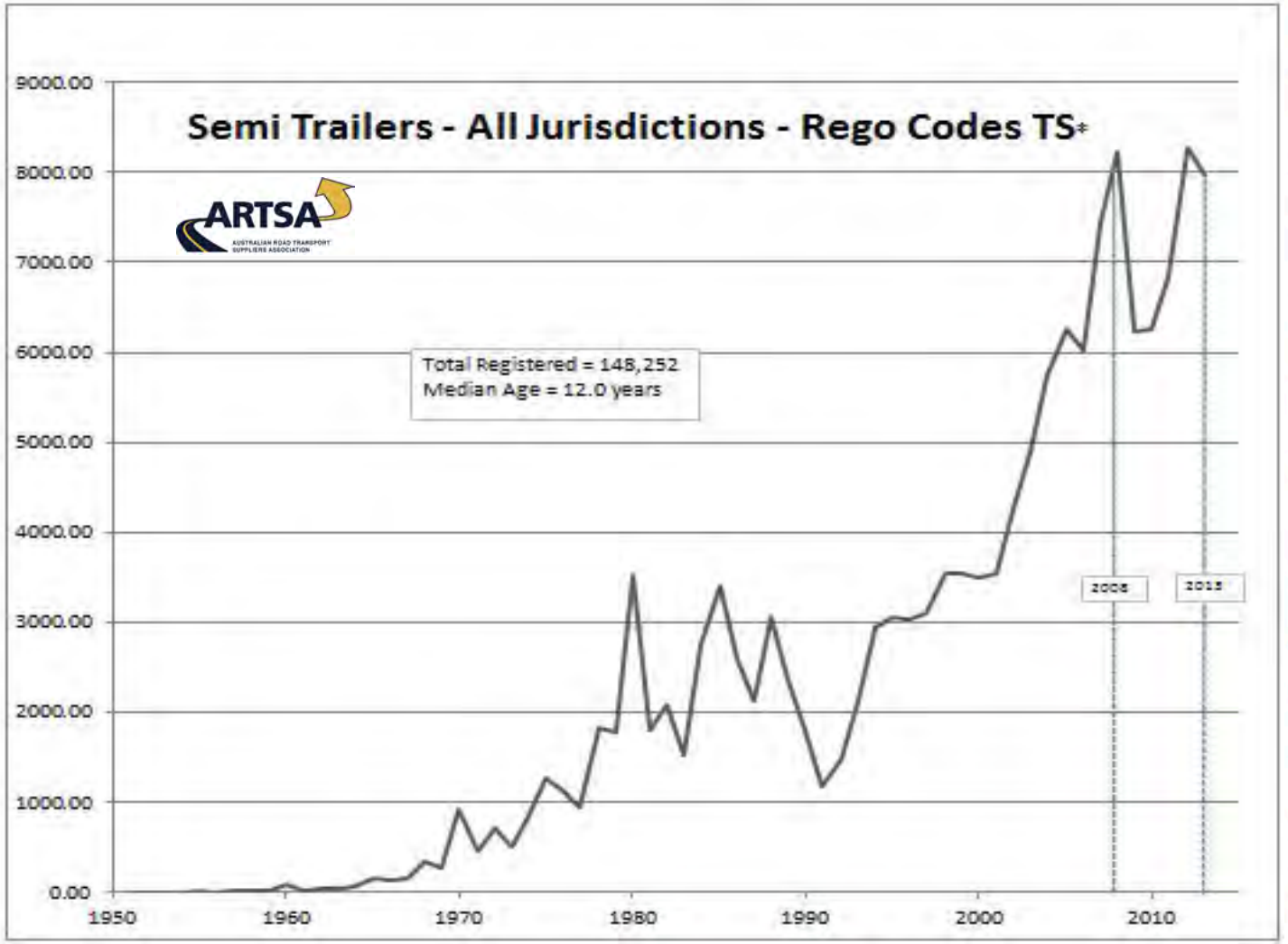

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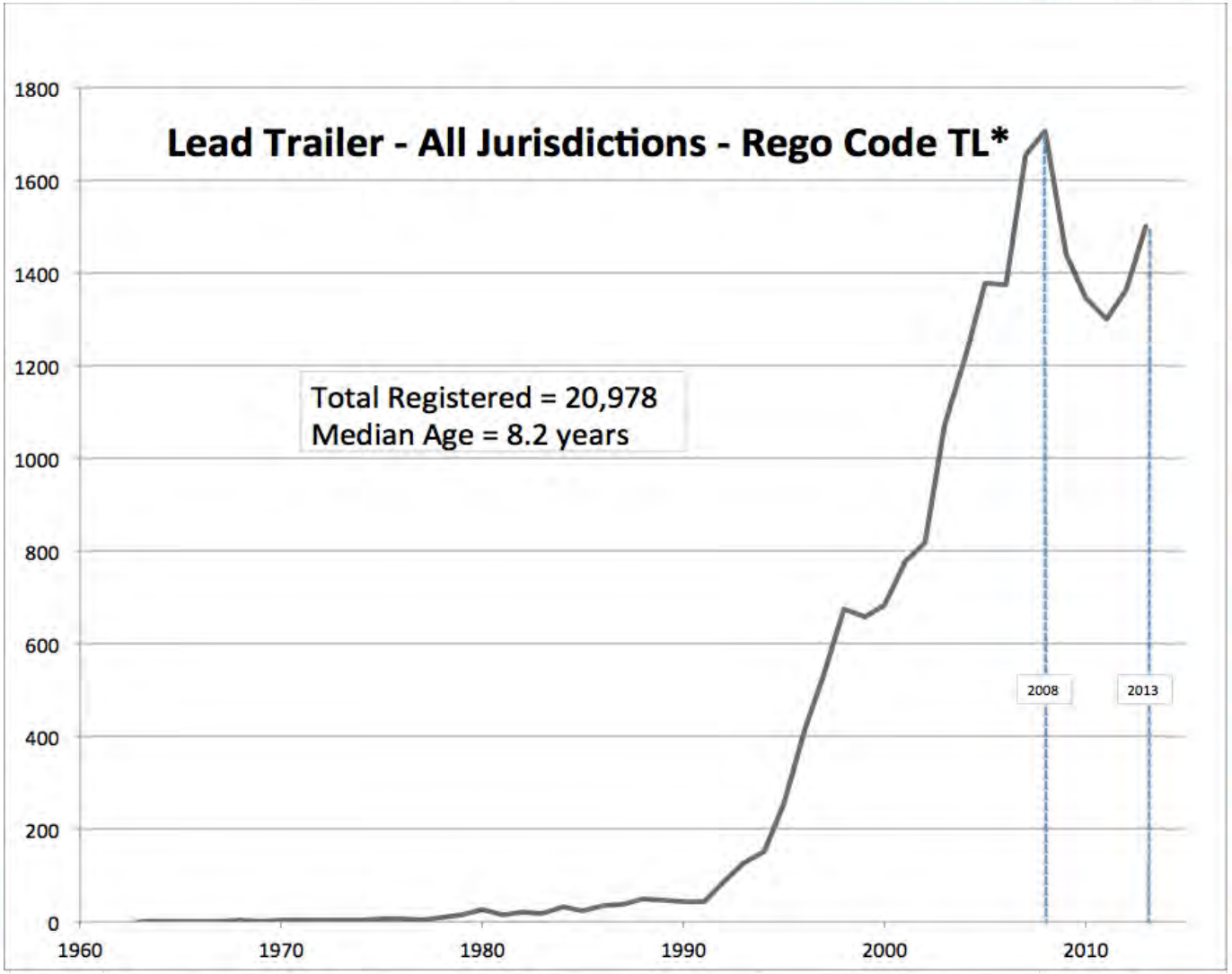

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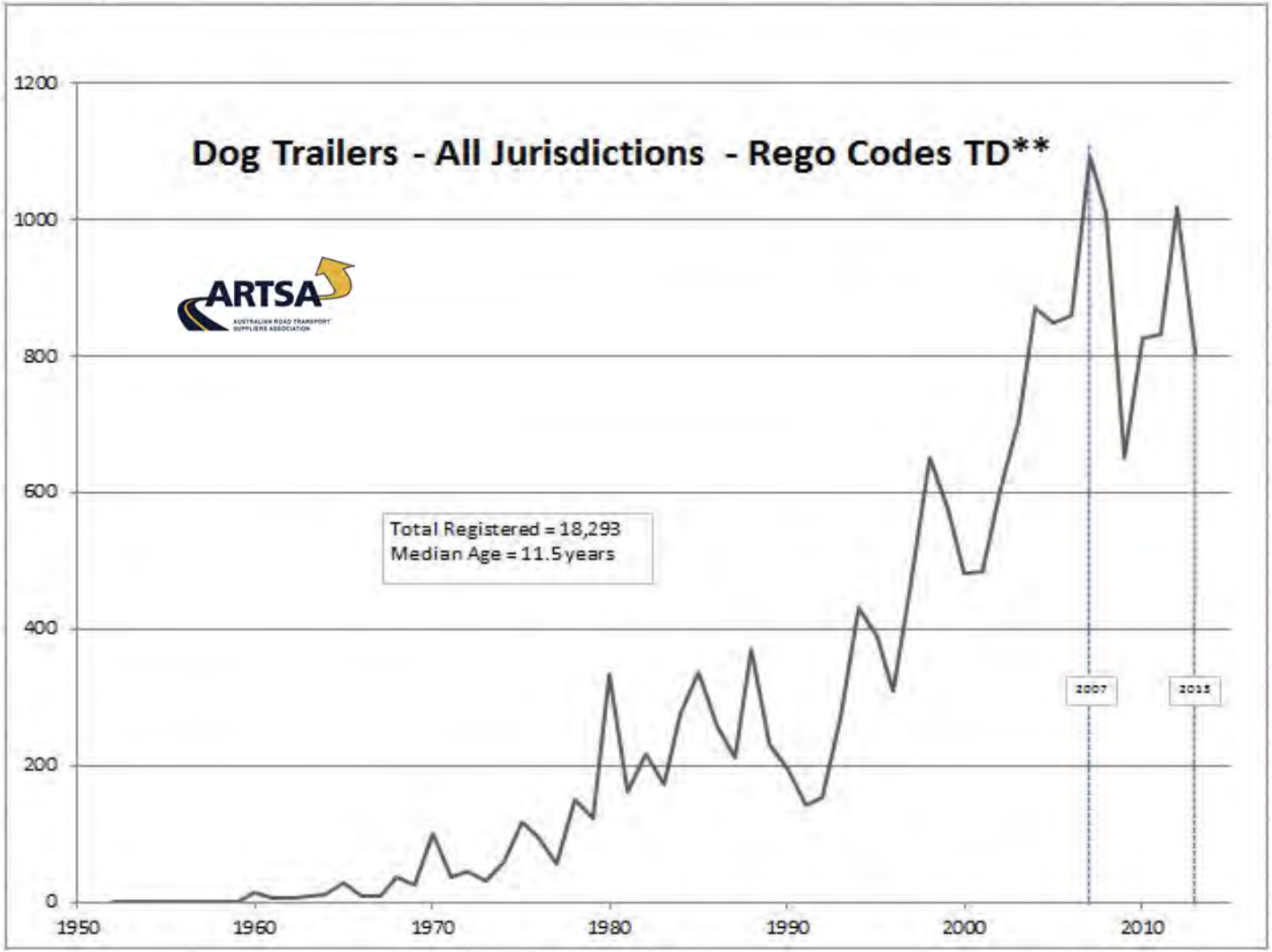

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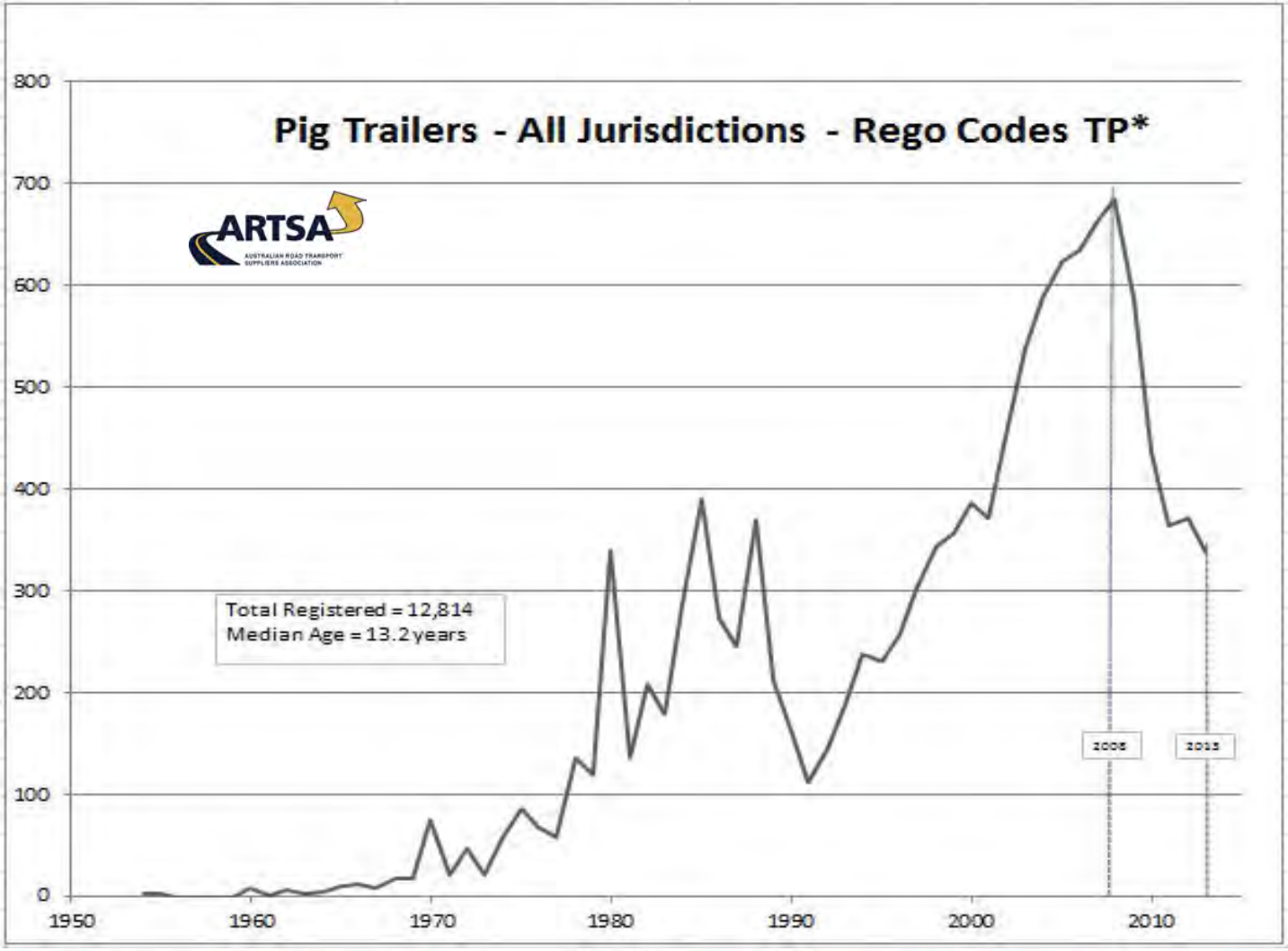

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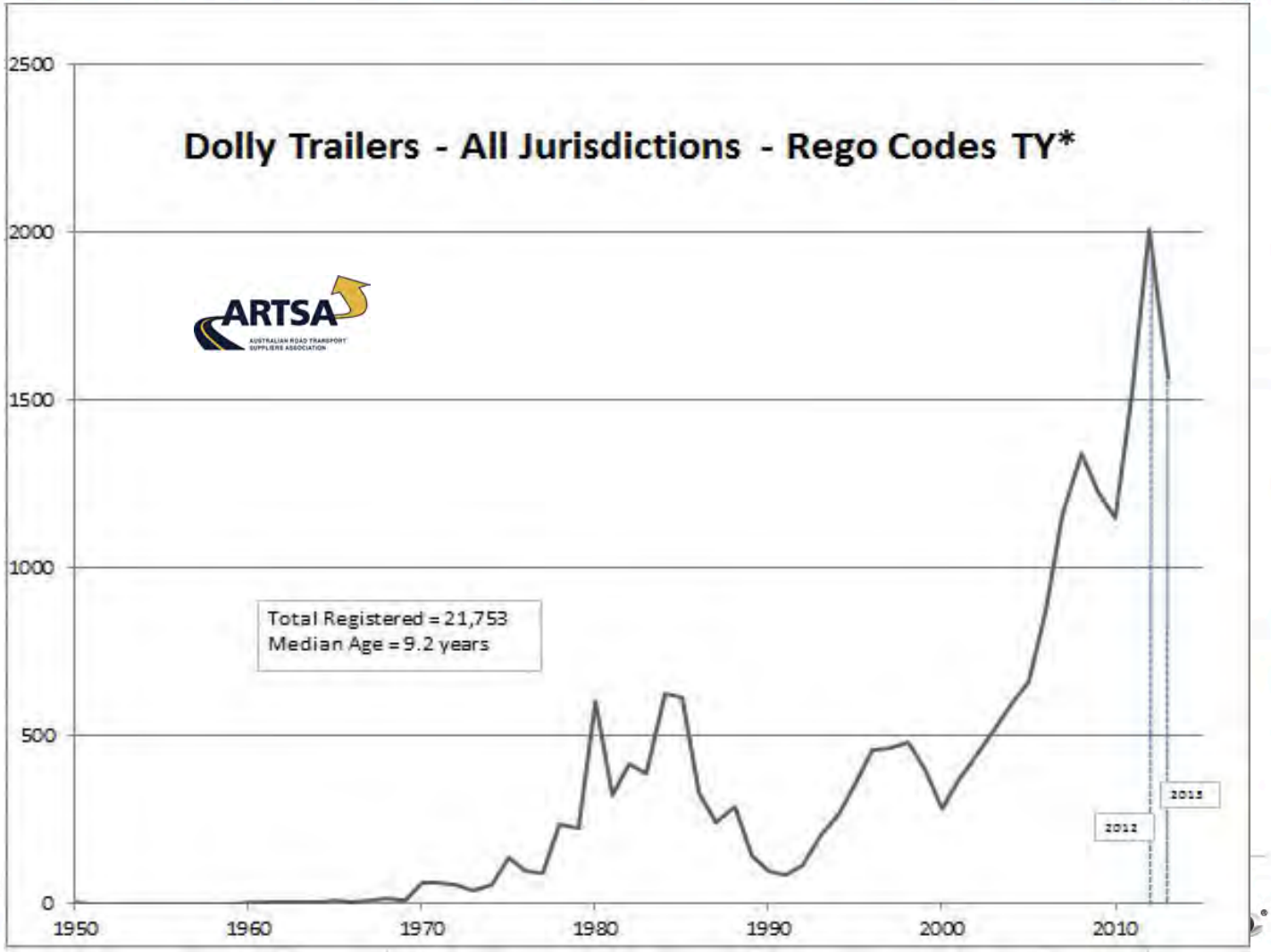

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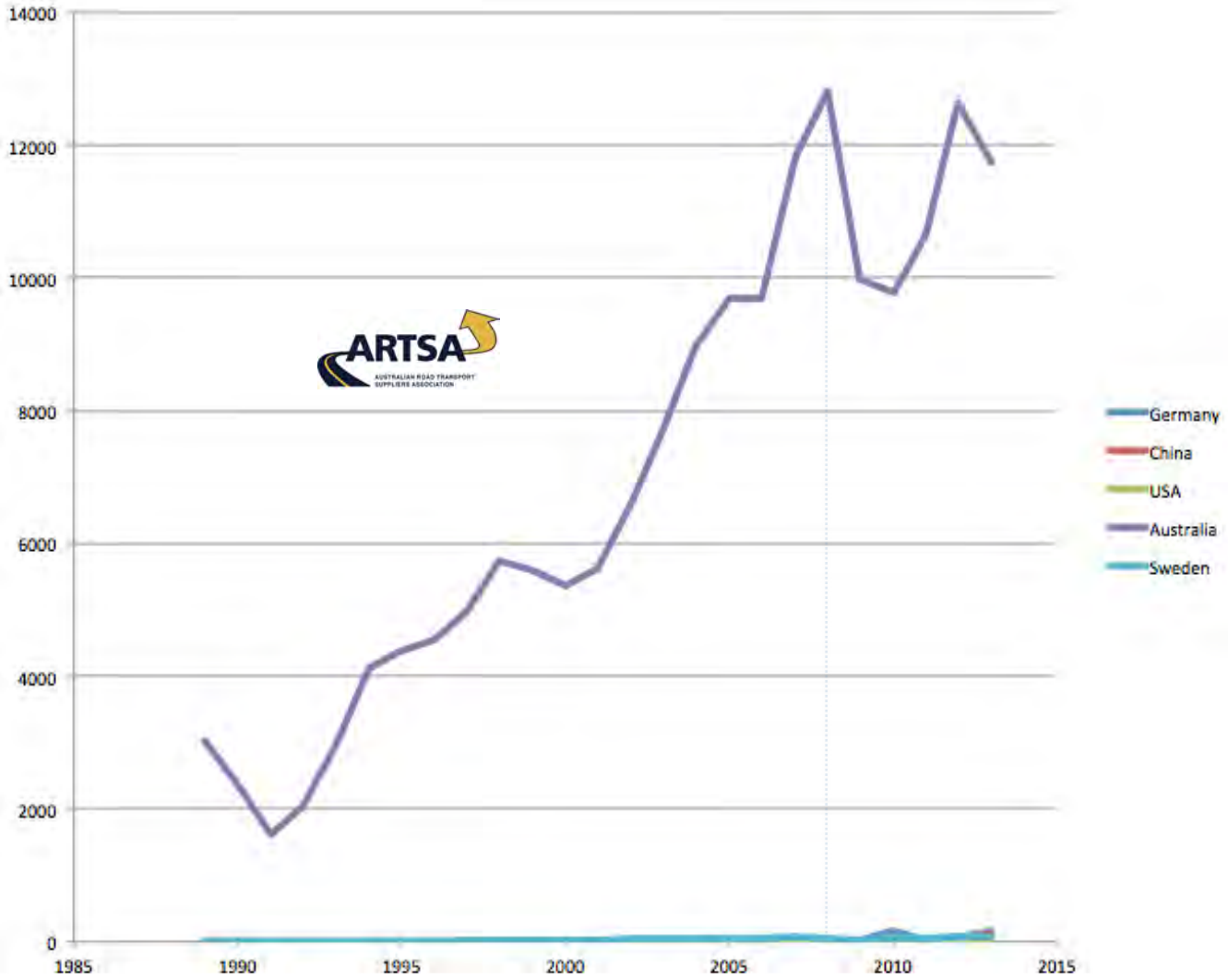
Where Are Trailers Made ?

The Trailer Fleet



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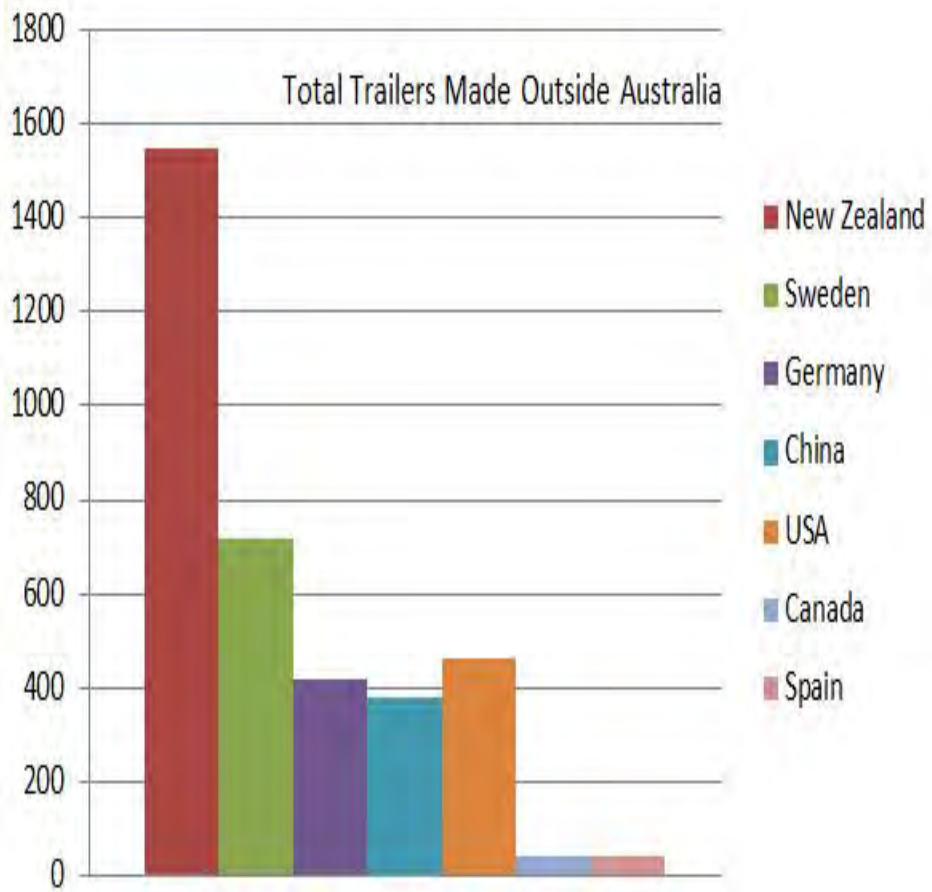
The Trailer Fleet – Australia suppressed



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Size and Age Profile of the Truck Fleet

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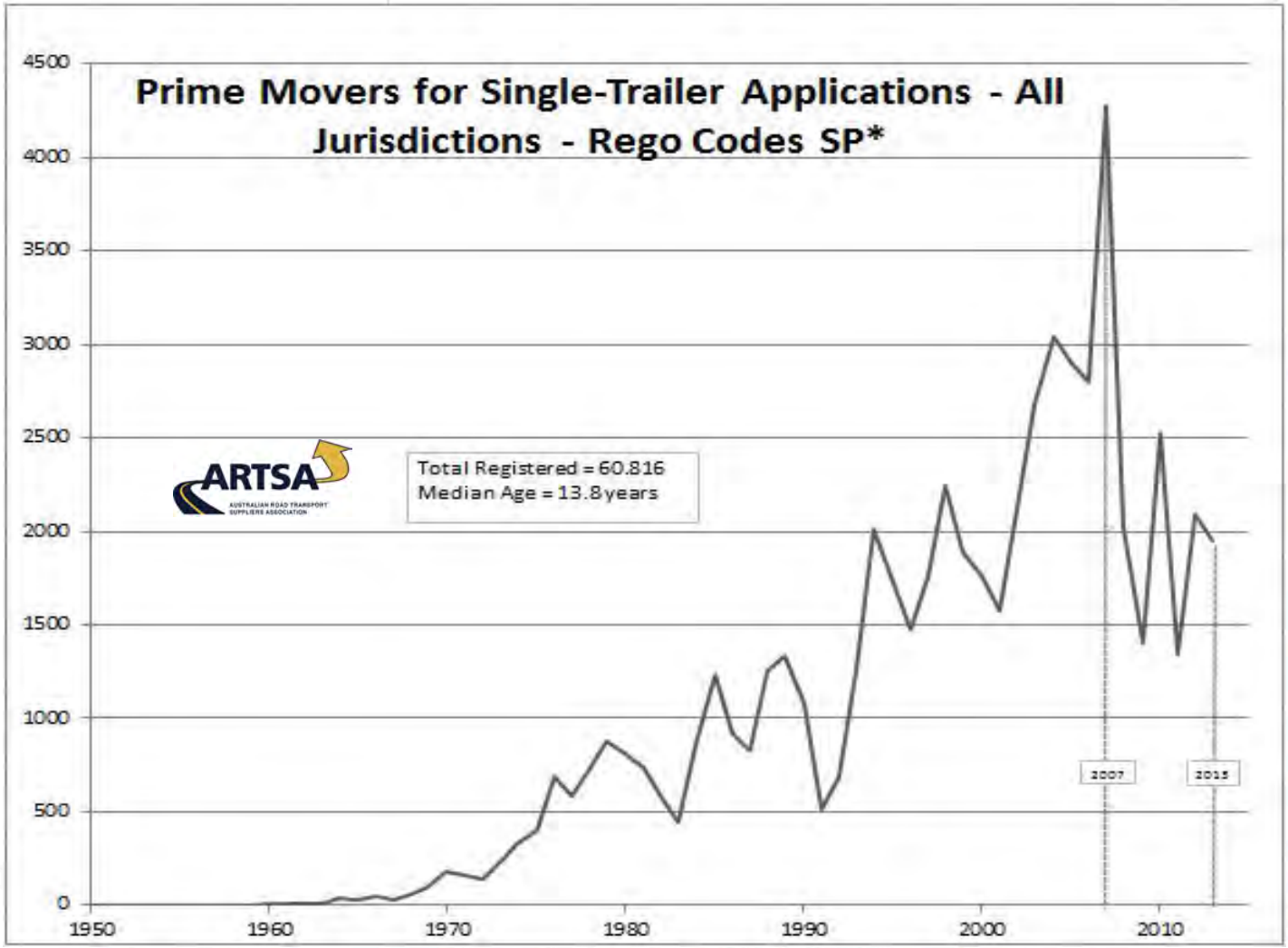

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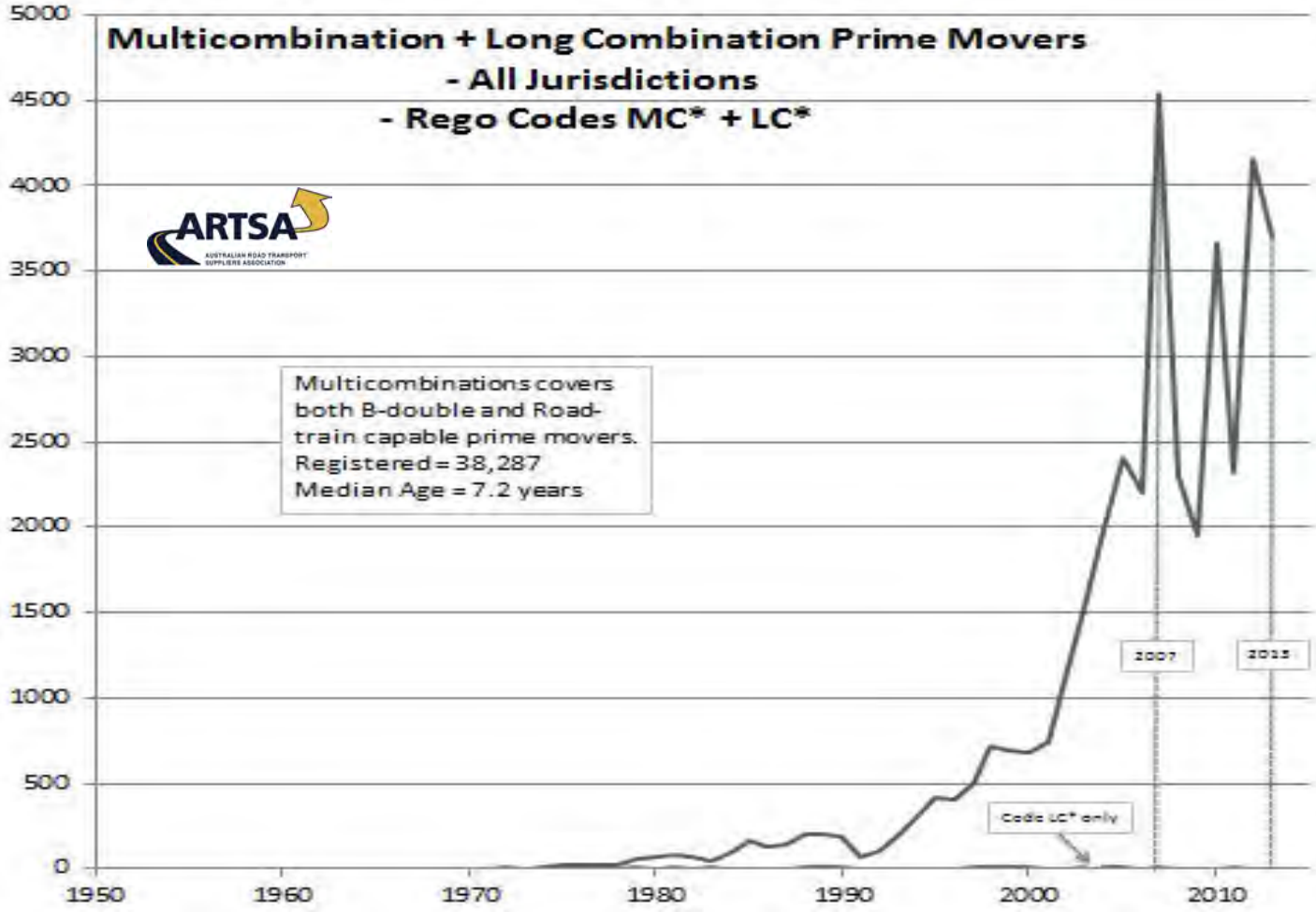

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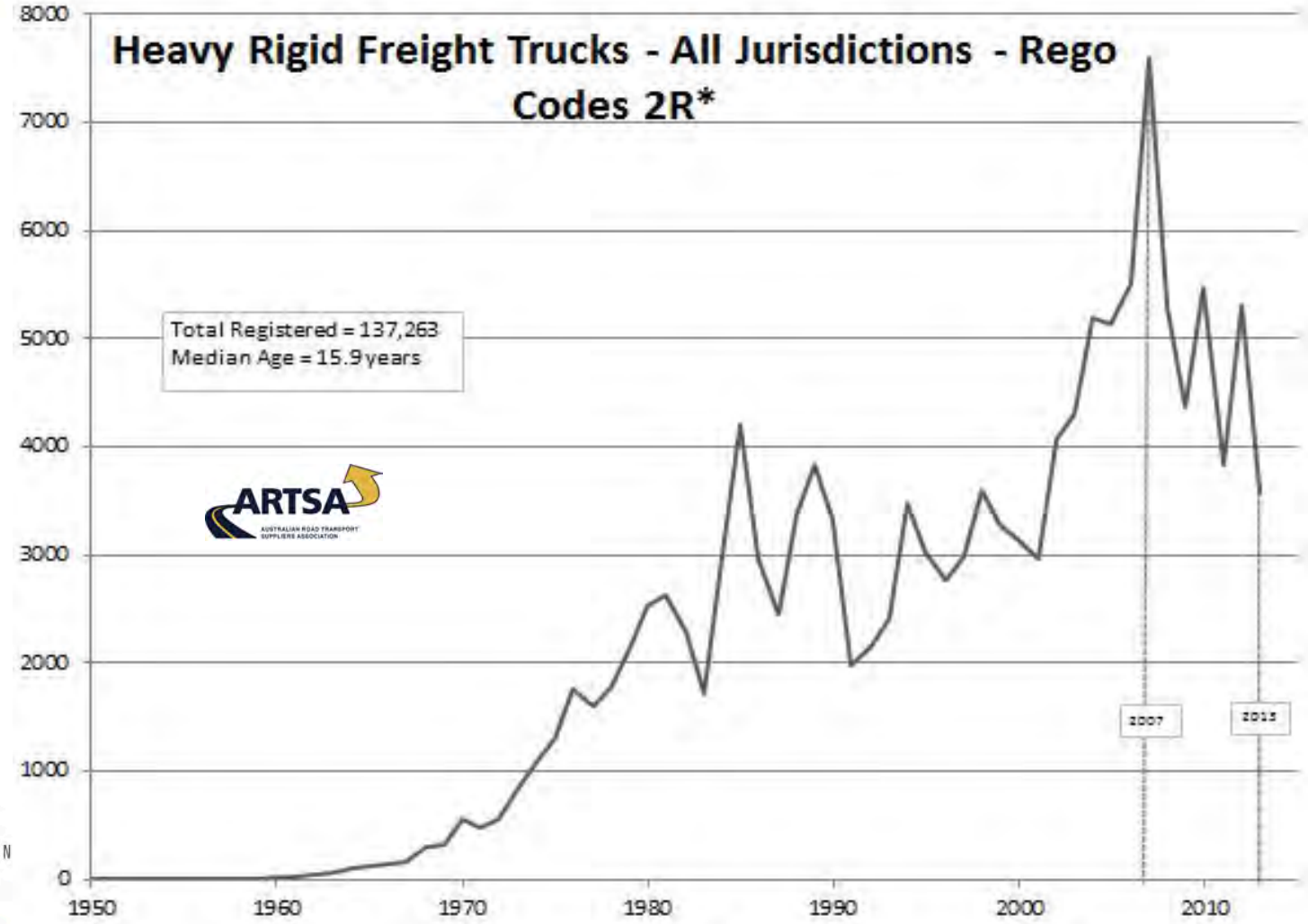
Heavy Rigid Freight Trucks - All Jurisdictions - Rego Codes 2R*
Total Registered = 137,263
Median Age = 15.9 years
ARTSA
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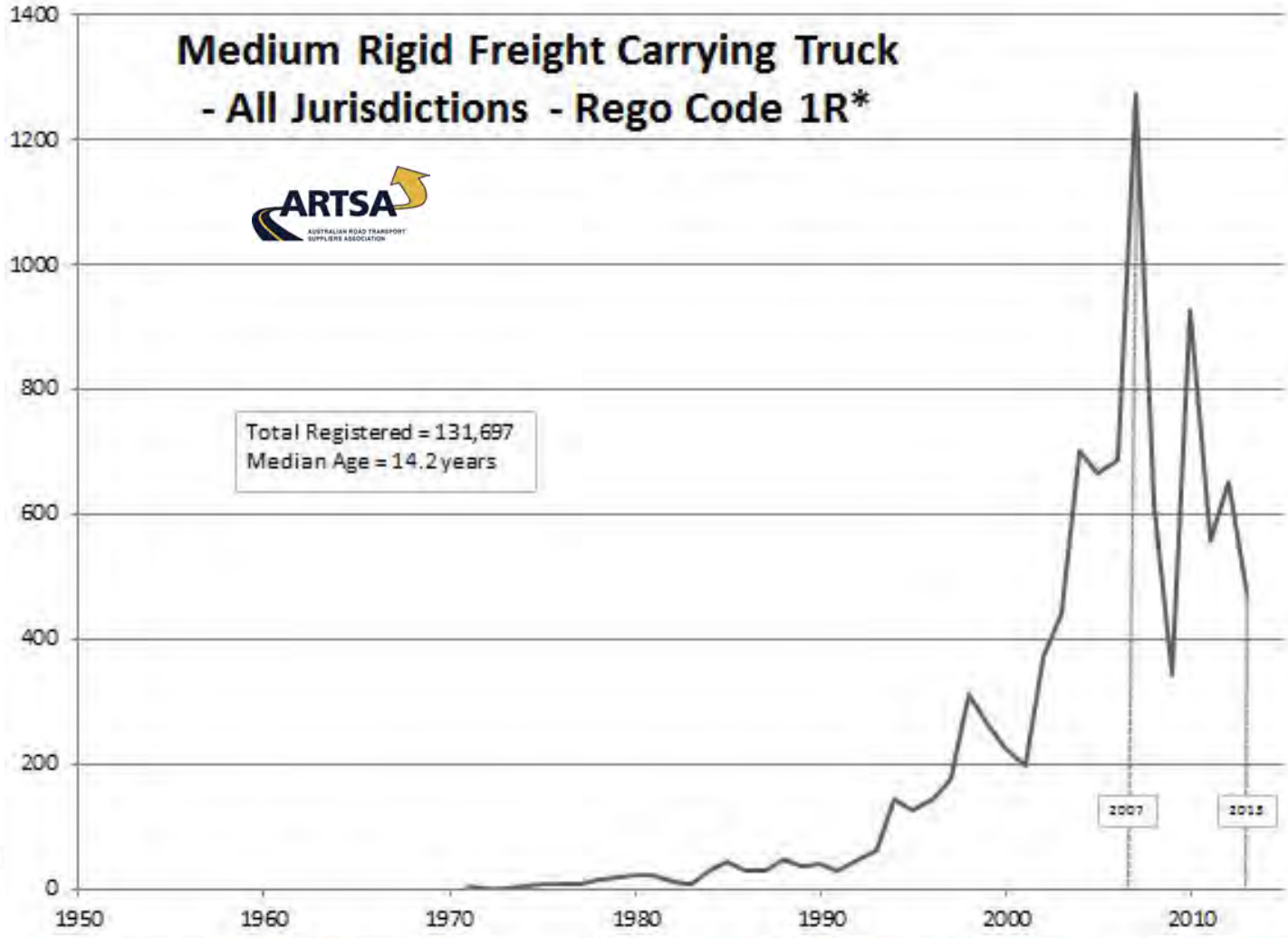
2007
2013
8000
7000
6000
5000
4000
3000
2000
1000
0
1950
1960
1970
1980
1990
2000
2010


Medium Rigid Freight Carrying Truck
- All Jurisdictions - Rego Code 1R*
ARTSA
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Total Registered = 131,697
Median Age = 14.2 years
1400
1200
1000
800
600
400
200
0
1950
1960
1970
1980
1990
2000
2010
2007
2013

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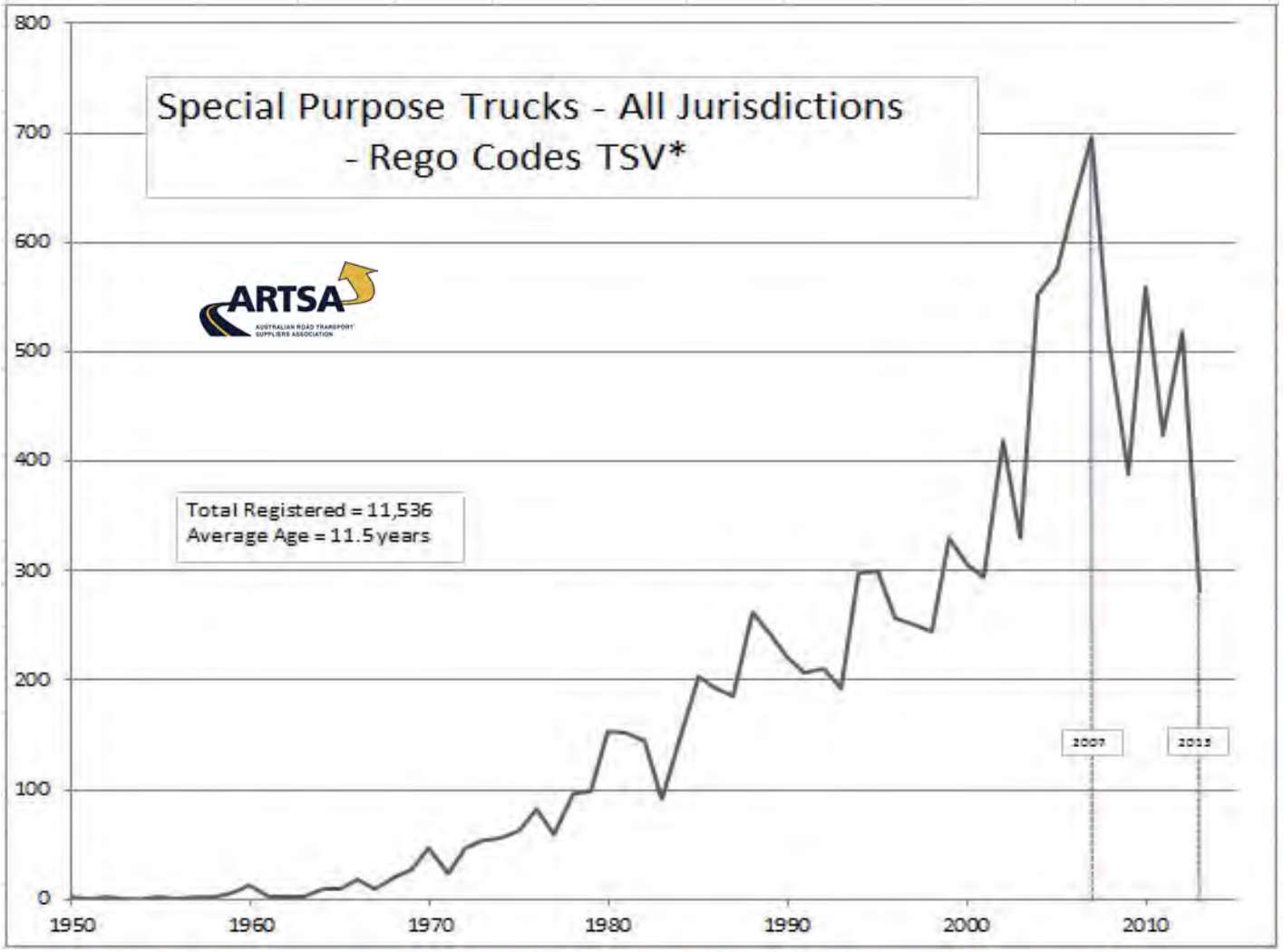

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Where was the Truck Fleet Manufactured ?

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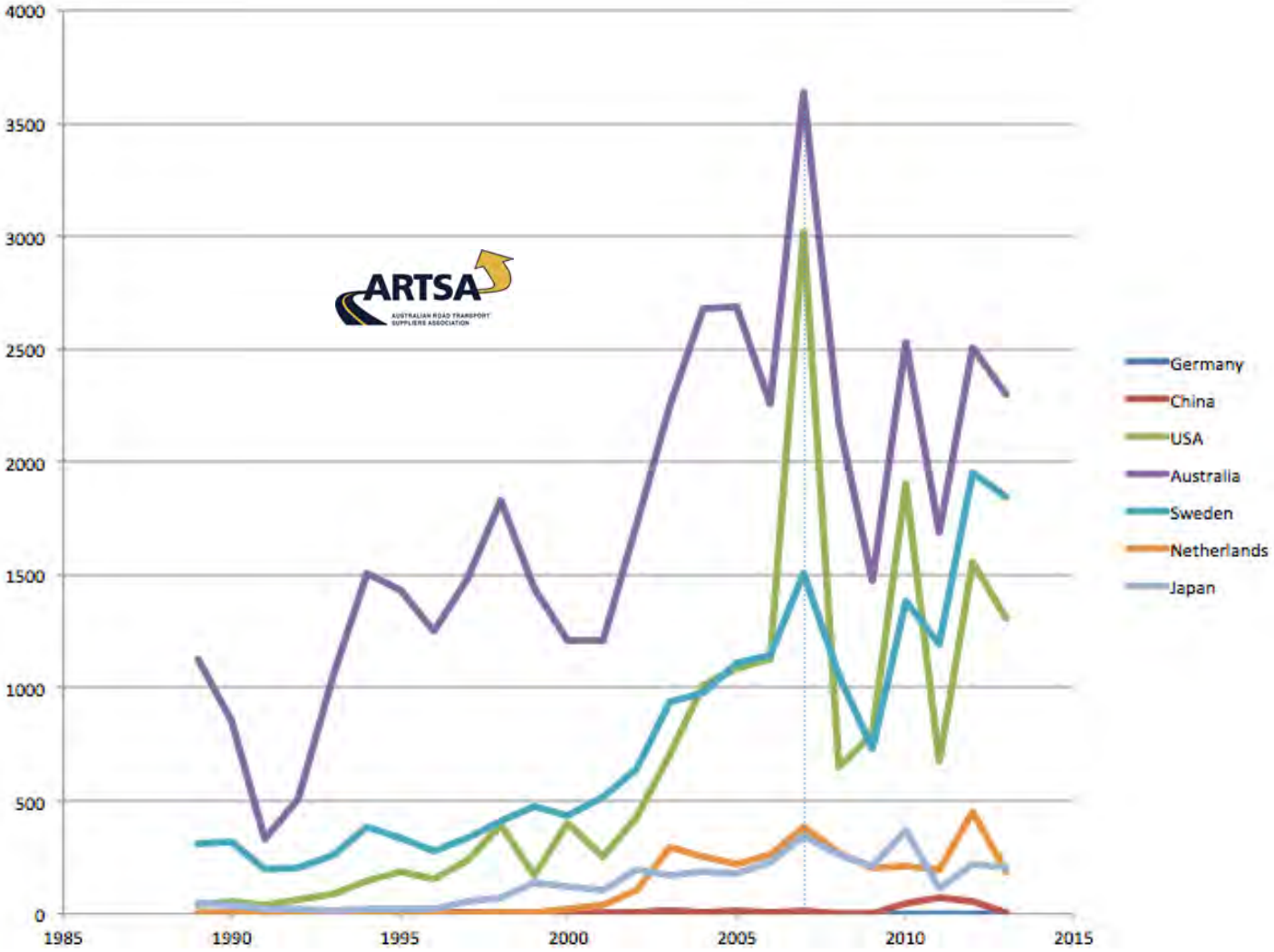
The Total Truck Fleet by Origin



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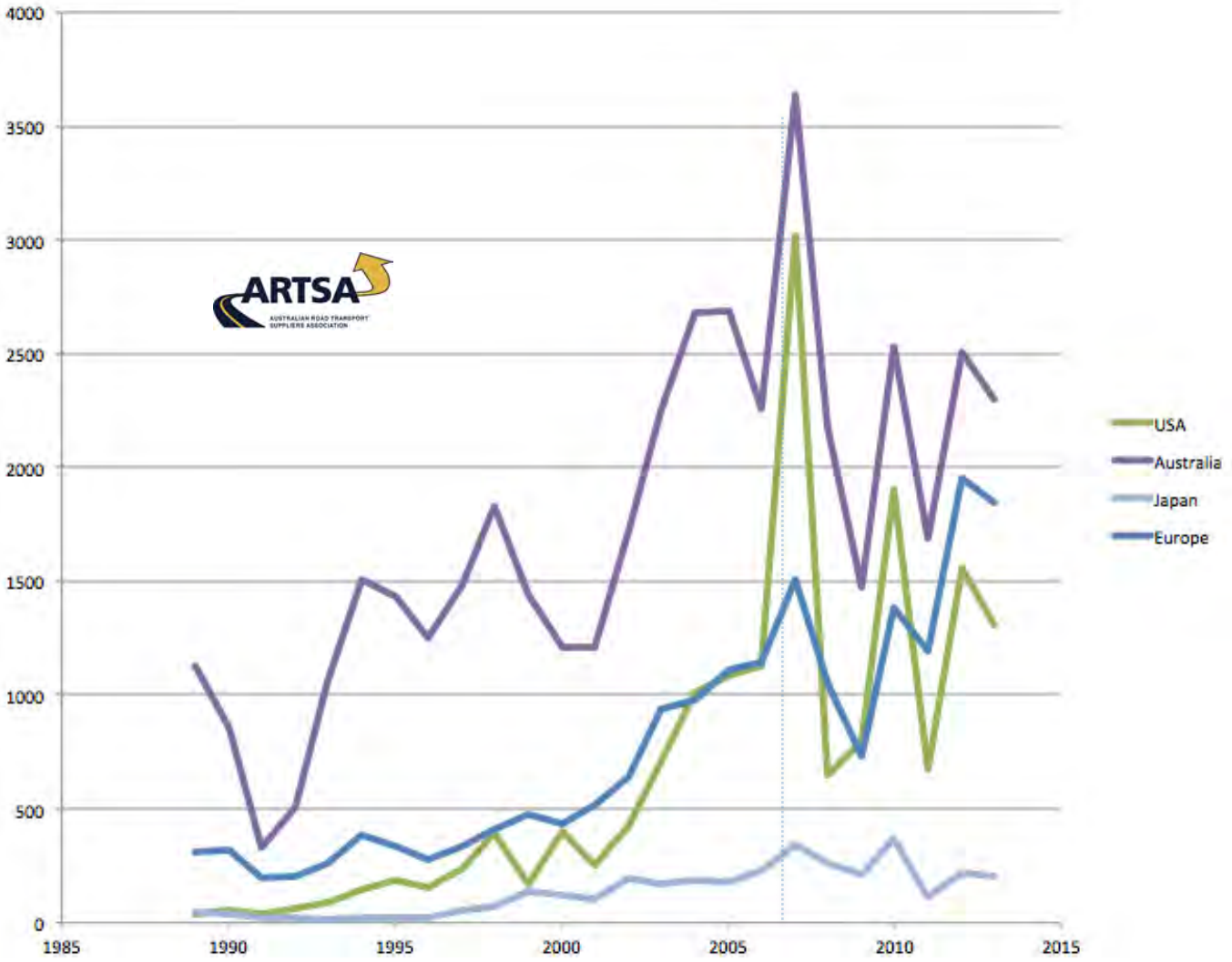
Prime Mover Fleet by Origin



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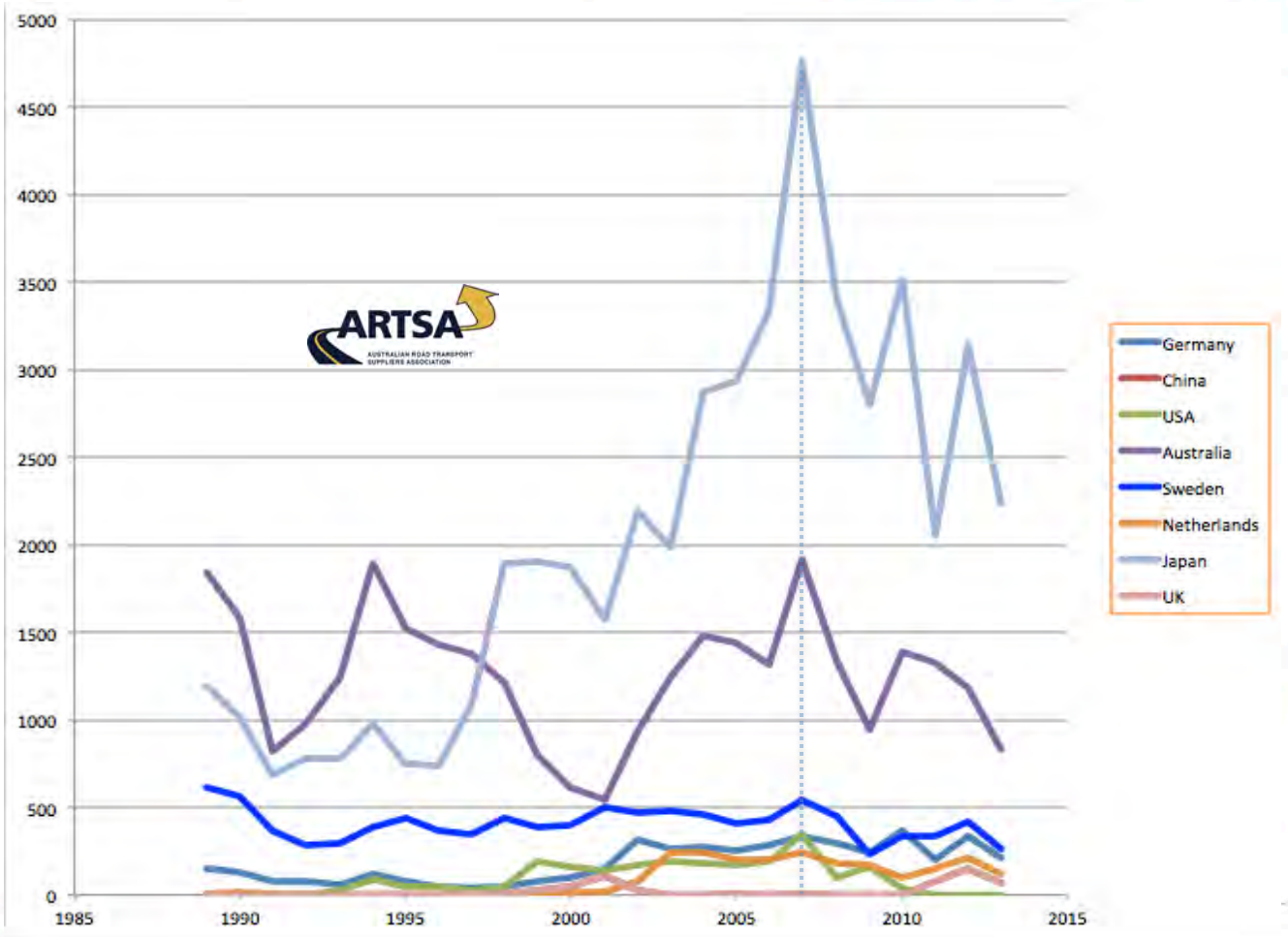
Rigid Heavy Freight Truck Fleet by Origin



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Vehicle Types
by
State of Registration

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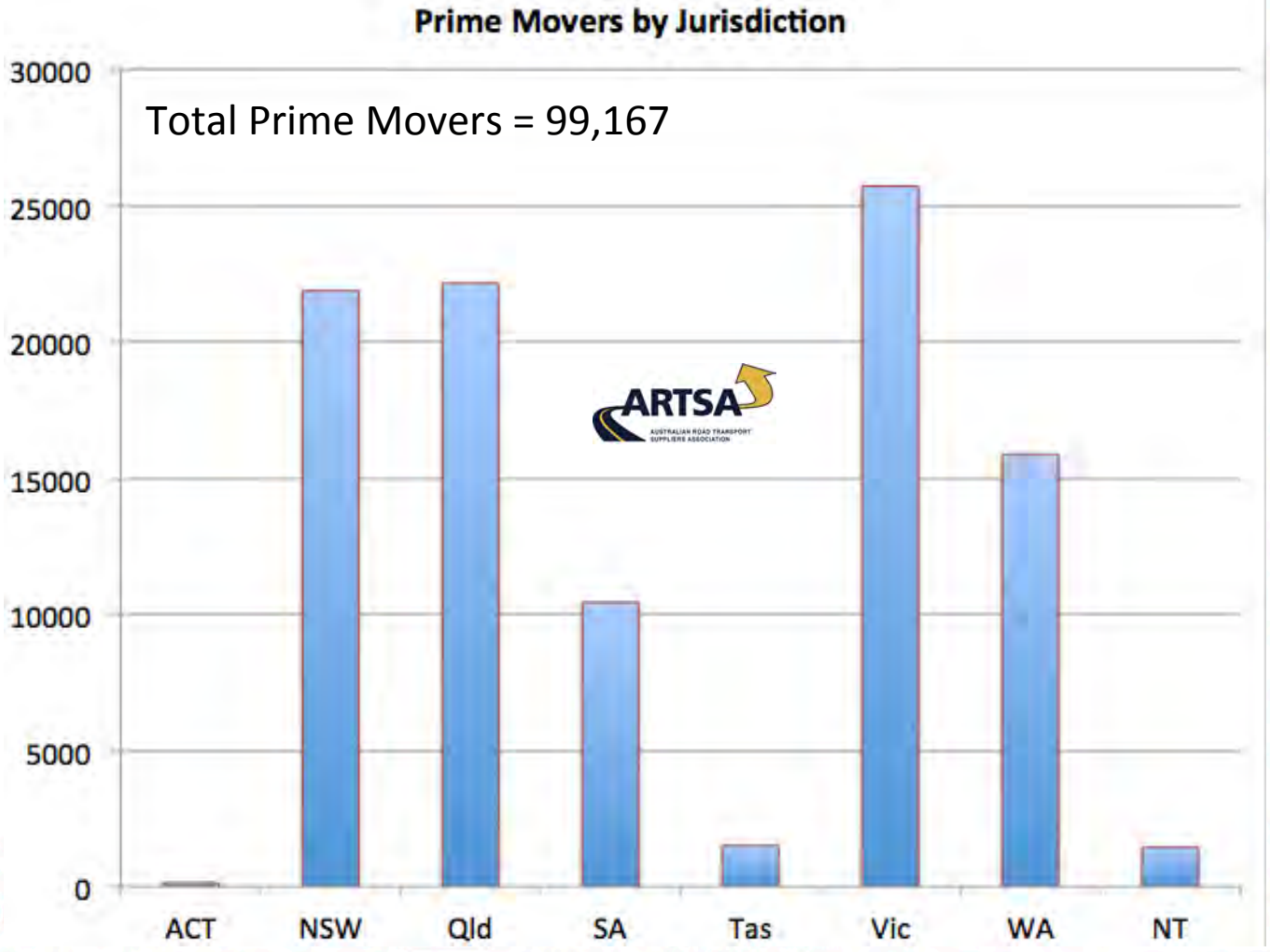
Prime Movers by State



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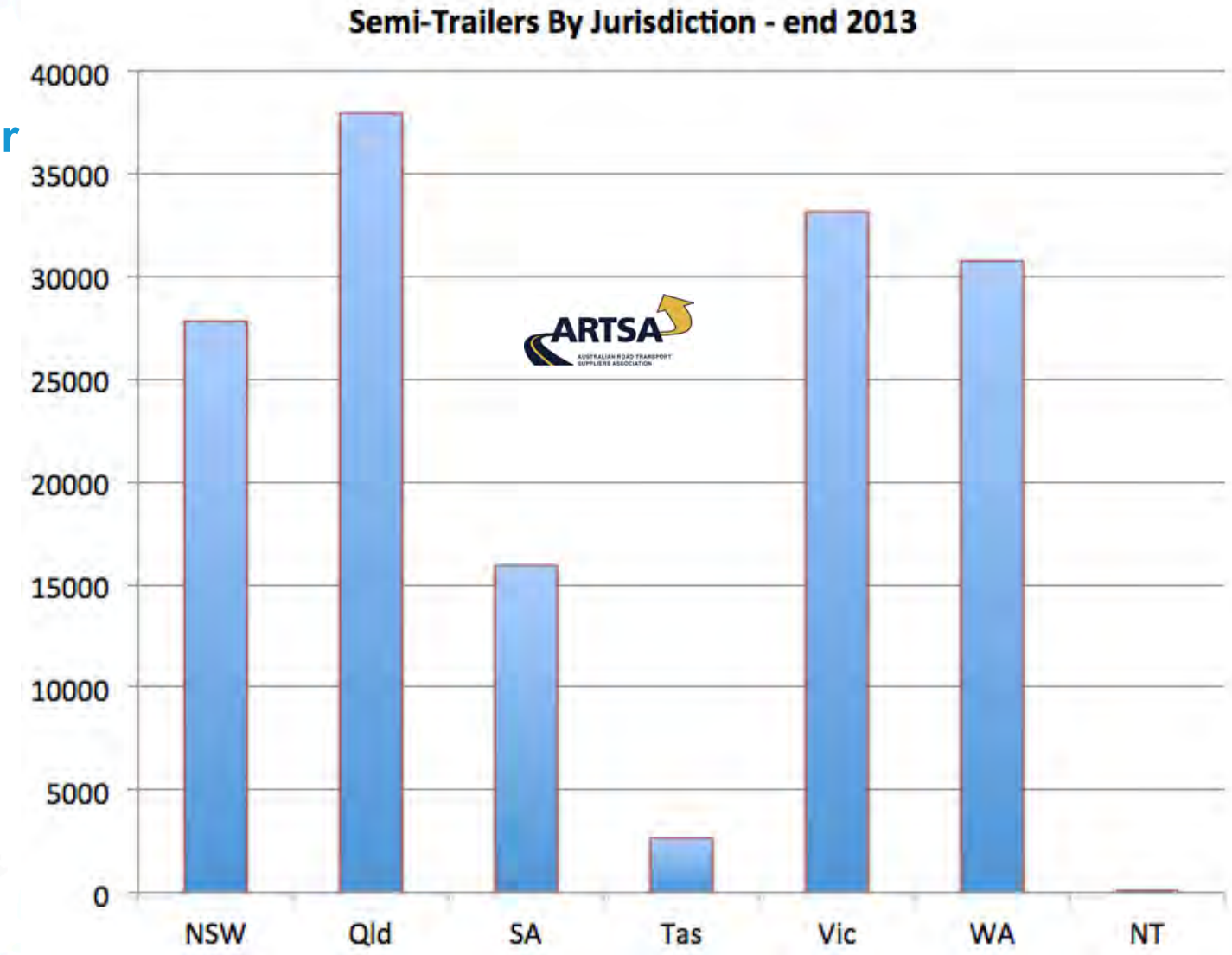
Federally Registered Vehicles - Victoria

Proportion of prime-movers in Victoria that are Federally registered = 1.2 %

Proportion of semi-trailers in Victoria that are Federally registered = 2.5 %

Total Semi-Trailer by State



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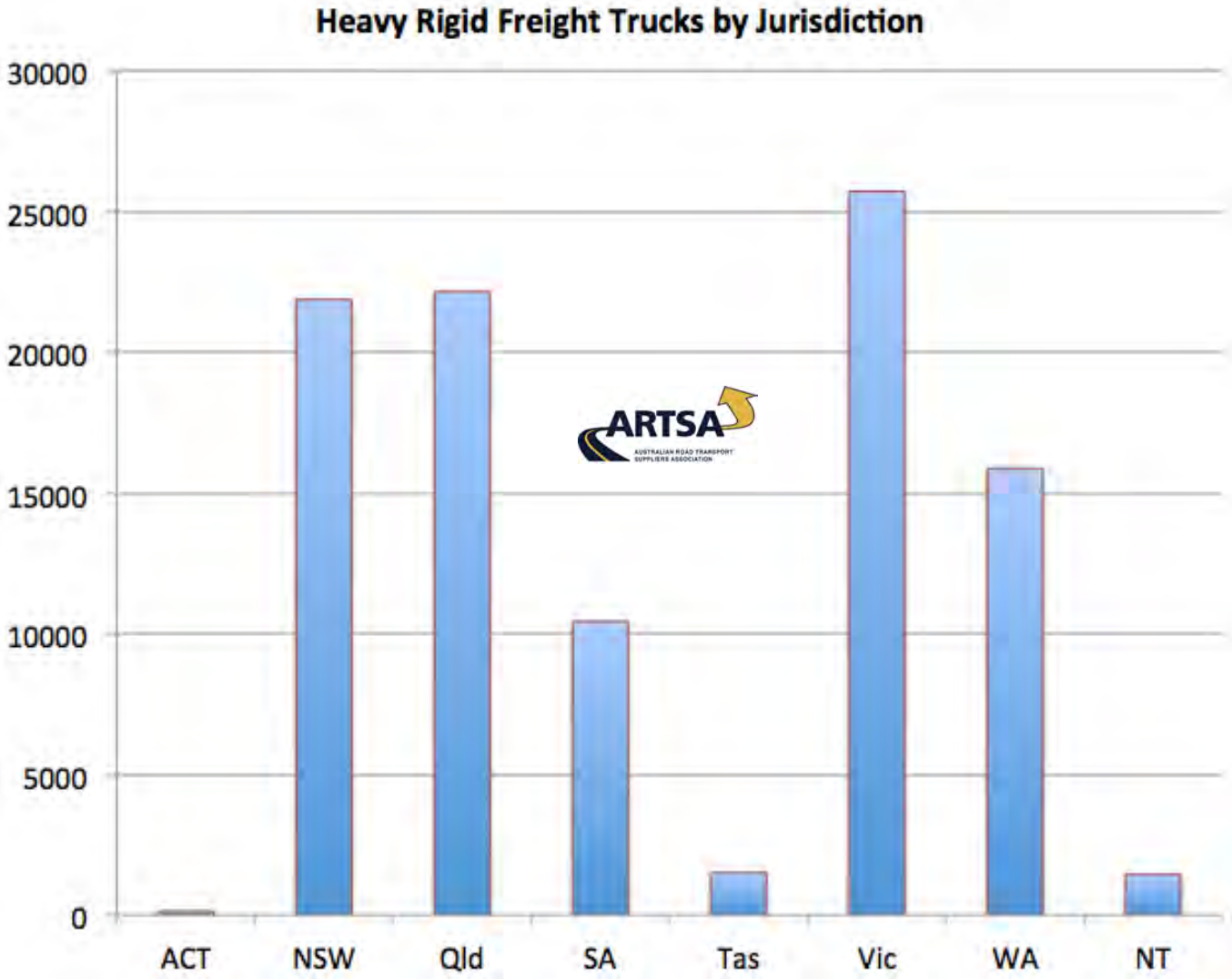
Heavy Rigid Freight Truck by State



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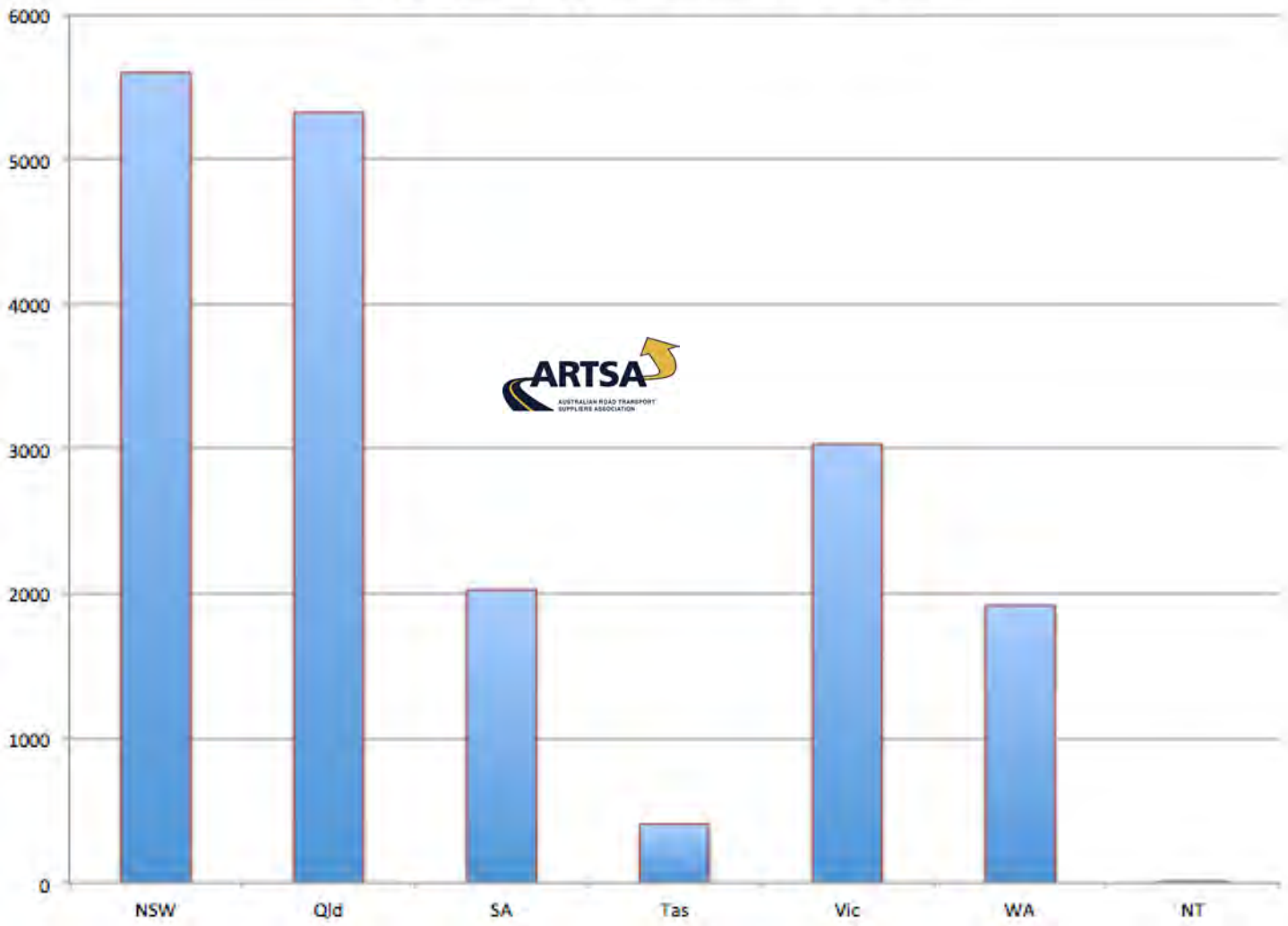
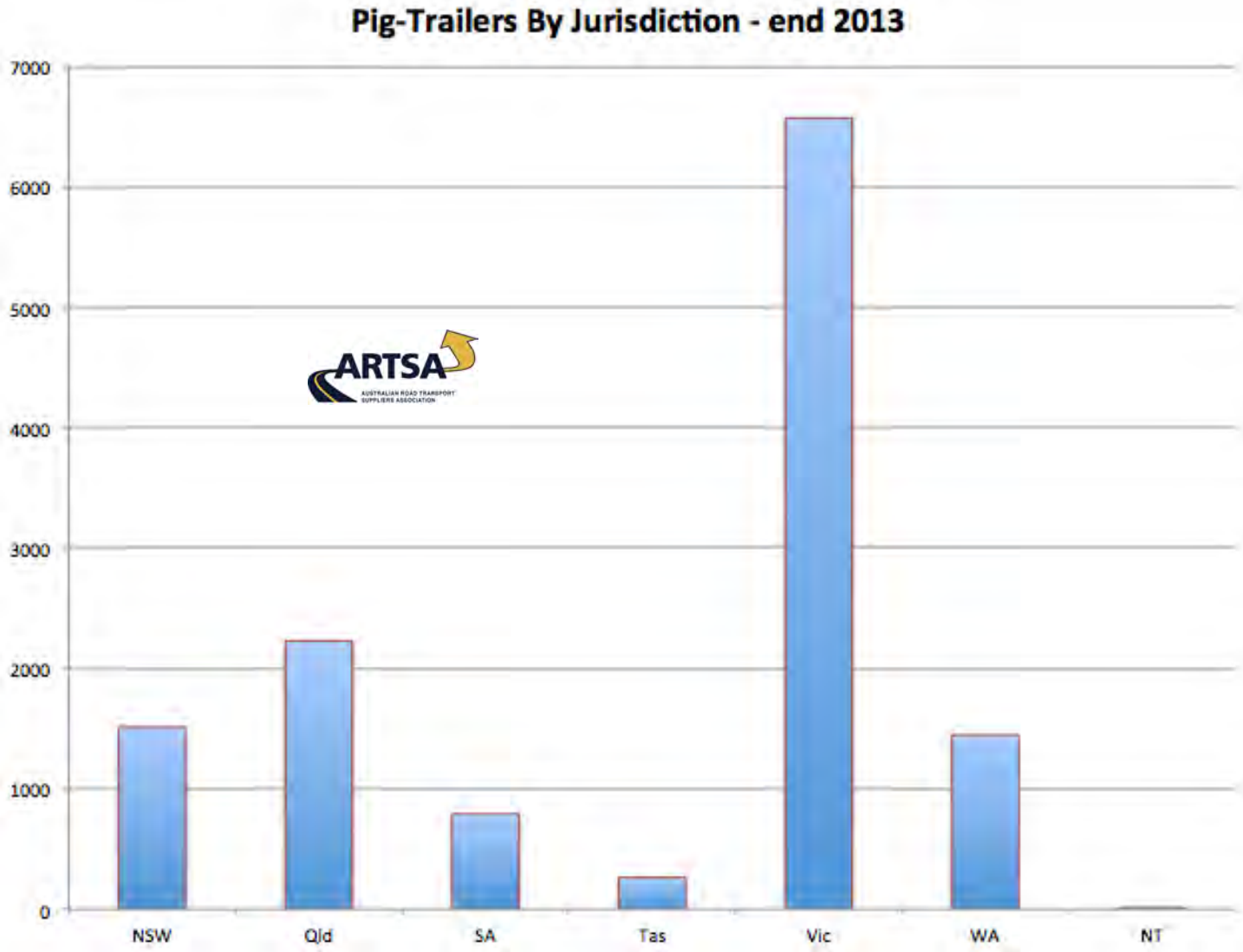
DogTrailer by State



Pig-Trailer by State



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Age Profile by State of Registration

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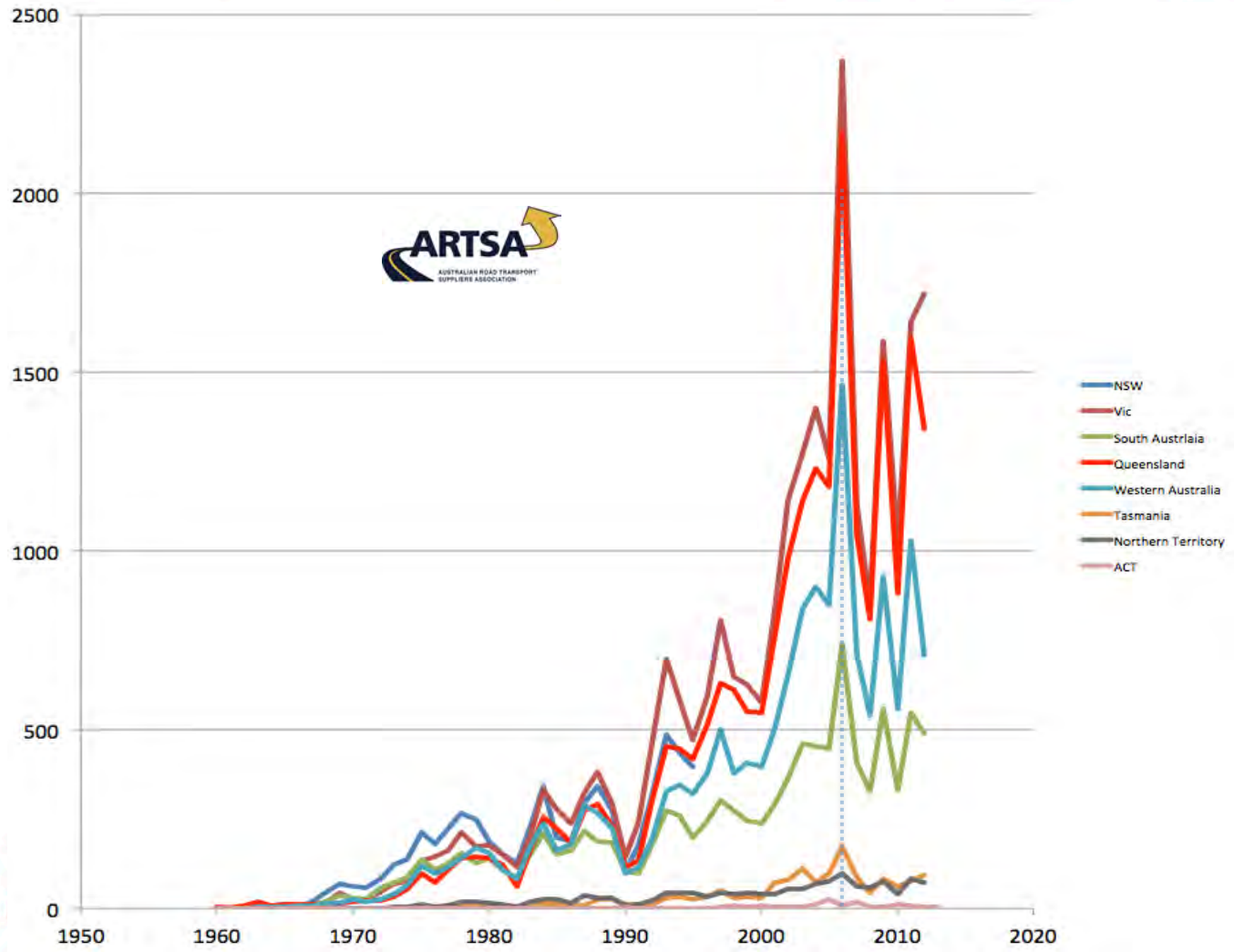
Prime Movers by State and Age



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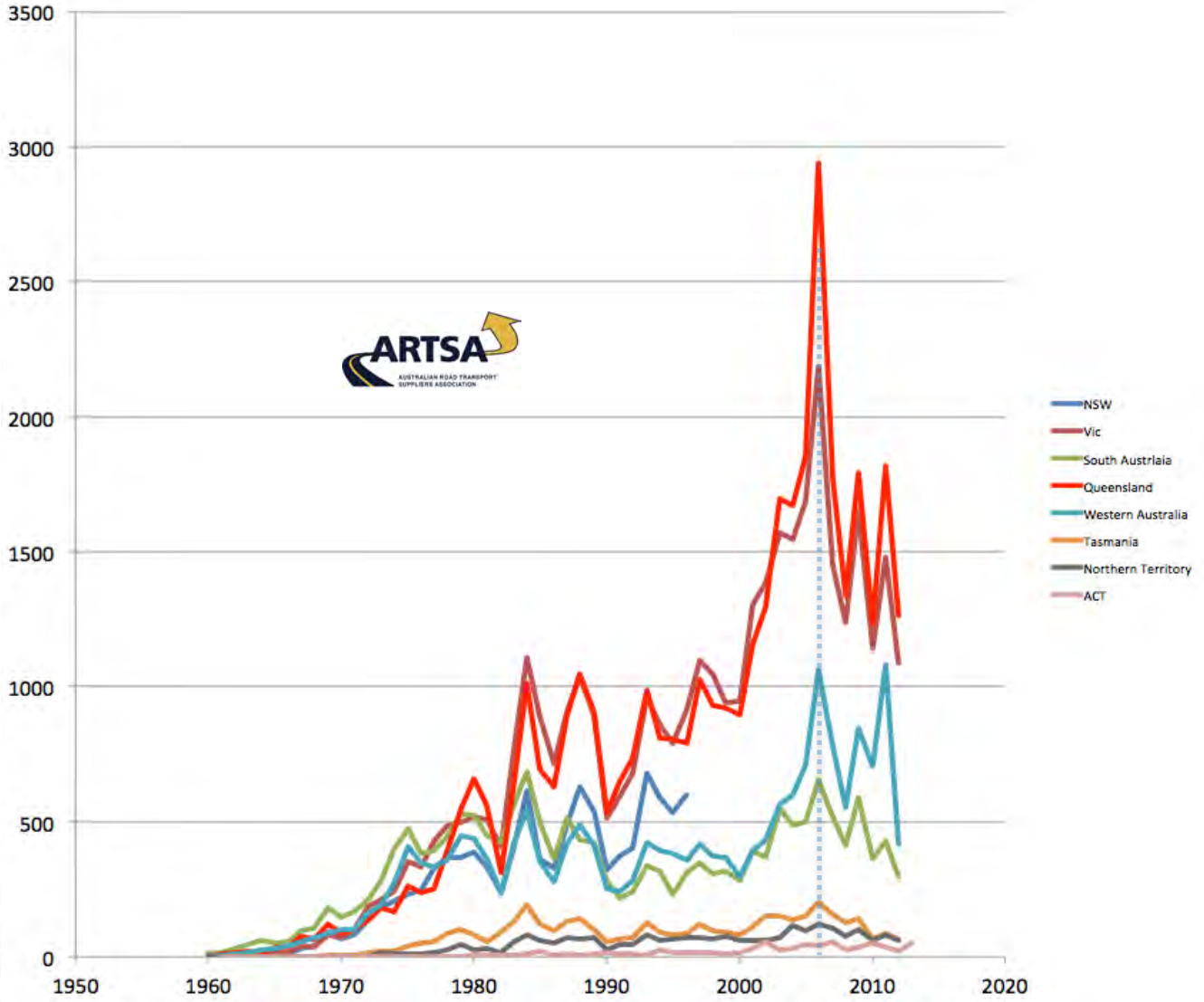
Heavy Rigid Freight Truck by State and Age



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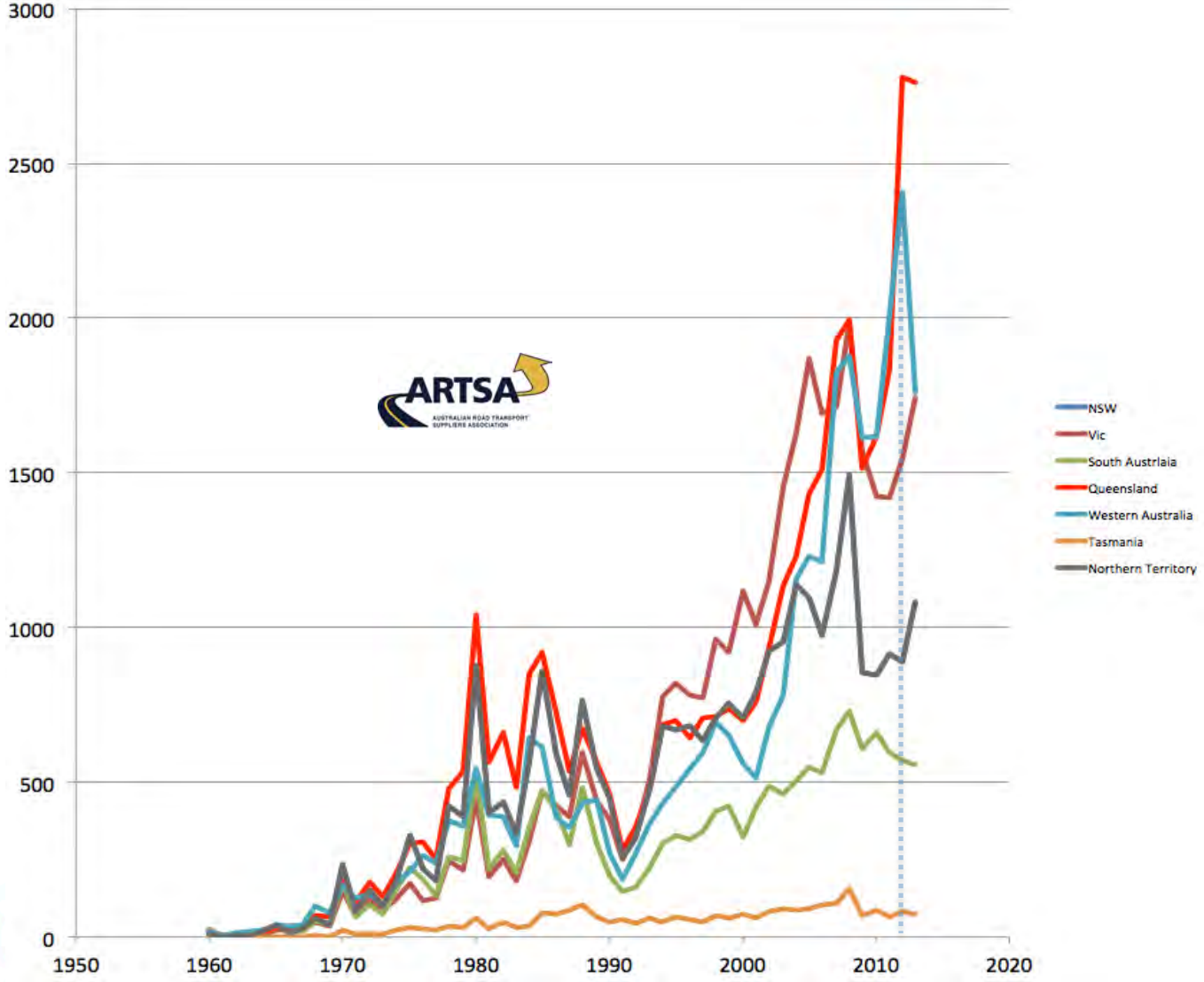
Semi Trailer by State and Age



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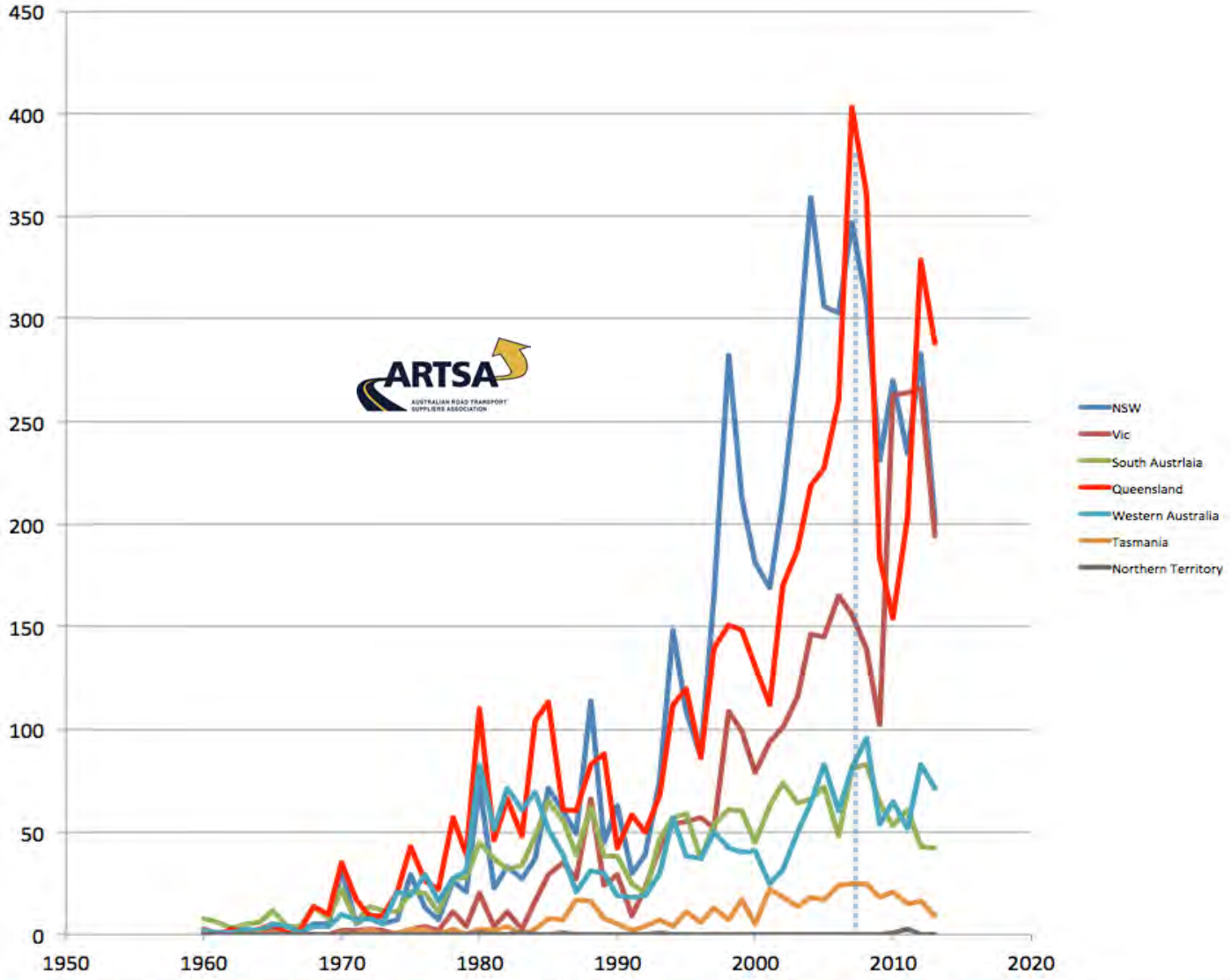
Dog Trailer by State and Age



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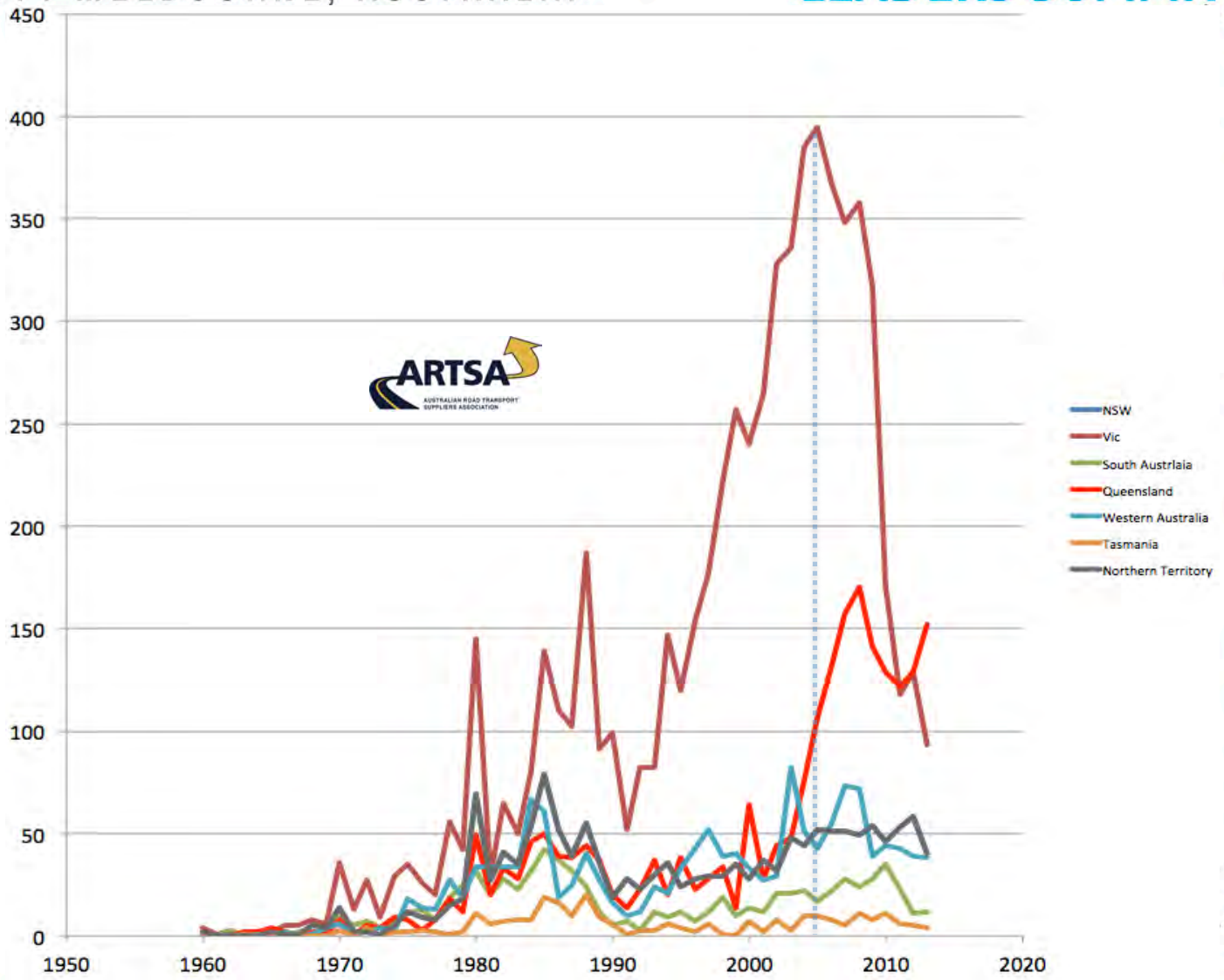
Pig Trailer by State and Age



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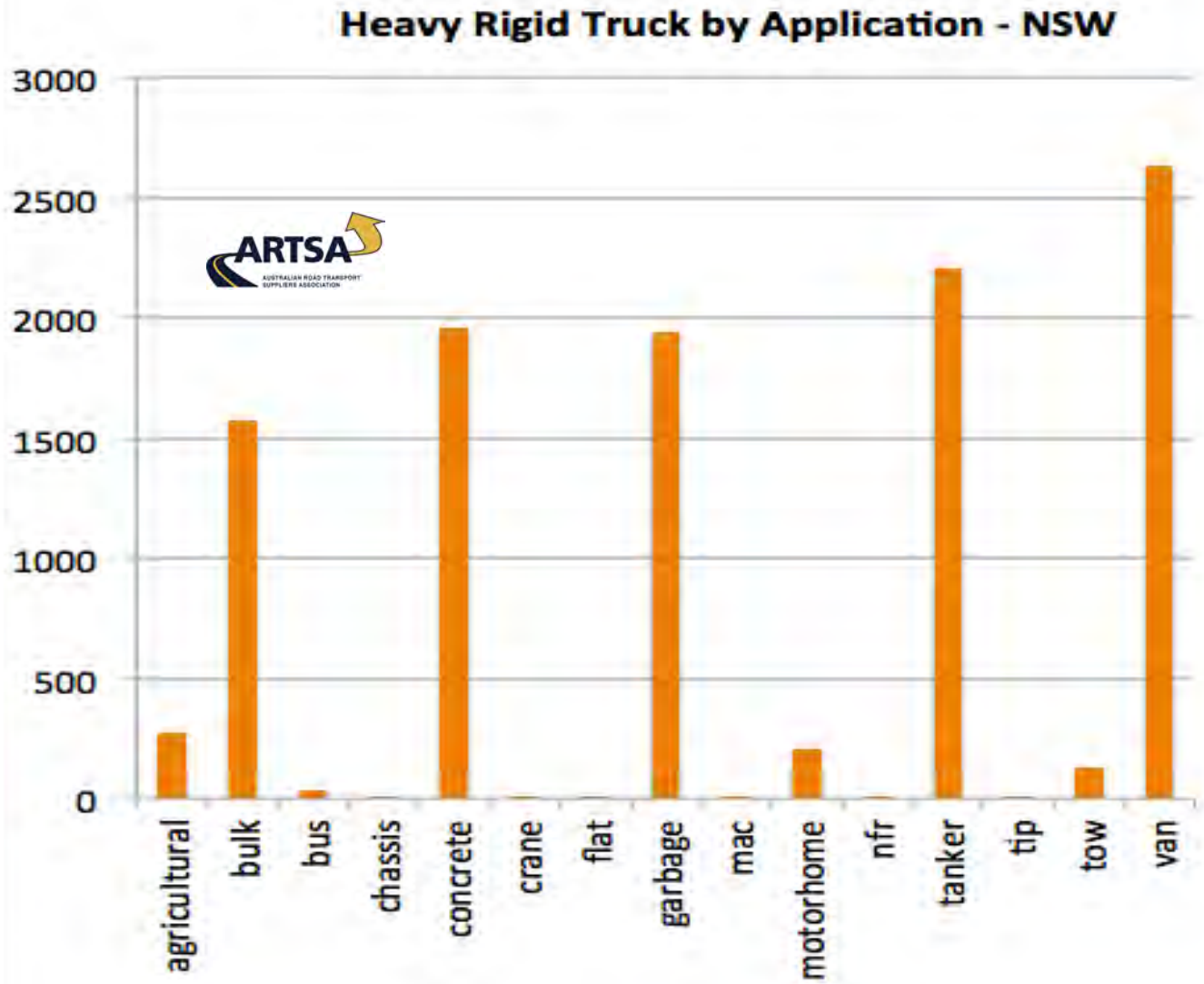
Applications of Vehicles in NSW

Heavy Rigid Freight Truck by Application - NSW only



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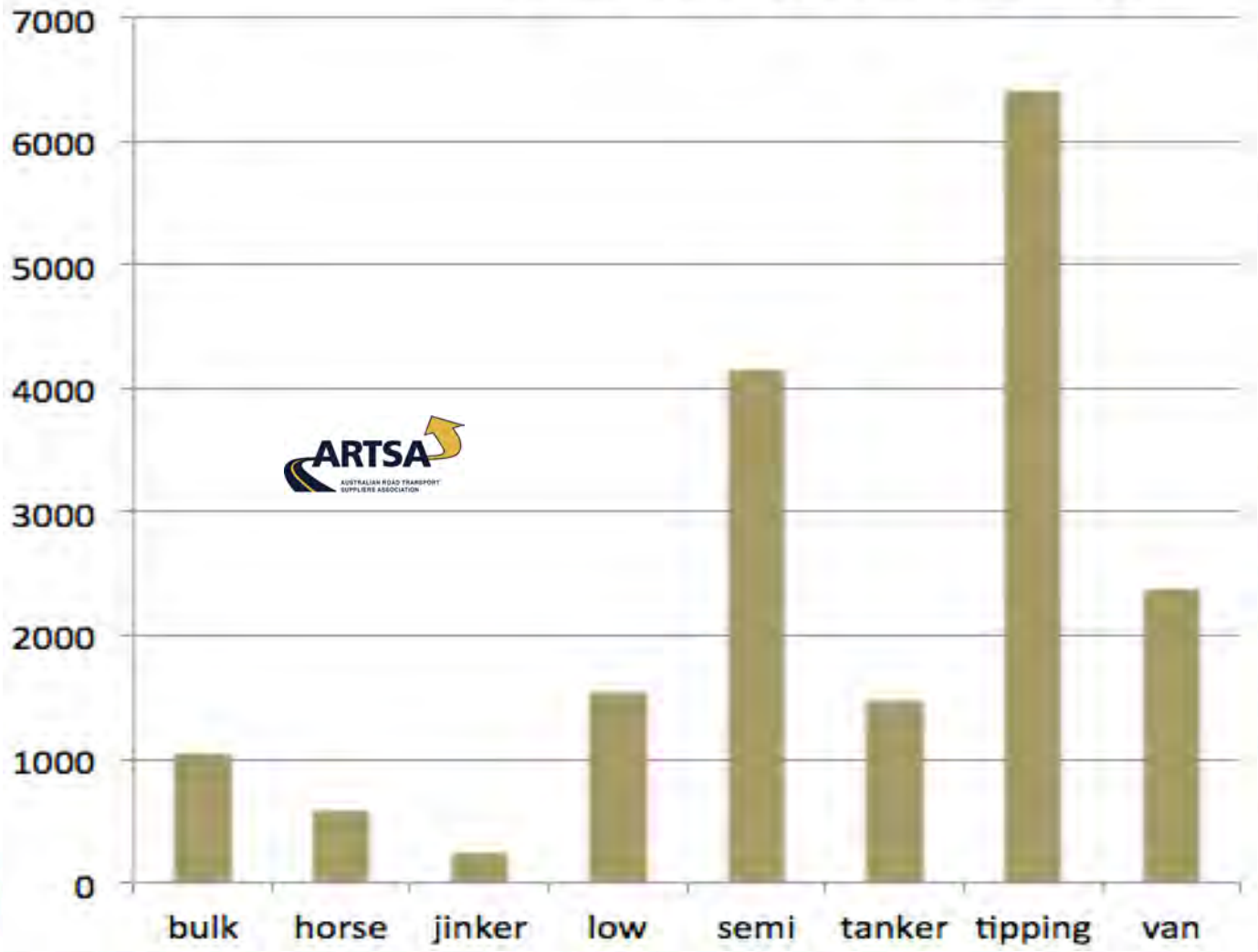
Semi Trailer by Application - NSW only



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Phew !

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