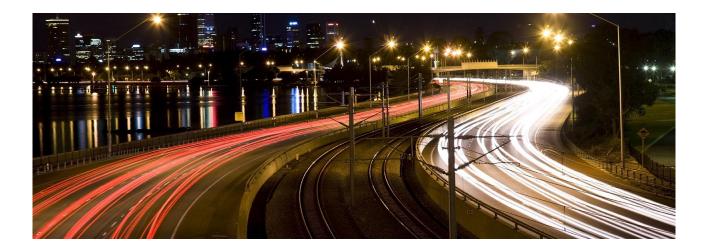
Report prepared for the Federal Chamber of Automotive Industries

# Submission to the Productivity Commission inquiry into the National Access Regime and the Competition and Infrastructure Reform Agreement

Dr Alistair Davey

February 2013







### About the Author

Alistair Davey is a Principal in the Canberra office of the Sapere Research Group. Prior to becoming a consultant in May 2007, he spent 15 years working for the Australian Government in various roles, serving as the competition and microeconomic advisor to the Treasurer from March 1996 until June 1999 and working for the Australian Competition and Consumer Commission (ACCC) from June 1999 until September 2003.

Alistair specialises in the economic analysis of trade practices, competition policy and regulatory instruments. He has advised prominent firms involved in the downstream petroleum industry, grocery retailing, credit/charge card issuance, agriculture and electricity generation, as well as various industry associations and Commonwealth and State government agencies.

Alistair holds a Masters degree in economics from the University of Melbourne and a professional doctorate from the Australian National University where he examined the competitive effects of horizontal agreements in the downstream petroleum industry. Alistair has been published in refereed economic journals writing on competition law and petrol prices.

### About Sapere Research Group Limited

Sapere Research Group is one of the largest expert consulting firms in Australasia and a leader in provision of independent economic, forensic accounting and public policy services. Sapere provides independent expert testimony, strategic advisory services, data analytics and other advice to Australasia's private sector corporate clients, major law firms, government agencies, and regulatory bodies.

Canberra	Melbourne	Sydney
Unit 3, 97 Northbourne Ave Turner ACT 2612 GPO Box 252 Canberra City, ACT 2601 Ph: +61 2 6267 2700 Fax: +61 2 6267 2710	Level 2, 65 Southbank Boulevard GPO Box 3179 Melbourne, VIC 3001 Ph: + 61 3 9626 4333 Fax: + 61 3 9626 4231	Level 14, 68 Pitt St GPO Box 220 NSW 2001 Ph: + 61 2 9234 0200 Fax: + 61 2 9234 0201
Wellington Level 9, 1 Willeston St PO Box 587 Wellington 6140 Ph: +64 4 915 7590 Fax: +64 4 915 7596	Auckland Level 17, 3-5 Albert St PO Box 2475 Auckland 1140 Ph: +64 9 913 6240 Fax: +64 9 913 6241	



For information on this report please contact:

Name: Dr Alistair Davey

Telephone: +61 2 6267 2705

Mobile: +61 (0) 4222 11110

Email: adavey@srgexpert.com



## **Contents**

1.	Introduction	5
2.	Access to an essential facility	5
3.	Competition problems with seaports	6
4.	Monopoly provision of automotive terminalling services	7
5.	Double monopoly problem	10
6.	Why efficient port charges matter	10
7.	Conclusions	10
8.	References	11



### 1. Introduction

- This report has been prepared as a submission to the Productivity Commission inquiry
  into the National Access Regime (NAR) and the Competition and Infrastructure
  Reform Agreement (CIRA) and has been commissioned by the Federal Chamber of
  Automotive Industries (FCAI).
- The focus of this report is on competition issues surrounding the provision of automotive terminalling services at seaports around Australia and the CIRA.
- The provision of automotive terminalling services plays a vital role in the automotive supply chain for Australian exporters and importers of motor vehicles.
- An automotive terminal is a piece of infrastructure that is suited to the loading, unloading and storage of motor vehicles. The process of moving motor vehicles from a ship to land or vice versa requires a terminal facility of sufficient size and strength to handle the ship and automotive stevedoring services to load and unload the cargo.
- Automotive terminal operators provide terminal space for the temporary storage of cargo after it is discharged from a vessel or prior to it being loaded onto a vessel.
- Automotive stevedoring involves driving motor vehicles on and off ro-ro ships and is relatively labour intensive. Stevedores contract with terminal operators for the use of the terminal space and related equipment.
- The major supplier of automotive terminalling services around the country is Australian Amalgamated Terminals Pty Limited (AAT).

# 2. Access to an essential facility

- An essential facility has been defined as a facility that exhibits natural monopoly
  characteristics which permits the owner to reduce output and/or service and charge
  monopoly prices, to the detriment of users and the economy as a whole. Examples of
  essential facilities include electricity transmission grids, telecommunications networks,
  rail tracks, major pipelines, ports and airports.
- The problem with an unregulated essential facility is that a facility owner may be able to set prices that substantially exceed its forward looking, long run economic costs the level of prices that would prevail in the presence of effective competition. Regulatory concern arises when a firm possesses significant and durable market power leading to prices that substantially deviate from proper economic costs and which generate persistent supracompetitive returns.
- Impeding access to an essential facility can result in vertical foreclosure through the facility owner denying or limiting access to its input.
- The fundamental effect of any successful foreclosure is a restriction of output in both the upstream and the downstream markets, with a corresponding increase in price coming at the expense of customers in the downstream product market.
- The NAR is a policy response to the problem created by access to essential facilities.



# 3. Competition problems with seaports

- Major seaports in Australia are monopoly suppliers of the provision of port services for the transport of motor vehicles.
- One of the reasons for retaining port authorities in public ownership has been to guard against the abuse of market power.
- While there may have been no overt exercise of market power by publicly owned port
  corporations, concerns remain they may still have an interest in inflating land values in
  order to maximise financial returns for state governments who are under increasing
  financial pressure.
- While there may be some restraint on the exercise of market power by publicly owned
  port corporations by virtue of their adherence to legislative objectives, this is not the
  case for other major ports hosting automotive terminals.
- The exercise and abuse of market power has been mitigated in relation to Port Adelaide through South Australian regulatory arrangements covering pricing and third party access that accompanied privatisation in 2001
- On the other hand, there is no provision for any regulatory oversight of charges imposed by the port operator at the Port of Brisbane.
- NSW will introduce a price monitoring scheme for its privatised ports that imposes a
  reporting obligation on the part of port operators but which bypasses the NSW price
  regulator altogether, the Independent Pricing and Regulatory Tribunal (IPART). Under
  the NSW arrangement, port operators will report directly to the relevant state Minister
  on an annual basis and the Minister will also have power to compel port operators to
  provide information on request.
  - The Productivity Commission has observed that the credibility of the prices oversight can be enhanced by giving regulating entities some independence from government, as this reduces pressures for decisions based on short-term political considerations. The Productivity Commission has also recommended that prices oversight should be undertaken by a regulator that is independent of government, such as a statutory authority.
- Where independent state price regulators have been commissioned to conduct CIRA
  port reviews they have recognised the potential for major seaport operators to exercise
  market power even if it has been acknowledged that operators have not done so. As
  such, price monitoring regimes operate in Victoria and South Australia consistent with
  those states' obligations under the CIRA.
- On the other hand, where CIRA port reviews have been left in the hands of government agencies, and in some instances contracted out to private economic consultants, they have tended to find no evidence of the abuse of market power and on that basis concluded there was no need for the imposition of economic regulation. This may be a reasonable enough position to adopt in the case of publicly owned port corporations where adherence to legislative objectives may restrain the abuse of



potential market power by port operators. However, there are no such restraints on port operators where ports have been privatised.

- The situation in relation to the Port of Brisbane is inadequate where there is no check on the potential abuse of market power by the now privately owned port operator. The policy response on the part of the Queensland Government to the potential abuse of market power at the Port of Brisbane so far has been one of inaction.
- While a price monitoring regime is being implemented in NSW following the privatisation of Port Kembla and Port Botany, it does not engender confidence given it will bypass the NSW price regulator IPART. The policy response on the part of the NSW Government to the potential abuse of market power at its privatised ports should be consistent with the policy principles of the CIRA that recommend that price monitoring should be conducted by an independent body.
- CIRA has not proven to be an effective instrument in preventing the potential abuse of market power by private operators of major seaports in Queensland and New South Wales.
- While Victoria and South Australia have implemented price monitoring regimes
  consistent with their obligations under the CIRA, one area of oversight within these
  regimes may be in regard to attempts by port operators to inflate land values which in
  turn could be used to inflate port lease rentals. This is one area where existing price
  monitoring regimes could be extended.
- In regard to the provision of automotive terminalling service the states have generally not complied with their CIRA obligations to allow competition unless a transparent public review finds that the benefits of restricting competition outweigh the costs as it has generally been overlooked. The only state that appears to have fully complied with this requirement, NSW, urgently needs to revisit this matter in light of the privatisation of Port Kembla.

# 4. Monopoly provision of automotive terminalling services

- The provision of automotive terminalling services in Australia is dominated by AAT which is a monopoly provider at the Port of Brisbane and Port Kembla while a duopoly exists at Port Adelaide and an oligopoly exists at the Port of Melbourne.
- AAT was created as a joint venture between the stevedoring and terminalling duopolists, the then Toll/Patrick Group (Patrick) and the then P&O Group (P&O) during the period from September 2001 to April 2002.
- While there have been ownership and name changes since 2002, AAT is still a joint venture between essentially the same stevedoring and terminalling duopolists.
- In response to the creation of AAT, the Australian Competition and Consumer Commission (ACCC) claimed that Patrick and P&O entered into arrangements in 2001 and 2002 which had the purpose or effect, or likely effect, of substantially lessening competition in markets for the supply of automotive terminals at ports in Brisbane,



- Sydney and Melbourne in contravention of section 45(2) of the then Trade Practices Act (TPA), now the Competition and Consumer Act (CCA).
- Before any proceedings went to judgement, the ACCC reached a settlement agreement with Patrick and P&O under which both parties agreed to pecuniary penalties of \$1.9 million for contraventions of section 45(2) of the TPA. As part of the settlement, AAT would apply to the ACCC for authorisation of the contractual arrangements establishing AAT.
- Authorisation is the process of seeking an exception from the application of competition law on public benefit grounds. Despite expressing concern that there were limited public benefits and potentially significant detriments from the operation of AAT, the ACCC granted authorisation to AAT until December 2019 in December 2009 conditional on AAT providing:
  - an open and non-discriminatory process for the offer of access to stevedores;
  - a non-discriminatory approach to pricing and the provision of terminal services;
     and
  - an efficient and effective dispute resolution process in the event that AAT and the access seeking stevedore are unable to negotiate a mutually acceptable agreement.
- Under the terms of the ACCC authorisation, it is possible for a stevedore to refer an access dispute to arbitration to be conducted either by the ACCC or independent arbitrator. In the event that the ACCC is the arbitrator, it will have powers set out in Subdivisions C-E and G of Division 3 of Part IIIA of the CCA.
- The practical effect of the ACCC's authorisation in this regard has been to impose a
   de facto access declaration upon AAT, complete with references back to provisions
   contained in Part IIIA of the CCA. A major problem with the ACCC's approach is that
   it denies parties access to the protections afforded under Part IIIA such as through
   merits review.
- The ACCC authorisation also provides for binding determination by an independent price expert in the event of a complaint in relation to a price dispute.
- The practical effect of the ACCC's authorisation in this regard has been to privatise the price regulation process. This is a highly unusual situation that is without precedent.
  - The ACCC authorisation is arguably deficient in that it does not require the independent price expert to publish reasons for their decisions.
  - An important aspect of accountability is answerability. On this basis, there is
    effectively no accountability with the appointment of an independent price expert.
- The monopoly position enjoyed by AAT in the two major automotive seaports gives it
  the capacity to impose inefficient input costs upon automotive stevedores. While the
  ACCC authorisation ensures non-discriminatory access to all prospective automotive
  stevedores, it does not provide absolute protection against inefficient charges imposed
  by AAT.
- It is possible for a stevedore to refer an access dispute to arbitration to be conducted either by the ACCC or independent arbitrator under the terms of the authorisation. However, given that both existing automotive stevedores are related parties to AAT, the practical reality is that they are extremely unlikely to initiate an access dispute requiring arbitration and there is no other independent automotive stevedore operating from an AAT terminal. The arbitration process provided for under the ACCC authorisation is



- only likely to be of any benefit in delivering an efficient price in the event of the potential entry of another automotive stevedore who is not a related party to AAT.
- The ACCC authorisation also provides for binding determination by an independent price expert in the event of a complaint in relation to a price dispute. The fundamental problem with the ACCC pricing principles imposed on AAT is that it imposes rate-ofreturn regulation (ROR) on its operations that may not necessarily be compatible with an efficient pricing regime.
  - A critical problem with ROR regulation is the lack of incentive for the regulated firm to reduce its costs.
- While it could be argued that the ACCC's authorisation overcomes the deficiency associated with ROR regulation through specifying that the independent price expert must take into account "efficient input costs", the practical application of this requirement has so far been to rely on AAT's word that it has adopted efficient input costs in the past in order to determine whether projected future input costs are reasonable.
- The relevant economic literature suggests that ROR regulation coupled with historical costs for a monopolist is likely to be an inappropriate basis on which to be setting efficient prices.
- There have been a number of other deficiencies associated with the operation of the independent price expert.
  - In deliberating on a reasonable ROR for the operations of AAT, the independent price expert settled on a rate of return that was actually higher than originally proposed by AAT based on their assessment of risk. Given the information asymmetries that would exist, it seems strange that the independent price expert would have a better grasp on the risk of AAT's operations than AAT would have itself. This decision was highly contestable and a price regulator should be accountable for their decision making under such circumstances. This higher rate of return was subsequently utilised by AAT in following price determinations for its terminal operations.
  - The process provided for under the ACCC authorisation lacks transparency due to its reliance on commercially sensitive and confidential information and AAT's pricing model which is essentially a black box and beyond the scope of any external scrutiny with the exception of the independent price expert.
- Competition law generally exists to at least scrutinise and sometimes prohibit joint
  ventures between market rivals. However, rather than pursue the dissolution of AAT in
  its prosecution for breaches of the TPA, instead the ACCC entered into a plea-bargain
  with the owners of AAT and then later sanctioned its operation through authorisation.
  In an attempt to constrain the exercise of market power by AAT, the ACCC has
  imposed a number of conduct or behavioural conditions on AAT.
  - It appears the ACCC has adopted a different standard in relation to the AAT authorisation than it generally does in relation to mergers as it has failed to address any of the underlying structural problems associated with the provision of automotive terminalling services by AAT through the imposition of behavioural remedies.



### 5. Double monopoly problem

- Any abuse of market power by port operators through the charges they levy on automotive terminal operators will be further exacerbated where an automotive terminal operator in turn exercises market power through the charges they impose on automotive stevedores and shippers.
  - Double marginalisation occurs wherever there is any market power exercised at successive vertical stages of production. This double mark up on the product leads to lower total sales and lower total profit than if the port operator and the automotive terminal operator were vertically integrated.
- The risk of double marginalisation in regard to the provision of automotive terminalling services at the Port of Brisbane and at Port Kembla is a very real prospect.
  - There is no regulatory oversight of prices charged by the private port operator at the Port of Brisbane coupled with a monopoly provider of automotive terminalling services subject to an inadequate price control regime.
  - The regulatory oversight of prices at a privatised Port Kembla will be inappropriate coupled with a monopoly provider of automotive terminalling services subject to an inadequate price control regime.

### 6. Why efficient port charges matter

- Economic theory suggests that the abuse of market power through inefficient port and terminal charges will be passed through to new motor vehicle buyers to some extent both domestically in the case of imported motor vehicles and overseas in the case of exported passenger vehicles.
- The price increase in vehicles due to inefficient port and terminal charges means consumers will purchase less imported new vehicles and Australia will export less vehicles to overseas markets.
- An increase in the price of new vehicles will increase demand for and the price of used vehicles.
- An increase in the price of new vehicles is also associated with a decrease in the rate at
  which older vehicles are scrapped. Older vehicles lack the most up-to-date safety
  features and are less safe than newer vehicles.

### 7. Conclusions

- There is no check on the potential abuse of market power by the privately owned port operator at the Port of Brisbane.
- The policy response on the part of the New South Wales Government to the potential abuse of market power at its privatised ports could be considered inappropriate.



- The CIRA has not proven to be an effective instrument in preventing the potential abuse of market power by private operators of major seaports in Queensland and New South Wales.
- The potential for abuse of market power by port operators is further exacerbated by the creation of a monopoly provider of automotive terminalling services in AAT.
- The provision of automotive terminalling services appears to have fallen between the
  cracks when it comes to mitigating the potential abuse of market power by private port
  operators coupled with the sanctioned operation of a monopoly provider of automotive
  terminalling services. This in turn creates conditions conducive to double
  marginalisation.
- The CIRA along with competition law enforcement and administration have failed the
  workably competition test set by Jesse Markham given there is clearly a change that can
  be effected through public policy measures that would result in greater social gains than
  social losses in relation to ports and the provision of automotive terminalling services to
  mitigate the potential abuse of market power.

### 8. References

Allen Consulting Group. (2009). Council of Australian Governments Review of Western Australian Ports: Final Report. Perth.

Australian Competition and Consumer Commission. (2007). Application for authorisation lodged by the Federal Chamber of Automotive Industries on behalf of its members in respect of new and existing facilities for the importation and exportation of motor vehicles into and out of Australia. Canberra.

Australian Competition and Consumer Commission. (2009). Applications for authorisation lodged by Australian Amalgamated Terminals Pty Limited in respect of giving effect to the agreements and related arrangements which establish Australian Amalgamated Terminals Pty Limited. Canberra.

Australian Competition and Consumer Commission. (2008). Merger guidelines November 2008. Canberra.

Australian Competition and Consumer Commmission. (2002). Submission to the Trade Practices Act review. Canberra.

Averch, H., & Johnson, L. L. (1962). Behavior of the Firm Under Regulatory Constraint. *The American Economic Review*, 52, 1052-1069.

Braeutigam, R. R., & Panzar, J. C. (1993). Effects of the Change from Rate-of-Return to Price-Cap Regulation. *The American Economic Review*, 83, 191-198.

Cartwright, D. (2011). Independent Price Determination: Price Increase Proposed for Webb Dock West from 15 January 2011. Sydney: Pitcher Partners.

Cartwright, D. (2010). Independent Price Expert Determination: Price Increase Proposed for Fisherman Islands from 1 August 2010, Price Increase Proposed for Port Kembla from 1 August 2010. Sydney: Pitcher Partners.

Clark, J. M. (1940). Towards a Concept of Workable Competition. *The American Economic Review*, 30, 241-256.



Clarke-Smith, J. M. (2002). The Development of Monopolistic Leveraging Theory and its Appropriate Role in Antitrust Law. *Catholic University Law Review*, 52, 179-205.

Davies, D. G. (1977). Property Rights and Economic Efficiency - the Australian Airlines Revisited. *Journal of Law and Economics*, 20, 223-226.

Davies, D. G. (1971). The Efficiency of Public Versus Private Private Firms, the Case of Australia's Two Airlines. *Journal of Law and Economics*, 14, 149-165.

Department for Transport Energy and Infrastructure. (2008). Review of Significant Ports in South Australia under the Competition and Infrastructure Reform Agreement. Adelaide.

Department of Industry, Innovation, Science, Research and Tertiary Education. (2012). Key Automotive Statistics 2011. Canberra.

Department of Infrastructure, Transport, Regional Development and Local Government & ACIL Tasman. (2010). CO2 Emissions Standards for Light Vehicles: Internal Working Paper. Canberra: Department of Infrastructure, Transport, Regional Development and Local Government.

Department of Transport. (2012). Feasibility Study: Relocating motor vehicle importing and exporting to the Port of Geelong. Melbourne.

Ergas, H., & Small, J. (2001). Price Caps and Rate of Return Regulation. Canberra.

Essential Services Commission of South Australia. (2012). 2012 Ports Pricing and Access Review Final Report. Adelaide.

Essential Services Commission of South Australia. (2007). Ports Pricing and Access Review: Final Report, September. Adelaide.

Essential Services Commission. (2007). Review of Port Planning: Final Report. Melbourne.

Essential Services Commission. (2009). Review of Victorian Ports Regulation: Final Report. Melbourne.

Federal Chamber of Automotive Industries. (2009). Application Under s77 of the Queensland Competition Authority Act 1997 for Declaration of Services Provided by the Fisherman Islands Cargo Terminal. Canberra.

Gruenspecht, H. K. (1982). The Case of Auto Emissions Standards. *The American Economic Review*, 72, 328-331.

Hayek, F. A. (1948). Individualism and Economic Order. Chicago: University of Chicago Press.

Hilmer, F. G., Rayner, M. R., & Taperell, G. Q. (1993). Hilmer, F. G., Rayner, M.National Competition Policy: Report by the Independent Committee of Inquiry. Canberra: AGPS.

Industry Commission. (1993). Port Authority Services and Activities. Canberra.

King, S. P. (1997). Pricing for Infrastructure. Competition and Consumer Law Journal, 4(3), 203-219

Landigran, M. (2002). The Merits of Merits Review. *Telecommunications Journal of Australia*, 52, 55-61.



Leibenstein, H. (1966). Allocative Efficiency vs. "X-Efficiency". *The American Economic Review* , 56, 392-415.

Leibenstein, H. (1973). Competition and X-Inefficiency: A Reply. *Journal of Political Economy*, 81, 765-777.

Lerner, A. P. (1934). The Concept of Monopoly and the Measurement of Monopoly Power. Review of Economic Studies , 1, 157-175.

Markham, J. W. (1950). An Alternative Approach to the Concept of Workable Competition. *The American Economic Review*, 40, 349-361.

Mullin, J. C., & Mullin, W. P. (1997). United States Steel's Acquisition of the Great Northern Ore Properties: Vertical Foreclosure or Efficient Contractual Governance? *Journal of Law, Economics, & Organization*, 13, 74-100.

Northern Territory Government. (2009). Review of the Regulatory Framework for Port of Darwin: Final Report, March. Darwin.

Ordover, J. A., & Lehr, W. (2001). Should coverage of the Moomba-Sydney pipeline be revoked? In N. C. Council, *Moomba to Sydney Gas Pipeline System: Revocation Application under the National Gas Code, Final Recommendations November 2002.* Melbourne.

Phillips, M. (2012). Shipping Australia policy update: Chairman's report 2011. Retrieved January 8, 2013, from Shipping Australia Limited: http://shippingaustralia.com.au/Shipping-Australia-policy-update/

Posner, R. A. (1969). Natural Monopoly and Regulation. Stanford Law Review, 21, 548-643.

PriceWaterhouseCoopers. (2007). Review of Port Competition and Regulation in NSW, November. Sydney.

Producitivty Commission. (2001). Review of the Prices Surveillance Act 1983. Canberra: AusInfo.

Queensland Competition Authority. (2011). Application by the FCAI for declaration of motor vehicle import services at the Port of Brisbane, Decision on whether the FCAI's application relates to a 'candidate service': Statement of Reasons. Brisbane.

Queensland Competition Authority. (2007). Submission: Review of Current Port Competition and Regulation in Queensland. Brisbane.

Queensland Transport. (2007). Review of Current Port Competition and Regulation in Queensland: Final Report, December. Brisbane.

Rey, R., & Tirole, J. (2007). A Primer on Foreclosure. In M. Armstrong, & R. Porter, *Handbook of Industrial Organization, Volume 3* (pp. 2145-2220). Elsevier B.V.

Shipping Australia Limited. (2009). Shipping Australia's submission to the ACCC in respect of the Australian Amalgamated Terminals Pty Ltd application for authorisations A91 141 and A91142. Sydney.

Shipping Australia Limited. (2007). Submission by Shipping Australia Limited to the Review of the Impact of Port Planning on Competition on Queensland Ports. Sydney.



Sims, R. (2012). Infrastructure: why, when and how to regulate. SMART Facility, University of Wollongong, Speech by the Chairman of the Australian Competition and Consumer Commission, 23 Febraury.

Smith, A. (1961). An Inquiry into the Nature and Causes of The Wealth of Nations (Vol. 2). London: University Paperbacks, Methuen.

Smyrk, L., & Morris, A. (2006). Modelling the demand for passenger motor vehicles in Australia: A Stock Adjustment Approach. Melbourne: Working Paper Series, School of Applied Economics, Victoria University.

Spengler, J. J. (1950). Vertical Integration and Antitrust Policy. *Journal of Political Economy*, 58, 347-352.

Stopford, M. (2009). Maritime Economics 3rd Edition. London and New York: Routledge.

The World Bank. (2007). Port Reform Toolkit, Second Edition. Module 6, Port Regulation Module. Washington DC.