21 September 2001

The Honourable Peter Costello MP
Treasurer
Parliament House
CANBERRA ACT 2600

Dear Treasurer

In accordance with Section 11 of the Productivity Commission Act 1998, we have pleasure in submitting to you the Commission’s report on Telecommunications Competition Regulation.

Yours sincerely

Mike Woods
Presiding Commissioner

Richard Snape
Deputy Chairman
Terms of reference

REVIEW OF TELECOMMUNICATIONS SPECIFIC COMPETITION REGULATION

Section 151CN of the Trade Practices Act 1974 requires that before 30 June 2000, the Minister for Communications, Information Technology and the Arts should cause to be conducted a review of Part XIB of that Act which deals with anti-competitive conduct in the telecommunications sector. At the Minister’s request, the following reference is made to the Productivity Commission.

I, PETER COSTELLO, Treasurer, pursuant to Parts 2 and 3 of the Productivity Commission Act 1998, hereby:

1. Refer telecommunications specific competition regulation for inquiry and report within twelve months of receipt of this reference.*

2. Specify that in conducting the review, the Commission has regard to the intent of the Parliament in establishing the review, the state of competition in the telecommunications market, and the impact of new technologies and delivery platforms.

3. Specify that in making its recommendations, the Commission aim to improve the overall economic performance of the Australian economy.

4. In particular, request that the Commission examine and report on:

   (a) The operation to date of Parts XIB and XIC of the Trade Practices Act 1974, and the following provisions of the Telecommunications Act 1997:

      (i) Part 17, which deals with pre-selection in favour of carriage service providers;

      (ii) Division 5 of Part 21, which deals with technical standards about the interconnection of facilities;

      (iii) Part 22 as it pertains to number portability;

      (iv) Division 3 of Part 25, which deals with ACCC inquiries, particularly in relation to the declaration of services under Part XIC; and

      (v) Parts 2 to 5 of Schedule 1, which deal with various access matters;

   (b) The community and economic benefits and costs, including ongoing network investment, flowing from the provisions mentioned in paragraph 4(a);
(c) Whether the provisions in paragraph 4(a) are sufficient to prevent integrated firms taking advantage of their market power with the purpose or effect of substantially lessening competition in a telecommunications market, or whether alternative arrangements are required or appropriate; and

(d) Whether any or all of the provisions mentioned in paragraph 4(a) above should be repealed or amended.

5. Specify that the review:

(a) Take account of any recent studies undertaken;

(b) Have regard to the established economic, social and environmental objectives of the Australian Government; and

(c) Not encompass the structural separation of Telstra, in line with Government policy on this issue.

6. In undertaking the review, the Commission is to advertise nationally, consult with key interest groups and affected parties, and release a draft report. The Government will respond to the final report produced by the Commission within six months from the date it is received.

PETER COSTELLO

* Received 21 June 2000. The reporting deadline was subsequently extended to 22 September 2001.

On 3 January 2001, the Productivity Commission received a letter from the Assistant Treasurer, Senator The Hon. Rod Kemp, specifying that in undertaking the review the Productivity Commission should:

• have regard to the differing levels of competition across Australia and consider whether a greater recognition of those differing circumstances should be incorporated into competition regulation; and

• specifically consider the implications of current pay television programming arrangements for the development of telecommunications competition in regional Australia, and consider whether any additional regulatory measures are needed to facilitate access to pay television programming.

These additions arise from the Report of the Telecommunications Service Inquiry (the Besley inquiry).
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### Abbreviations

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<tr>
<td>ACA</td>
<td>Australian Communications Authority</td>
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<td>ACCC</td>
<td>Australian Competition and Consumer Commission</td>
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<td>ACIF</td>
<td>Australian Communications Industry Forum</td>
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<tr>
<td>ADSL</td>
<td>Asynchronous Digital Subscriber Line</td>
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<tr>
<td>ATUG</td>
<td>Australian Telecommunications Users Group</td>
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<tr>
<td>AUSTEL</td>
<td>Australian Telecommunications Authority (now defunct)</td>
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<tr>
<td>CBD</td>
<td>Central Business District</td>
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<td>CDMA</td>
<td>Code Division Multiple Access</td>
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<td>Commission</td>
<td>Productivity Commission</td>
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<td>CSP</td>
<td>Carriage service provider</td>
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<td>DCITA</td>
<td>Department of Communications, Information Technology and the Arts</td>
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<td>DDSO</td>
<td>Digital data service obligation</td>
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<td>DFAT</td>
<td>Department of Foreign Affairs and Trade</td>
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<tr>
<td>DSL</td>
<td>Digital Subscriber Line</td>
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<td>GATS</td>
<td>General Agreement on Trade in Services</td>
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<td>GSM</td>
<td>Global System for Mobiles</td>
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<tr>
<td>HFC</td>
<td>Hybrid Fibre Coaxial</td>
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<td>IAP</td>
<td>Internet access provider</td>
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<tr>
<td>IP</td>
<td>Internet Protocol</td>
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<td>ISDN</td>
<td>Integrated Services Digital Network</td>
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<td>ISP</td>
<td>Internet service provider</td>
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<tr>
<td>LMDS</td>
<td>Local Multipoint Distribution Service</td>
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<td>LNP</td>
<td>Local number portability</td>
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<tr>
<td>Minister</td>
<td>Minister for Communications, Information Technology and the Arts</td>
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<tr>
<td>MMDS</td>
<td>Multichannel Multipoint Distribution Service</td>
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<td>NUSC</td>
<td>Net universal service cost</td>
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<td>POP</td>
<td>Point of Presence</td>
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<tr>
<td>PSTN</td>
<td>Public Switched Telephone Network</td>
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<td>TA</td>
<td><em>Telecommunications Act 1997</em></td>
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<td>TAF</td>
<td>Telecommunications Access Forum</td>
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<td>TCPSS Act</td>
<td><em>Telecommunications (Consumer Protection and Services Standards) Act 1999</em></td>
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<td>TIO</td>
<td>Telecommunications Industry Ombudsman</td>
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<td>TPA</td>
<td><em>Trade Practices Act 1974</em></td>
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<td>TSLRIC</td>
<td>Total Service Long Run Incremental Cost</td>
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<td>TTY</td>
<td>Teletypewriter</td>
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<td>ULL</td>
<td>Unconditioned Local Loop</td>
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<td>USL</td>
<td>Universal service levy</td>
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<td>USO</td>
<td>Universal service obligation</td>
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<td>USP</td>
<td>Universal service provider</td>
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<tr>
<td>VDSL</td>
<td>Very high speed Digital Subscriber Line</td>
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<tr>
<td>VoIP</td>
<td>Voice over Internet Protocol</td>
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<tr>
<td>WTO</td>
<td>World Trade Organization</td>
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**Explanation**

**Submission page reference numbers**  
The page reference numbers for submissions cited in this report are taken from printed copies held by the Commission. Because many submissions and documents were originally received as electronic files or downloaded from the internet, the cited page numbers may differ from page numbers in printed copies held by others.

**Transcript page reference numbers**  
Transcript page reference numbers are taken from electronic copies held by the submission in which all transcript pages for this inquiry are number sequentially.
Key messages

Australia needs an efficient and innovative telecommunications sector. To achieve this and to gain the greatest benefit from the convergence with broadcasting and the internet, the regulatory regime should promote economically efficient use of, and investment in, telecommunications services and the many network technologies that are unfolding.

The fixed phone network remains important and is still in transition to competition. There is a need for effective access to this network at prices that allow efficient competition, while not destroying the incentives for long-term investment. There are grounds for lighter regulation of other telecommunications services, such as mobile.

There are two key regulatory requirements aimed at increasing effective competition in telecommunications services:

- telecommunications-specific provisions for controlling anti-competitive conduct (Part XIB of the Trade Practices Act), with competition notices and a threshold test easier than Part IV, based on ‘effect or likely effect’; and
- a telecommunications-specific access regime (Part XIC) that provides for access to telecommunications infrastructure.

Part XIB may have both a preventative and remedial role in stemming anti-competitive behaviour. It is speedier and less costly to implement than Part IV. However, it has been used when alternatives would have been more appropriate. It lacks appropriate transparency and accountability. The Commission recommends its retention conditional on the introduction of a better appeals mechanism intended to enhance procedural fairness and to test the validity of the ACCC’s actions. The Commission also recommends:

- that a competition notice should no longer constitute prima facie evidence of the matters set out in the notice;
- an increase the transparency of the arrangements; and
- that the ACCC develop guidelines about when Part XIB is preferred to Part XIC or other mechanisms for dealing with access-related issues.

The Commission recommends the retention of a telecommunications-specific access regime (Part XIC). However, the current arrangements have deficiencies. The declaration criteria in Part XIC are vague and provide excessive discretion to the regulator. The processes for determining conditions for access under Part XIC are slow and inefficient. This reflects the failure of undertakings as a mechanism and the predominance of lengthy bilateral arbitrations between conflicting parties.

For prospective new telecommunications facilities the risk of future declaration and regulated pricing under the current regime could prove to be a barrier to investment, with long-run consequences for consumers and for Australia’s overall economic efficiency. There are also adverse interactions between certain social regulations and incentives for facilities competition and efficient access pricing.

The Commission recommends:

- the replacement of the existing declaration criteria with more objective and targeted requirements and the introduction of appeal and sunset provisions,
- the ability to determine prices jointly for a group of access seekers, rather than always using bilateral arbitration, combined with binding time limits for many regulatory processes;
- a range of measures — such as legislated access pricing principles, elimination of the access deficit and provisions for limiting the application of declaration and regulated access pricing to new investments — that recognise the importance of investment in telecommunications facilities.
Overview

The main thrust of the report

An efficient and innovative telecommunications sector is a key element in Australia’s future economic growth. It is an enabling technology for the economy more generally. As well as basic telephony, there is now a plethora of new services (internet, messaging, email, videoconferencing) and network technologies (mobile, satellite and cable) — and many other services and technologies are on the horizon. Separate sectors, such as broadcasting and telecommunications, are converging. Content, data and mobile services will become increasingly important — and play a bigger role.

In the context of this rapidly evolving sector, future policy making needs to recognise that:

• networks with broadband capacity will assume greater importance and will be the conduit for a large array of services beyond basic telephone services;

• open access networks, by encouraging downstream competition and innovation, have major advantages over those that restrict entry;

• exclusive arrangements for providing content to particular network technologies (satellite, cable, mobile or copper-based) are not likely to deliver the most efficient outcomes;

• effective telecommunications competition regulation should reduce denial of access;

• the incentives for innovation and investment in telecommunications infrastructure are maintained by reducing barriers to entry by new operators, while ensuring that regulation does not expropriate the returns that are needed for risky investment; and

• investors and entrants are likely to perceive that the risks are lower where the regulatory environment is transparent, independent, timely and administratively efficient.

The Commission’s review of telecommunications competition regulation has closely scrutinised the effectiveness of current arrangements and also has assessed the policies that will be required as the environment changes.
In contrast to its position in the draft report, the Commission considers that telecommunications-specific provisions for dealing with anti-competitive conduct remain relevant and a modified version of Part XIB of the TPA should be retained for the next few years. However, the absence of appropriate transparency and accountability in the current provisions potentially encourages regulatory error and overreach — and the Commission has proposed measures to deal with this.

The Commission considers that telecommunications-specific regulation of access terms and conditions (Part XIC of the TPA) is still required to maintain efficient competition over the medium term.

Nevertheless, current regulatory processes for access to telecommunications facilities are slow, uncertain and inefficient — with adverse consequences for parties seeking access. There are potential pitfalls in the criteria that determine services that are subject to access and in determining access prices. Associated with this there is a risk of reduced investment in core telecommunications infrastructure — with long-run consequences for consumers and for Australia’s overall economic efficiency. The Commission has advocated a number of reforms to the telecommunications-specific access arrangements to address these shortcomings.

Telecommunications policy issues raise complex conceptual and practical problems. The goal of policy should not be to mimic outcomes that might be achieved in a purely competitive market or to determine a regulatory approach that purports to guide the industry over the long run. The limits to effective regulation and the speed of technological change make this an unachievable ideal. A more pragmatic and modest policy goal is to devise a set of arrangements that are workable, that improve efficiency over the medium term, that reduce some of the bigger risks of making regulatory errors and that promote the contribution of telecommunications to Australia’s future economic growth.

The Commission argues that the focus of regulation should be on the core bottlenecks, best exemplified by access to the local loop. The competition regime it advocates is less heavy-handed than the current one, but it is not light-handed — because the market is not yet sufficiently competitive.

As one protection from excessive regulation, the Commission recommends the legislated sunsetting of declared services — so that services where market power has diminished can be freed from access regulation. But if the pace of technological change is more revolutionary (wireless local loops, new fibre optic networks and additional satellite services), there may be even greater capacity for reducing regulation in the future. Inevitably, telecommunications competition regulation — and in particular, the anti-competitive provisions — will have to be re-visited in the next five years because of the rapid pace of technological and market change.
How important are telecommunications services?

Telecommunications services comprise one of the key sectors of the Australian economy — accounting for revenue of around $25 billion in 2000. There is no comparably sized sector with as fast a rate of growth. Investment has been substantial. More than $9 billion of capital expenditure is expected to have taken place in 2000-01 alone.

Since new regulations allowed free entry in mid-1997, the number of telecommunications carriers has grown rapidly from just 3 to 77 in June 2001. Over the same period, prices have fallen for all services — particularly the most competitive services, such as long distance and mobile services.

Despite strong growth over the last five years, recently there has been a downturn in the global telecommunications market, with spectrum values falling and future investment plans reassessed. A major Australian carrier, One.Tel, failed during the period of this inquiry, and others have experienced large losses. However, the longer-term importance of telecommunications to the economy is unlikely to diminish.

Why should telecommunications services be regulated?

The single most important factor underlying the need for regulation in telecommunications is the ubiquitous local loop (the last mile) owned by Telstra. These are the lines and switches that are used for sending or receiving voice and data on fixed phone lines. If a rival to Telstra wishes to compete in non-local services — such as mobile, national and international long distance calls — it must have access to the local loop to offer call origination and termination services to its customers. In the absence of regulation, Telstra could exercise market power through its domination of local loop services. That power arises from several obstacles that weaken entry into certain telecommunications services. The most important are the:

- large costs of local network construction relative to the size of the market and the high cost of exiting the industry. In this case, there will usually be just one provider of the facility — a natural monopoly;
- desire by customers to be able to make calls to and receive calls from anyone (the value of any-to-any connectivity) so that, if they have to make a choice between a small network and a large one that are not interconnected, they will generally prefer the large one; and
• legacy of an historical statutory public monopoly in telecommunications services that led to the dominance of one firm in the provision of the customer access network and in terms of subscriber numbers.

The barriers to entry posed by these obstacles are exacerbated by some (otherwise less important) additional factors:

• an incumbent with a large subscriber base has the capacity to manipulate artificially the costs borne by consumers when switching between carriers (by, for example, denying or delaying number portability — which allows customers to keep their telephone number when they change carriers); and

• a vertically integrated carrier has the incentive to resist access in subtle ways through anti-competitive behaviour, such as delaying access (‘forgetting the keys to the exchange’ as one participant put it).

These barriers to entry generate market power and can lead to higher prices for consumers than would otherwise be the case, with associated efficiency losses across the economy. Comfortable monopolies may also be less cost conscious and innovative.

In telecommunications, two-way access problems may also occur if competition arises in the provision of facilities for mobile or fixed origination services. In this case, carriers must buy termination services from each other, with the possibility that they may levy high terminating charges or, in some cases, collude. Even small non-dominant networks may exercise market power and levy high terminating charges if they deal with a large dominant network that has its access charges determined by a regulator — the ‘hunter becomes hunted’.

Of course, new technologies, the process of convergence, new services and growing demand can erode the market power of established players in unexpected ways. When Alexander Bell patented the telephone in 1876 it was seen as a fleeting novelty. Western Union, the largest telegraph service of the time, sealed its long-term fate by passing up the opportunity to buy the patent. The lesson is that competition can emerge from surprising sources, so that contented incumbents find market power weakened by new technologies and changing patterns of demand. Thus, in telecommunications, internet and new wireless networks may, in the future, threaten revenues based on long distance charging and on local loop dominance.

How should telecommunications be regulated?

The key measures for dealing with the problems posed by significant market power in telecommunications are:
• **Downstream price controls**, such as retail price caps, which seek to remove excess profits. Currently, Telstra must set its prices so that they do not change by more than a specified amount (a CPI-x approach). However, such price caps are imperfect and, if used by themselves, can blunt the incentives for efficiency in the regulated firm. Also, such measures do not necessarily lead to entry and therefore competition in downstream markets.

• **An access regime**, which aims to provide access at regulated interconnection prices. If prices are set correctly, this encourages downstream competition and efficient entry and buy/build decisions by new entrants in telecommunications. For certain services (declared and deemed services), Part XIC of the TPA stipulates the obligations of parties for providing access to telecommunications services.

• **Laws against anti-competitive conduct**, which aim to stop parties from defending monopoly positions by deterring entry or denying supply (so encompassing access regulation issues). This is not seen as an effective substitute for laws dealing directly with access. However, once access is separately regulated, incumbents have greater incentives to deter effective competition in other ways (such as slow interconnection). Part XIB of the TPA sets out telecommunications-specific rules intended to discourage anti-competitive conduct.

None of the instruments is light-handed and most involve an element of, at least, tacit price control. All are imperfect. As in all regulation, there are also costs and risks:

• Administrative and compliance costs arise for the regulator and telecommunications carriers and service providers associated with the inevitably detailed requirements of the regime. Processes are often protracted, legalistic and encourage ‘gaming’. As testimony to the resources involved, Telstra has been cited as the biggest consumer of legal services in Australia.

• There are risks of regulatory failure because the information requirements of decision making are very high. There is a great deal of uncertainty about the level and structure of efficient access prices. There is also the danger that the regulator may be influenced by populism, precedent or other forms of ‘regulatory capture’.

• The risk of eroding the incentive to invest in risky, rapidly changing, telecommunications technologies is probably the greatest challenge of such regulation.

Process issues and the detail of regulations can be as important as choosing between the broad range of options. Proper processes ensure the timely, transparent and
efficient resolution of problems and guard against regulatory creep and gaming. As many participants indicated to the Commission, the ‘devil is in the detail’.

A key issue is whether telecommunications should be subject to generic or telecommunications-specific policy. In this context, the Commission considers that regulatory issues should be dealt with at the highest level of generality possible. Departures from a generic approach should only be justified either by policy-relevant features of telecommunications that are unique, or by transitional costs associated with moving from an existing specific approach to a general one.

While there are few policy relevant features that, taken separately, are unique to telecommunications, the overall combination of features makes telecommunications quite different from other regulated utilities in some policy-relevant dimensions. Of particular prominence are any-to-any connectivity issues and the need for speedy processes given fast moving markets and technologies. Moreover, a specific regime can set out some telecommunications-specific aspects of interconnection — such as standard access obligations under the current Part XIC. They also provide for regulatory measures — such as number portability and pre-selection — that are only relevant to telecommunications (and which the Commission sees as being useful in promoting competition).

These features of telecommunications provide some grounds for a specific set of access arrangements that are different from, or extend, those that apply under the national access regime (Part IIIA of the TPA).

**Who should be the regulator?**

In the generic access regime, there are two regulators, the National Competition Council, which conducts declaration inquiries, and the Australian Competition and Consumer Commission (ACCC), which conducts arbitration under the access regime. Separation of the declaration and arbitration phases of the access regime accords with good regulatory practice. In the parallel inquiry into Part IIIA, the Productivity Commission argues for the retention of the dual regulator approach on this basis. However, the Commission considers that one regulator should continue to oversee telecommunications-specific competition regulation as the procedural advantages of a dual regulator approach for telecommunications would not justify the transition costs and delays in decision making.

Unlike many countries, the bulk of Australian telecommunications regulation is overseen by a general competition regulator, the ACCC, rather than by a telecommunications-specific regulator. There is little to choose between the two approaches. The Commission proposes that the status quo be maintained.
Is telecommunications-specific anti-competitive legislation still needed?

Part XIB was intended to promote competition in telecommunications by facilitating speedy action against anti-competitive conduct. The Part operates in addition to that which applies generally under Part IV of that Act, in particular section 46 relating to *misuse of market power*. There are two central differences.

First, the test for anti-competitive conduct under Part XIB is ‘effect or likely effect’ of behaviour, rather than ‘purpose’ as under section 46 of Part IV.

- ‘Effect or likely effect’ is more expansive than the ‘purpose’ test in section 46. While under Section 46 purpose may be inferred from effect, it may not always be possible to establish purpose, even if an effect were observed.

- The economic rationale for anti-competitive conduct regulation is to prevent conduct that is regarded as being against the public interest, and this objective stands irrespective of the intent of the firm involved. However, there is also a risk that ‘likely effect’ may capture actions that appear anti-competitive, but are not so.

Second, Part XIB, but not Part IV, allows the ACCC to issue competition notices to firms it alleges are engaged in anti-competitive conduct. Firms are subject to the risk of heavy penalties if they cannot demonstrate to a court that the alleged conduct is not anti-competitive, reversing the usual onus of proof. They face fines up to $1 million a day for each day that anti-competitive conduct continues after the issue of the notice. However, the competition notice regime avoids the costly and slow court-based processes of Part IV because the firm receiving the notice usually ceases the alleged anti-competitive conduct before the matter reaches a court. Even though competition notices have been issued in only three cases (internet peering, commercial churn and broadband ADSL), the threat of notices is likely to discourage anti-competitive behaviour in the first place. Thus, Part XIB may have both a preventative and remedial role in stemming anti-competitive behaviour by telecommunications carriers with market power.

Part XIB has the further advantages relative to Part IV of speed, and being more able to deal with several cases simultaneously at reasonable administrative cost. Speedy action is particularly important in telecommunications, given the rapid movement of markets and the ability to acquire first mover advantages.

Australia is not alone in using arrangements specific to telecommunications:

- Other countries use similar screening mechanisms — such as ‘purpose and effect’ — to detect anti-competitive behaviour and also legislate ex ante preventative measures, for example, through licence conditions.
However, the capacity for speed and deterrence in the regulations also increases the potential that the ACCC might threaten anti-competitive action in circumstances where it is not warranted (or that a firm may fear such action), with adverse effects on innovation, commercial business strategies and investment. The risk arises because the accountability mechanisms under Part XIB are poor. A firm can only appeal against a competition notice if a notice is in force. If the firm stops the apparent anti-competitive behaviour to avoid the heavy penalties, the notice is withdrawn, removing the capacity for independent review of its merit.

Telstra has claimed that competition notices issued by the ACCC were inappropriate. However, on the limited public information available, the Commission considers that:

- the ACCC appears to have been cautious in taking complaints to the competition notice stage; and
- there was a reasonable basis for some policy intervention on at least the internet peering and commercial churn cases.

Thus, while Part XIB has the potential negative effect of encouraging regulatory error and overreach and deterring acceptable pro-competitive conduct, the Commission judges that this has not been a large problem to date. The Commission nevertheless notes that measures superior to Part XIB might have been used for at least some of these matters — such as a code for transferring customers from one carrier to another (churning) in the Telecommunications Act or possible use of Part XIC for broadband ADSL.

While it has some strengths, Part XIB lacks procedural fairness and transparency. As noted, the scope for appeals is small. Also, there are no requirements for public transparency in a number of other areas including the receipt of a complaint, the commencement of investigations or their conclusion. The ACCC does not even need to inform a firm that it is the subject of a complaint, or that it may be seeking information from others. There are no requirements for a public inquiry or draft reports or, indeed, for any report at all.

After weighing up its strengths and weaknesses, the Commission supports retention of a modified version of Part XIB, pending the development of more sustainable competition in telecommunications. This support is conditional on the introduction of a better appeals mechanism intended to enhance procedural fairness and to provide a record of the validity of the ACCC’s actions. The Commission also recommends that the arrangements be amended so that a competition notice no longer constitutes prima facie evidence of the matters set out in the notice. Some changes that will increase the transparency of the arrangements are also strongly warranted. The Commission also recommends that the ACCC develop guidelines
about when Part XIB is preferred to Part XIC or other mechanisms for dealing with access-related issues.

There remains a need for the sort of information obtained through the tariff filing and record keeping rules of Part XIB, and the Commission proposes their continuation.

As Part XIB should only be a transitional measure, it should be further reviewed in three to five years.

Reform of the access regime

The telecommunications-specific access regime was intended to be relatively ‘light-handed’. The access regime seeks to:

- provide scope for co-regulation through an industry forum when deciding on access issues (the Telecommunications Access Forum (TAF));
- encourage an access provider to develop some standard terms and conditions (an ‘undertaking’) for ratification by the ACCC; and
- resolve many matters through commercial negotiation, providing for arbitration in the absence of agreement.

However, in practice, the telecommunications-specific provisions have been far from light-handed. The ACCC has rejected Telstra’s four undertakings, and Telstra has said it will not be proposing any more. The TAF has been ineffective — and the Commission recommends its removal for that reason. While there have been many commercially negotiated arrangements, for many major players and key services the ACCC has been obliged to determine access prices in arbitrations. These have involved protracted processes that, when appeal processes are considered, are not yet complete in most cases.

The Commission considers that the aspiration for ‘light-handed’ regulation — while commendable — is not realistic at present. This is because the key to an effective access regime is the determination of access prices. Such price regulation, whether implicit or explicit, is not light-handed. The key to reform, however, is to ensure that the regulations are well designed by following six strategies.

First, the scope of regulations should be appropriate. Access arrangements should only apply to those core telecommunications services where the case for intervention is strong. Additional layers of regulation — regulatory creep — should be avoided. The current scope of regulation may be too great. While the major
bottleneck is local loop services, other services have also come under the regime — such as various trunk services and mobile services. The Commission:

- recommends a tighter set of criteria for declaration. The Commission also recommends that the current objects clause (the ‘long-term interests of end-users’) be amended to focus on promoting efficiency in the use of, and investment in, telecommunications services. This would explicitly recognise the importance of maintaining investment incentives as well as efficient use, and would also maintain consistency with the Commission’s recommended objects clause for Part IIIA of the TPA;

- proposes a range of options that deal with the problem that the risk of declaration may deter some investment. The problem arises because access regimes may reduce the expected returns from risky investments. For investments that would clearly not meet the declaration criteria, the Commission has recommended that the ACCC should be able to issue binding rulings in advance of the investment. For other investments, the Commission has mooted certain types of regulatory contracts and other approaches that reduce uncertainty for investors. The Commission proposes a process to refine the approaches;

- proposes on practical grounds that the sundry set of access arrangements (for example to mobile towers) currently prescribed by licence conditions should remain under the Telecommunications Act rather than be incorporated into the TPA. There are grounds for the ACCC to monitor whether inefficient pricing by power utilities for access to their poles is frustrating the rollout of new broadband networks. Industry Development Plans — a current licence condition — should be abandoned immediately; and

- recommends that the legislation specify sunset clauses for all declared services, as well as streamlined procedures for revoking declarations to services where access is no longer required.

Second, regulations should encourage commercial arrangements. Businesses should make their own decisions about pricing, markets and technologies to the greatest extent possible:

- the Commission recommends some changes to access pricing that may permit more flexibility.

Third, regulations should be applied only where there are problems. The Commission recommends that pre-selection and declaration only be applied to firms with significant market power. The narrowing of declaration in this way is contingent on dealing with the problem that even non-dominant networks may exert terminating market power as a result of the interaction of the access regime and social regulations. The Commission recommends a way in which this could be
achieved. The Commission also recommends that exemption criteria be altered to make exemption a more realistic option for particular services or carriers where declaration should not apply. The Commission recommends the revocation of declaration of mobile services, since it does not consider that enforced access is required in workably competitive services.

*Fourth, policy instruments should be geared to the severity of the problems.* In some cases, declaration may be used in circumstances where a lighter-handed alternative was superior. The Commission recommends that the ACCC should be free to use formal price monitoring for a fixed period as an alternative to existing regulatory options.

*Fifth, the regime needs to recognise policy interconnections.* Problems in other sectors can have adverse effects in telecommunications. For example, the Commission:

- raises the issue of whether access to pay TV content (discussed in more detail later), local council practices and access pricing by power utilities to their poles might frustrate the rollout of new broadband networks. The Commission proposes remedies for these potential problems; and
- reiterates the need to amend regulations in broadcasting (particularly anti-siphoning and multi-channelling) that reduce the scope for effective competition in telecommunications services.

*Finally, as far as possible access regulations should be consistent across industries.* Differences in access regimes should exist only when justified:

- the Commission recommends that the objectives, principles and processes of Part XIC should only differ from the national access regime (Part IIIA) where that can be justified. The Commission makes a number of recommendations that bring the two Parts of the TPA closer together.

These regulatory strategies are intended to make the regime as tightly focused and light-handed as possible.

There is also a need for reform of the processes governing access. Current processes for determining access terms and conditions are resource-intensive, slow and inefficient, reflecting the failure of undertakings as a mechanism and the predominance of lengthy bilateral arbitrations between conflicting parties. Gaming permeates the operation of the regime, as parties strategically try to exploit the procedures to their advantage. An efficient regime must try to anticipate and mitigate such gaming.

The Commission recommends a range of options for greater regulatory efficiency:
• pricing principles that spell out the criteria for regulatory pricing decisions should be included in legislation — both to reduce uncertainty by parties and also to encourage more efficient pricing. The Commission’s approach to pricing principles recognises that the pricing rules that would be appropriate in a first-best world may not be efficient when other regulations (such as line rental price controls) distort markets or prices. The Commission also recommends that the ACCC indicate the broad pricing method that will apply to a service as part of the declaration inquiry — this would help provide greater certainty to access providers and seekers;

• some form of multilateral price setting so that a group of access seekers can resolve their conflicts with an access provider simultaneously;

• a binding time limit of four months for interim determinations so that entrants can get access to bottleneck telecommunications services quickly;

• some practical guidelines for determining costs that should reduce uncertainty by all parties and which should allow determinations to be updated quickly, so as to stop repeated cycles of burdensome process; and

• a range of amendments that reduce the scope for gaming and deal with the ambiguity that arises with some existing provisions.

Although they add to delays, the Commission does not favour eliminating appeals against final determinations, nor reducing the scope of evidence that can be put to them. Such appeals are critical where regulatory decisions have such importance for investment incentives and efficiency for access seekers and providers. They recognise the sizeable potential for regulatory error and provide an incentive for the regulator to maintain balance in its decisions. However, the Commission also recommends that an indicative time limit should be placed on the Australian Competition Tribunal so that appeals can be resolved in a timely way.

Given the intrusiveness of declaration, the Commission also considers that declaration should have the scope for an appeal, but that such an appeal should not stay other processes under Part XIC. In this way, accountability and speed can be jointly achieved.

Guiding or reference access prices may help the transparency of the access regime, while still allowing bilateral negotiations where parties so wish.

The Minister for Communications, Information Technology and the Arts has the power to make access pricing determinations. This is a vestigial power from the previous more prescriptive regulatory regime, and lacks the accountability and transparency of good regulatory policy. The Commission recommends the removal
of the discretion for Ministerial pricing determinations or, as a less preferred arrangement, a requirement for publishing reasons for pricing decisions.

The vexed issue of pricing

No area of infrastructure economics is probably as controversial as access pricing. Mistakes in setting the level and structure of access prices can have significant adverse implications for consumers and overall economic efficiency.

Excessively high access prices discourage service-based competition and lead to excessively high retail prices, less product variety and the potential for inefficient duplication of facilities.

Excessively low access pricing produces its adverse effects gradually, but its long-run welfare implications can be worse than where access prices are high. With low access prices, in the short term there would be ample entry of service-based providers into telecommunications markets to take advantage of cheap interconnection charges, with significant downstream investment. Consumers would face low final prices for services. This can occur because much of the huge cost of providing telecommunications services is sunk into trenches, copper wire and switches that cannot be used for any other purpose. Once the poles, holes and wires are in place, the actual costs of running a network are quite small. But if access prices remain too low, in time a long-run crisis in provision of telecommunications services will appear — no firm (including the incumbent) will make core network investments if it cannot expect a reasonable return on capital. Consumers will be worse off if there is no service or poor quality congested services than if the service is provided at higher prices.

Accordingly, access pricing is a balancing act that tries to avoid the dangers of either error — a theme that is also central in the Commission’s parallel inquiry into the national access regime. But errors are inevitable — especially for the extraordinarily complicated networks used in telecommunications. Given the long-run consequences, the ACCC should try particularly to avoid large errors on the low side and closely monitor the basic network (the public switched telephone network or PSTN) for any reduction in investment or service quality.

The Commission considers that the ACCC’s current methodology for calculating costs for PSTN services underestimate efficient long-run costs (and access prices), but that the effect this has on investment and efficiency are offset — in the short run — by the effects of downstream market power by the incumbent.
For the core PSTN, the risks of adverse investment effects from the ACCC’s regulated access prices are currently not likely to be significant, although they may become more pronounced over the medium run as competition further develops in downstream markets. For prospective new facilities — such as a new generation mobile network — the risk of future declaration and uncertain regulated pricing may delay or deter investment.

The structure of access prices is also very important. Currently, most access prices are set as per minute or per call charges, when ideally access prices should allow for more flexibility, such as a flat charge and a variety of use charges (so-called multi-part tariffs). The Commission suggests some ways in which a better structure for access pricing might be achieved.

Some of the inefficiencies in access and access pricing are the unintended consequence of social regulations. As a result of retail price regulations, the costs of Telstra’s local lines cannot be wholly recovered from users — the ‘access deficit’. This is funded through usage and access charges, with adverse impacts on efficiency. The ACCC’s report into price controls recommended their removal (and the use of better targeted measures), and the Commission agrees. Over the transition period, the Commission also advocates a less distortionary way of funding the access deficit by collecting contributions from carriers through a levy — as for universal service obligations.

**Regional issues**

There is less competition in regional areas than in metropolitan areas. This stems from the high cost of duplicating facilities and more dispersed demand. However, there is a range of telecommunications services in regional Australia and new ones are developing:

- the three main mobile carriers provide coverage of up to 97 per cent of the population, and satellite services offer 100 per cent coverage;
- regional areas have more comprehensive pay TV content, via Austar’s services, than metropolitan areas;
- satellite services are also being used to provide high speed internet; and
- in some regional cities — such as Mildura, Ballarat, Canberra and Cooma — cable networks are being or have been rolled out.

However, new networks and smaller pay TV companies face difficulties in obtaining access to content, which may frustrate the rollout of cable networks. The main pay TV companies are linked by contracts or ownership to content supply and
to the provision of telecommunications services. This provides the incentive and the means to use the control of content to limit competition in pay TV and related telecommunications markets by reducing the commercial viability of new or proposed delivery platforms.

The major likely consequence of any denial of content is delay in the availability of very high bandwidth facilities in regional Australia, weakened competition in basic telephony and less product innovation (for example, less scope for unbundling of pay TV channels). While a definitive diagnosis of the severity of the problem is difficult because the industry is new and developing and alternative platforms for broadband services and sources of content are emerging, the Commission considers that a problem exists.

Existing potential remedies, such as Part IV of the TPA (or indeed, Part XIB) probably would not suffice as an instrument to tackle this issue. However, other policy interventions — such as prohibitions on exclusive or discriminatory supply arrangements between program suppliers and pay TV operators — involve extensive regulation. Such regulation has uncertain, but potentially dramatic effects on the pay TV industry’s structure, may not be warranted by the scale of the problems so far apparent and may not effectively remedy the difficulties being faced by regional networks. Given the development of video on demand and other internet-based content, the basis for intervention may also lessen.

That said, the Commission does have concerns about the potential anti-competitive effects of control of pay TV content. It recommends that the ACCC report publicly and annually on the state of competition in the relevant markets and investigate and report on instances where new networks are having difficulty accessing content or pay TV services. The Government should signal a clear intent to legislate if there is evidence from the ACCC’s reports of a sustained threat to effective competition in either the pay TV or a telecommunications market as a result of the control of pay TV content. This additional role for the ACCC should be subject to sunset provisions.

The Commission also reiterates the findings of its broadcasting report that there are major flaws in the regulation of multichannelling and anti-siphoning with effects that flow on to telecommunications in regional and other areas.

The universal service obligation (USO) also has significant regional implications. Under the USO, all Australians are guaranteed a certain standard of telecommunications service at a reasonable cost, regardless of where they live. The cost deficit is currently funded by Telstra, with reimbursement by a levy on carriers, including Telstra itself. However, there have been large discrepancies between the estimates of the size of the USO to be funded, inconsistency between the methods
used for pricing access and calculating the USO, and a concern about the transparency and accountability of the process. This raises potential risks for competitive neutrality and efficiency if the estimates are significantly different from the actual costs of provision. The Commission recommends that power to determine the aggregate universal service levy lie with the ACA, rather than the Minister, with provision made for full merit review of determinations by the Australian Competition Tribunal.

Telstra is currently the only universal service provider, but new arrangements that may encourage competitive provision have been introduced. However, they also have the risk of distorting competitive neutrality and efficiency. The Commission recommends that, as part of the evaluation of these new arrangements, consideration be given to the possible advantages and disadvantages, and practicality, of a market-based tendering process for encouraging efficient competition in the provision of universal service. It has discussed options that may allow for more appropriate market-based contestable provision of the USO.
Recommendations

[Note: 5.1, for example, refers to the first recommendation in chapter 5.]

Anti-competitive conduct

5.1 The Commission recommends that the anti-competitive conduct provisions of Part XIB of the TPA be retained, subject to the introduction of an appeal mechanism such as that proposed in recommendation 5.2. [page 188]

5.2 The Commission recommends that Part XIB of the TPA be amended to allow for appeal against the merits of a competition notice, even after its withdrawal. [page 193]

5.3 The Commission recommends that Part XIB of the TPA be amended so that a Part B competition notice no longer constitutes prima facie evidence of the matters set out in the notice. [page 196]

5.4 The Commission recommends that the ACCC be required to issue a public report for all allegations of anti-competitive conduct that proceed beyond the ‘reason to suspect’ phase into the investigative phase. Each report should include a justification of the use of Part XIB in preference to other possible regulatory mechanisms such as Part XIC. [page 197]

5.5 The Commission recommends that the ACCC be required to develop and publish, after public consultation, guidelines for deciding which regulatory mechanism is most appropriate in particular cases. [page 198]

5.6 The Commission recommends that the ACCC include a much greater range of information about activity under Part XIB in its annual publication on ‘Telecommunications competitive safeguards’ or, at least annually, in some other suitable public document. [page 198]

5.7 The Commission recommends that Part XIB of the TPA be amended so that damages are not restricted to conduct that occurs while a competition notice is in force and that action for damages is allowed irrespective of whether a competition notice is in force. [page 199]
5.8 The Commission recommends that the maximum penalty for delay in providing information under section 155 of the TPA be increased substantially. [page 201]

5.9 The Commission recommends that the anti-competitive conduct provisions of Part XIB of the TPA be reviewed within a timeframe of three to five years. [page 202]

Information provisions and reporting requirements

6.1 The Commission recommends that the information provision and reporting requirements of Part XIB of the TPA be reviewed in association with the review of the anti-competitive conduct requirements of Part XIB proposed in recommendation 5.9. [page 216]

Rationale for access

8.1 The Commission recommends the retention of provisions for a telecommunications-specific access regime. However, its objectives, principles and processes should adopt those in Part IIIA wherever possible. [page 253]

Scope of the access regime

9.1 The Commission recommends that:

- the objects clause in s. 152AB(1) of Part XIC of the TPA be changed from the long-term interests of end-users to ‘The object of this Part is to promote economically efficient use of, and investment in, telecommunications services’; and

- the relevant sections of the Telecommunications Act 1997 be amended so as to adopt the new objects clause in Part XIC. [page 260]

9.2 The Commission recommends that Part XIC should be amended so that where a non-dominant network sets an ‘unreasonable’ terminating charge, the provider of a declared service can charge a fee to the terminating party for terminating on that party’s network, with that fee subject to arbitration by the ACCC. [page 277]
9.3 The Commission recommends the adoption of stringent new declaration criteria, crafted to achieve the following intention:

The ACCC may not declare the telecommunications service of a carrier or carriage service provider unless it is satisfied of all of the following matters:

(a) that access (or increased access) to the service would promote a substantial increase in competition in at least one telecommunications service;

(b) that there is enduring market power in the service;

(c) that the service is of national significance, having regard to:

   (i) the consideration that provision of a similar service in a number of smaller areas can be jointly described as a ‘service’;

   (ii) the importance of the service to the national economy;

(d) that access to the service can be provided without undue risk to human health or safety; and

(e) that access (or increased access) to the service would not be contrary to the public interest. [page 282]

9.4 The Commission recommends that s. 152AB(4) in Part XIC be amended to provide more explicit guidance to the ACCC to the matters to which it should have regard when making an assessment of competition and market power in a declaration inquiry. [page 283]

9.5 The Commission recommends that there be scope in Part XIC for the ACCC to issue a binding ruling that the services provided by a prospective investment would not meet the declaration criteria. In that instance, the services concerned would be exempt from declaration.

A telecommunications infrastructure provider should have rights of appeal to the Australian Competition Tribunal against a determination of the ACCC.

A ruling should apply in perpetuity unless the ACCC could demonstrate that circumstances had materially changed. Such revocation should be appealable to the Australian Competition Tribunal. [page 286]

9.6 The Commission recommends that, on the completion of a declaration or revocation inquiry, the ACCC may use formal price monitoring for a fixed period as an alternative to existing regulatory options. [page 297]
9.7 The Commission considers that s. 152AS(4) and s. 152AT(4) should be amended so that the ACCC must grant an exemption to a carrier from declaration unless it is satisfied that the declaration criteria are met for the services subject to the exemption request. [page 298]

9.8 In addition to the existing revocation mechanism under s. 152AO, the Commission recommends that Part XIC of the TPA should include an explicit provision for sunsetting declaration. The maximum life of any given declaration should not exceed five years unless a further inquiry recommends its extension, but there should be scope for earlier sunsetting based on:

- a shorter pre-specified period; or
- the achievement of pre-specified observable conditions based on the declaration criteria.

Six months prior to the sunsetted expiry of a declaration, the ACCC could seek public comment on whether re-declaration may be required and conduct a new declaration inquiry.

If no inquiry takes place or the inquiry concluded against declaration, then at the sunset date, the declaration would automatically lapse. [page 300]

9.9 The Commission recommends that where a service has expired or becomes of residual importance, declaration may be revoked by the ACCC without a full public inquiry. [page 301]

Telecommunications access: evaluating institutions and processes

10.1 The Commission recommends the retention of one regulator to conduct declaration inquiries and oversee arbitration under Part XIC. [page 306]

10.2 The Commission recommends that the ACCC remains the appropriate body to oversee telecommunications-specific competition regulation under Parts XIB and XIC of the TPA. [page 308]

10.3 The Commission recommends the removal of the discretion for Ministerial pricing determinations under Division 6 of Part XIC of the TPA. If this is not accepted, published reasons for any Ministerial pricing decisions should be required. [page 312]
10.4 The Commission recommends the abolition of the Telecommunications Access Forum. [page 314]

10.5 The Commission recommends that s. 152CPA(3) of Part XIC of the TPA — which does not permit the ACCC to make an interim determination if an access seeker objects to it — be repealed. [page 318]

10.6 The Commission recommends that s. 152CN(1) of Part XIC of the TPA be modified to allow notifications by an access provider or seeker to be withdrawn only with the joint consent of the access provider and seeker. [page 320]

10.7 The Commission recommends amendment of the appeals process for undertakings (s. 152CE of Part XIC of the TPA) so that it mirrors the appeals process for final determinations (s. 152DO of Part XIC of the TPA). [page 324]

10.8 The Commission recommends that there should be the capacity under Part XIC of the TPA for class arbitration for bilateral disputes that have a sufficient degree of commonality. [page 328]

10.9 The Commission recommends that:

1. The ACCC must make an interim determination within four months of the date of the notification of a dispute; and that s. 152CPA(5) of Part XIC of the TPA be amended so that:
   
   (a) interim determinations remain in force for no longer than six months; and

   (b) this period can only be extended if a public request stating reasons is agreed to by the relevant Minister.

2. S. 152DO should be amended so that the ACT has a four month target time limit for completion of an appeal of a final determination after lodgement of the appeal. If the Tribunal wishes to extend a target limit in a particular case, it should be required to publish notification to that effect in a national newspaper with reasons. [page 334]

10.10 The Commission recommends that the ACCC should exercise its discretion in allowing the arbitrator to use and disseminate to contesting parties in an arbitration relevant material submitted in other telecommunications access arbitrations, subject to the requirement that the ACCC has regard to the material’s potential commercial sensitivity. [page 335]
10.11 The Commission recommends that there be provision for the ACCC to publish an indicative price range that reflects the outcomes of an interim or final determination, so that other parties are in a better position to negotiate commercially. [page 338]

10.12 The Commission recommends that merit review of final determinations by the Australian Competition Tribunal be retained, but that provision for backdating of an appeal determination should be clarified by cross referencing to the Commission’s proposed amendment to s. 152DNA of Part XIC. [page 343]

10.13 The Commission recommends that declarations be subject to a merit appeal process, but the appeal should:

- be lodged within 21 days after the Commission has made its decision;
- be limited to four months; and
- not stay other processes under Part XIC, with the exception of the capacity of the ACCC to make a determination under an arbitration. [page 345]

10.14 The Commission recommends that s. 152CQ(1)(a) and (b), and s. 152AR(4) be amended so that the relevant time for assessing ‘reasonably anticipated requirements’ is the date at which the access request was made, as determined by the ACCC after consultation with the access seeker and provider. [page 348]

10.15 The Commission recommends that the words ‘some or all of the costs’ in s. 152CQ(1)(f) be amended to ‘an unreasonable amount of the costs’. In deciding what was ‘unreasonable’ the ACCC would consider whether:

- it was inconsistent with the objects clause of Part XIC;
- it was possible or efficient for the enhancements being sought by the access seeker to be owned by the access seeker;
- investment in the enhancements (by a party other than the access seeker) is economically inefficient; and
- the access provider would not be able to recover the full costs of enhancements it was required to make. [page 349]

10.16 The Commission recommends the repeal of s. 152EF(1)(b). [page 350]
10.17 The Commission recommends that:

(a) the ACCC produce a published method for calculating any backpayment under s. 152DNA of Part XIC of the TPA, which should include the provision for payment of interest and indicate how the appropriate time period for backpayment should be gauged;
- while, as now, limiting backpayment to a date no earlier than the date of notification of the access dispute concerned.

(b) s. 152DNA specify that an access price consistent with the published method should be backdated and that obligations to pay backpayments should not discriminate between access seekers and providers.

[page 356]

Access pricing

11.1 The Commission recommends that a new section be included in Part XIC of the TPA.

1. The ACCC in seeking to reduce access prices that are inefficiently high, must also have regard to the following principles:

(a) that regulated access prices should:

(i) be set so as to generate expected revenue across a facility’s regulated services that is at least sufficient to meet the efficient long-run costs of providing access to these services;

(ii) include a return on investment commensurate with the regulatory and commercial risks involved;

(iii) generate revenue from each service that at least covers the directly attributable, or incremental, costs of providing the service; and

(iv) reflect any uncompensated costs associated with imposed community service obligations.

(b) that the access price structures should:

(i) allow multi-part tariffs and price discrimination when it aids efficiency; and

(ii) not allow a vertically integrated access provider to set terms and conditions that discriminate in favour of its downstream
operations, except to the extent that the cost of providing access to other operators is higher.

(c) that access pricing should provide incentives to reduce costs or otherwise improve productivity.

2. Where there is a conflict between any pricing principle and the objects clause, (s. 152AB(1)), the objects clause has precedence. [page 391]

11.2 The Commission recommends that the ACCC commence a revocation inquiry for GSM services once the Commission’s new declaration criteria are in place. The declaration of CDMA services should be postponed until the completion of the GSM revocation inquiry. [page 405]

11.3 The Commission recommends that in its inquiry report into declaration the ACCC indicate the broad pricing method that will apply to a service. [page 407]

11.4 The Commission recommends that there be public disclosure by the ACCC of the costing methodologies on which arbitrations are based and the justification for the approach adopted. This need not include publication of the prices associated with particular arbitrations or of particular commercial-in-confidence cost parameters. [page 411]

11.5 While recognising the need to address any consequent social issues, the Commission recommends that the telephone line rental sub-cap that leads to the access deficit be removed. [page 415]

**Carrier licence conditions**

12.1 The Commission recommends that the legislative requirement for Industry Development Plans should be repealed. Existing plans should cease. [page 423]

12.2 While there are some inconsistencies between access to facilities under the Telecommunications Act 1997 and Part XIC in the Trade Practices Act, the Commission recommends the continuation of Parts 3 and 5 of the Telecommunications Act on pragmatic grounds, subject to a re-assessment of their need and scope in 2005. [page 434]

12.3 The Commission recommends that the ACCC monitor whether inefficient access pricing by power utilities to their poles is frustrating the rollout of new broadband networks. [page 437]
12.4 The Commission recommends that the procedures and obligations under the mandatory network information requirement should be aligned, regardless of the type of information being requested. [page 440]

12.5 The Commission recommends that the Ministerial pricing power under Part 3 and Part 4 of the Telecommunications Act 1997 be abolished. [page 441]

**Number portability**

14.1 The Commission recommends that the ACA should determine the criteria for when a pre-porting study is required. [page 463]

14.2 The Commission recommends that timeframes for complex ports be revised after 2002 and that carriers regularly provide the ACA with data on the time taken to process ports so that the ACA can monitor the timeliness of porting processes. [page 465]

14.3 The Commission recommends that the relevant test for deciding whether to introduce number portability for a given service is whether the economy-wide benefits to the community of requiring the service outweigh the economy-wide costs. Further, the Commission considers that the ACCC should have regard to both the objects clause and the declaration criteria when deciding whether to ‘declare’ a service portable. [page 467]

14.4 The Commission recommends that the ACCC inform parties of the pricing principles that it is inclined to apply, if required to arbitrate over terms and conditions, at the same time that it informs parties of their obligation to provide portability for a given service. [page 471]

14.5 The Commission recommends that any future decision to require portability for a given service, and the associated pricing principles, should be subject to merits review by the Australian Competition Tribunal. [page 473]

**Carrier pre-selection**

15.1 The Commission recommends that the ACCC be responsible for determining which services should be subject to pre-selection requirements, consulting with the ACA on technical matters. [page 481]

15.2 The Commission recommends that pre-selection as a service be subject to the new declaration criteria and therefore the requirement to provide pre-
selection should not be applied to new entrants that do not have market power. [page 489]

**Pay TV and regional telecommunications**

17.1 The Commission recommends that the ACCC be required to:

- report publicly and annually to the Government on the state of competition in the pay TV and related telecommunications markets; and
- investigate and report on instances where it is aware that proposed or new networks are having difficulty accessing content or pay TV services. [page 556]

17.2 The Commission recommends that the Government signal a clear intent to legislate if there is evidence from the ACCC’s reports of a sustained threat to effective competition in either the pay TV or a telecommunications market as a result of the control of pay TV content. [page 557]

**Universal service arrangements**

18.1 The Commission recommends that the evaluation of the contestability pilot program be based on the criteria of efficiency and competitive neutrality. As part of the evaluation, consideration should be given to the possible advantages and disadvantages, and practicality, of a market-based tendering process for encouraging efficient competition in the provision of universal service. [page 578]

18.2 The Commission recommends that power to determine the aggregate universal service levy lie with the ACA, rather than the Minister, with provision made for full merit review of determinations by the Australian Competition Tribunal. [page 579]