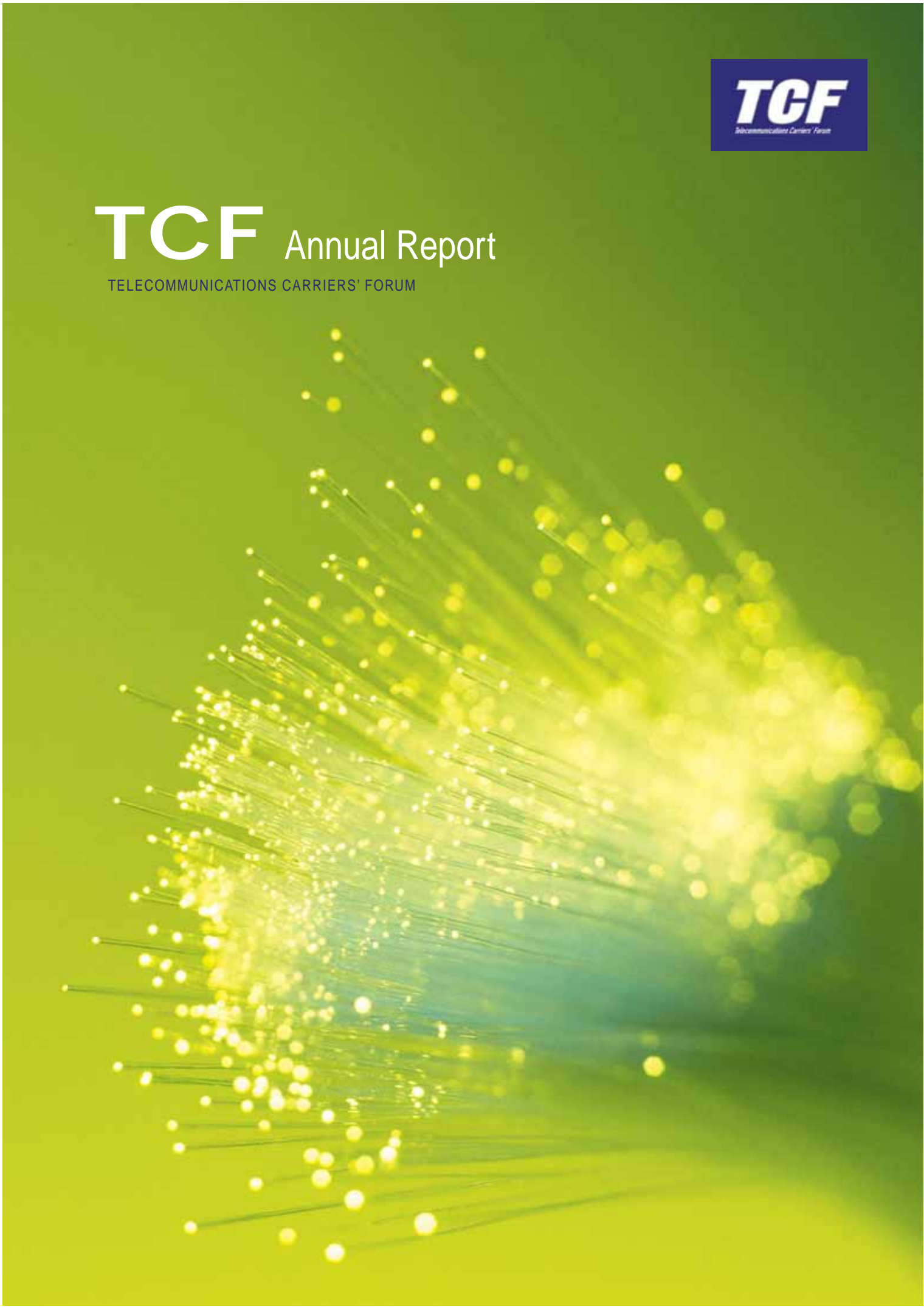




# TCF Annual Report

TELECOMMUNICATIONS CARRIERS' FORUM





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## Introduction from the Independent Chair

The TCF plays a vital role within the industry as it matures and takes more responsibility for regulating its own affairs. The importance of this role can be seen in the nature of our key activities in 2006, for example:

- development of local and mobile number portability
- development of a customer complaints code and a disputes resolution scheme
- preliminary work on the way local loop unbundling will be implemented so that an industry perspective can influence what Telecom is required to deliver
- finalisation of codes regulating the transfer of customers between service providers and the co-location of radio transmitting equipment on sites.

The TCF and its working parties have dealt with a huge volume of work in 2006, and the momentum continues in 2007. In addition, we have examined how we can more proactively deal with issues of concern to the industry, and will achieve this by appointing a full-time CEO. We have also examined ways in which we can work smarter and with more confidence about deliverables, and have made several improvements to the processes used by the TCF.


Those improvements extend to recognising that one critical factor in improving value for our members was to improve our communications. To that end, we developed a communications plan and this inaugural Annual Report is a very visible way we are putting our plan into action. Other improvements we expect to implement over the coming months include a revamped website, an upgraded e-broadsheet, and a smart new logo.

We trust that you will find quality information and good value in this inaugural Report. We want it to be a statement against which we will report back on our achievements and progress in future years. It will also serve as a guide to others on the work that the TCF does. Because our work in 2007 involves significant communications changes, this 2006 Report is relatively straightforward but you can expect that future Reports will be greatly expanded and informative to reflect the work being brought to the TCF by its members.

No matter what changes and improvements we may make to benefit our members, the purpose of the Forum will remain:

to encourage the efficient provision of regulated and non-regulated telecommunications services in order to promote competition in telecommunications markets for the long-term benefit of end-users in New Zealand.

I am happy to receive feedback on this Report or any of its contents, whether you are a member, a government or consumer representative, or simply interested in the work of the TCF.



Malcolm Alexander  
Independent Chair  
Telecommunications Carriers' Forum

## Board and Beyond: Key Players in the TCF

*Many dedicated people make the TCF an effective organisation.*

### The TCF Board

Board members in 2006 were:



**Malcolm Alexander**, Independent Chairperson

Malcolm has been the Independent Chair of the TCF since its inception in 2002. Malcolm has wide experience of self-regulatory governance models in the telecommunications, electricity and gas markets. He is currently General Manager Corporate Affairs for Genesis Energy responsible for Business Strategy, External Affairs, Regulatory Affairs, and Corporate Environmental Policy including climate change. A competition lawyer by training, Malcolm's extensive experience in the telecommunications industry is invaluable to his leadership role in the TCF.



**Steven Rudd**, CallPlus

Steve has been a Group Member representative as well as representing CallPlus. Steve is the CFO at CallPlus with additional responsibilities in governance, regulatory and related matters. Previous experience in industry policy, regulatory matters and competition issues has come from senior executive strategy and finance roles in both telecommunications and energy sectors. He holds a Bachelor of Mathematics and is a chartered accountant. Steve recently handed the TCF role to Graham Walmsley, also from CallPlus, to continue this work.



**Scott Bartlett**, Orcon Internet

Scott is the other Group Member representative. Scott is the General Manager of Operations and Regulatory Affairs for Orcon and a Vice President of ISPANZ (Internet Service Providers Association of New Zealand). Prior to joining Orcon Scott was the General Manager of Quik Internet. Scott has been responsible for negotiating large intra-industry agreements and brings international and forward-looking network experience to the TCF. Scott holds a business degree majoring in e-Commerce and postgraduate diplomas in Systems and Accounting.



**Matt Crockett**, Telecom

Matt has been the General Manager of Telecom Wholesale, which provides wholesale network services across New Zealand, since 2006. He was previously General Manager for Telecom's Wired Division where he oversaw their retail fixed line voice, data and internet businesses. Before this, he was Head of the New Zealand Market Strategy team, covering both fixed and mobile retail strategy. Prior to joining Telecom in 2003, Matt was at global management consulting firm McKinsey & Company for seven years where he was responsible for client relationships and projects across multiple industries. He holds a Master of Philosophy in Management, majoring in Finance and Organisational Behaviour.



**Chris Abbott**, TelstraClear

Chris has been the Group Manager Regulatory at TelstraClear since September 2006. He has considerable experience in telecommunications regulation, having worked as a chief adviser at the Commerce Commission prior to joining TelstraClear. Chris has also previously held a number of roles at American International Group in the United Kingdom and New Zealand. He holds a Masters of Commerce.



**Tom Chignell**, Vodafone

Tom joined Vodafone in 2000. He looks after the regulatory, government relations, industry relations and developing wholesale areas. Prior to Vodafone, Tom worked in an executive role in the New Zealand electricity industry. In the UK, he spent 12 years with British Telecom in a variety of roles including five years on mergers and acquisitions. It was in this last role that Tom managed British Telecom's initial investment in CLEAR Communications in 1996. Tom holds degrees in Mathematics, Computing Science, and Business Administration.



**Ernie Newman**, TUANZ  
(non-voting representative)

Ernie has been Chief Executive of TUANZ, the Telecommunications Users Association of New Zealand Inc, since 1999. In that role he has represented TUANZ on a number of external organisations including the TCF and the Number Administration Deed. He is a Board member of the International Telecommunications Users Group, and was its Chairman for 2002-2005. In his TUANZ and INTUG roles he has presented to numerous international conferences in the USA, Japan, India, Switzerland, France and the United Kingdom. He is a regular participant in APECTel, the telecommunications and IT working group of APEC.

The Forum can facilitate dialogue on industry issues of common interest, but it takes a representational role in public or policy debates only with its board's approval. New members may join the Forum at any time under a tiered membership structure.

*Other key people who contributed to TCF operations include:*



#### Susan Wells

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Susan Wells is the Forum Administrator. Susan has been closely involved in the TCF since its inception and has previously held a position on the TCF Board and a number of its working parties. Her prior experience was with TelstraClear as an Industry and Regulatory Advisor. Susan's extensive experience in the industry and with the TCF adds enormous value to the role of Forum Administrator as the organisation continues to evolve.

#### Gillian Clark

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Gillian Clark of Synergy is the Number Portability Project Manager. Gillian has over 24 years' experience in the IT industry, including a number of senior positions in multinational organisations where she managed many complex projects. Her skills have been used by ABN Amro (UK), DocuCorp EMEA (UK), Halifax Cetelem Credit (UK and France), Mobil Oil Corp (New York) and UCB Group (UK).

#### Tony Baldwin

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Tony Baldwin is the Independent Chair overseeing the LLU and NDSL working parties. Tony is a legal and regulatory specialist with recognised expertise in industry chair roles.

## Membership

Members are all telecommunications carriers:

**Tier One** members are Forum members who each fund more than 2% of the Telecommunication Commissioner's costs.

**Group** means all members of the Forum except Tier One members, and consists of Tier Two and Tier Three members, where:

**Tier Two** members means Group members who are liable to pay costs towards a Telecommunications Service Obligation or liable to fund a portion of the Telecommunications Commissioner's costs.

**Tier Three** members means Group members who are not liable to pay either the costs towards a Telecommunications Service Obligation or liable to fund the Telecommunications Commissioner's costs.

In 2007, the TCF will conduct a review of its membership structure to ensure that it meets the needs of current and future members. Any feedback on changes to the structure can be directed to the TCF's Forum Administrator.

## Key Results for 2006 and Progress in 2007

*We are pleased to report on the following key achievements for our major projects and information on some of the key deliverables for 2007. The below results are the culmination of many months, and in some cases years, of hard work. Sincere thanks are due to the members of all our working parties. They contribute their time and expertise to further the aims and goals of the TCF to the benefit of all telecommunications end-users.*

### Local Mobile Number Portability (LMNP)

**Key result:** successful nationwide implementation on schedule

This historically significant project has become a benchmark in New Zealand of intra-industry cooperation for the benefit of consumers and enhancement of competition. LMNP allows customers to retain their existing local or mobile phone number when they switch telecommunications providers. Research indicates that New Zealand was unusual in its approach to launching both mobile and local portability simultaneously, adding another layer to an already complex project.

In this project, the TCF engendered intra-industry cooperation, facilitated the nuts and bolts of a project of enormous size and cost, supplied administrative and management support, and most importantly, provided the leadership needed to get LMNP developed, tested, and implemented. As evidenced on 1 April, the TCF and the industry succeeded when LMNP went live on schedule throughout New Zealand.

LMNP had languished for some time under another industry governance board before the TCF took on its leadership role. The magnitude of the project, the disparity of size among industry players, and the level of competition within the industry were only some of the obstacles that had limited the progress of the project before the TCF assumed its role. Added to those challenges were the technical issues and the cost of investment by the industry, which created an environment where the TCF had to work hard to reinvigorate the telecommunications industry to make LMNP a reality.

### Key attributes of the IPMS

The Industry Portability Management System (IPMS) facilitates number portability between service providers and carriers but relies on carriers to configure and update their networks and support systems to ensure calls to and from ported numbers are correctly routed.

The centralised architecture comprises:

- a ported number database containing the Ported Number Register
- a Number Portability Management System, containing the business rules, logic and systems for managing port requests
- an applications programming interface (API) for a consistent transactional interface with carriers and service providers to the IPMS
- a web server providing HTTP service interface for browser-based sessions using the same rules and capabilities that the API uses
- management applications, reporting, logging, and security reports.

### Overcoming technical issues

The technical programme for LMNP had to be developed in consultation with industry members. Some of the most significant technical challenges across the industry included:

- different networks supported different standards and protocols for call handover and anti-recirculation methods
- carrier IT platforms were different and required new flexibility for interconnection with the IPMS
- acceptance testing for the IPMS highlighted the critical need to differentiate between IPMS attributes and individual carrier attributes (or in some cases, carrier business approaches)
- revising software for the IPMS was complex, especially with concurrent releases to all eight parties to the Number Portability Determination
- aligning use of the system among the eight different parties was a challenge all on its own.

### LMNP benefits

The clearest and most immediate benefits are to consumer and business customers, who can keep a preferred telephone or mobile number even when they move locally or change their mobile provider. In particular, small businesses – which make up most of New Zealand's businesses – can expect to realise an immediate benefit: they will be spared the relatively high cost of replacing business cards, letterhead, and other types of collateral because they will not have to advertise a new number. And they will not lose customers who keep only one number for their company.

Another benefit has resulted for the telecommunications industry: LMNP has created a stronger industry forum in the TCF, which has proven it can deliver a project of this size on time. Under the auspices of the TCF, the industry has proven that it can work together with dedication and timeliness, which bodes well for the competitive health of the market and continued benefits to all consumers. New parties to the Number Portability Determination will join the project in 2007.

### Local Loop Unbundling (LLU) and Unbundled Bitstream Access (UBA)

**Key results:** Phase One LLU/NDSL technical and operational standards report released;  
Phase Two assistance on Telecom's Standards Terms Proposals commenced

LLU is a requirement on Telecom to allow other service providers to access and use the copper circuit from the telephone exchange or roadside cabinet to the customer premises. Regulation of LLU services was proposed in the Telecommunications Amendment Bill introduced into Parliament in June 2006. It will significantly benefit not only industry, but New Zealand consumers and businesses as well.

In anticipation of the introduction of LLU and UBA, industry needed to develop a coordinated approach to the operation of services over Telecom's network to minimise the risk of interference between different services. The development of performance requirements governing network deployment and compatibility will benefit all end-users, as it will reduce the likelihood of interference and service incompatibility. In July 2006, industry agreed that two TCF working parties would be established to take the new services forward: an Operational Standards Working Party and a Technical Standards Working Party. In September, Tony Baldwin was appointed as the independent chair to oversee the two Working Parties.



The Operational Standards Working Party and Technical Standards Working Party released their Phase One report in December 2006 specifying the technical, operational and business requirements to be developed in accordance with the Standard Access Principles in the Telecommunications Act. The Phase One report was very well-received by the Commerce Commission, who congratulated the TCF on the timely delivery of such a comprehensive report and acknowledged that it will underpin their own processes in relation to LLU and UBA.

In March 2007, the two working parties were reconstituted to form five new working parties:

- Local Loop Unbundling Lines Working Party
- Unbundled Bitstream Access Working Party
- Co-location Working Party
- Backhaul Working Party
- Interference Management Working Party.

These Working Parties commenced work on Phase Two of the project, which is to undertake the following in relation to the aspect of the service they are focusing on:

- understand the range of views of working party members on technical and operational aspects of the services
- seek to reach agreement in a timely manner on the key technical and operational aspects of the services, including relevant provisions for any operations manual
- document what has been agreed, and where agreement has not been achieved, document the degree of any disagreement, including the key points of disagreement by respective parties as discussed in the TCF context
- invite Telecom to, as far as possible, reflect the agreed views in its Standard Term Proposals to the Commerce Commission
- prepare TCF submissions to the Commerce Commission.

The working parties' output in Phase Two will work in with the Commerce Commission's timetable on the Standard Terms Determinations for LLU Lines, Co-location, UBA and Backhaul.

## Customer Complaints Code and Disputes Resolution Scheme

**Key results:** on-schedule development of high-level industry service standards and a new telecommunications alternative dispute resolution; appointment of new governing council

The TCF officially endorsed the Customer Complaints Code and the Telecommunication Disputes Resolution Scheme (the Scheme) at a special Board meeting in December. The Code governs the handling of customer complaints by service providers and sets out the principles and rules to be followed in dealing with consumer complaints relating to their telecommunications services which cannot be resolved through their service provider's internal procedures.



The development of the Scheme has involved extensive input and feedback from both industry members and consumer stakeholders. It will be primarily run by an independent Scheme Agent who will report to a Governing Council which will have fifty percent consumer representation. The Scheme will be open to all service providers who provide telecommunications services to consumers. This project represents the TCF's commitment to consultation with consumer representatives and the broad industry like-mindedness in its approach to resolving customers' issues.

The work accomplished in 2006 regarding the Code and Scheme Terms of Reference positioned the project to advance to finalise the Governing Council and Scheme Agent appointment (anticipated in July 2007).

### **Governing Council**

#### *Consumer representatives*

Bill Bevan, Patrick Hanley, and Merv Altmments were appointed as consumer representatives on the Council by a selection panel comprised of representatives from the Consumers' Institute and TUANZ. The fourth Consumer Representative, appointed by the Ministry of Consumer Affairs, is Shelley Dew-Hopkins. Merv Altmments has been elected as the interim Chair.

#### *Industry representatives*

The four Industry Representatives are:

- Laura Chamberlain (Vodafone)
- Scott Bartlett (industry representative for all other industry members)
- Toni Rasmussen (TelstraClear)
- Tania Shackleton (Telecom).

### **Signatories**

Letters of intent to become a member of the Scheme have already been received from:

- CallPlus
- ihug
- Kordia
- Orcon Internet
- Telecom
- TelstraClear
- Vector Communications
- Vodafone
- WorldxChange Communications.

## Electronic Number Mapping (ENUM)

**Key result:** delivery of an ENUM report

ENUM is the mapping of a telephone number from a public switched telephone to internet functionalities. The ENUM Working Party prepared a report in May 2006 on issues for New Zealand telecommunication carriers and their customers, and to recommend the next steps forward for the TCF. ENUM would essentially provide access to a wide range of contact details for an organisation or person, thus easing introduction of services such as VoIP. It could be used to unify numbering across the Public Switched Telephone Network (PSTN) and an Internet Protocol (IP) network.

## Customer Transfer Code

**Key result:** two Codes approved

The regulated version of the Customer Transfer Code was approved by the Commerce Commission in October and the non-regulated version was endorsed by the TCF in November. The Codes set out practices that telecommunications providers must comply with whenever a customer requests a transfer of its telecommunications services. The Customer Transfer Code represents the first time that the industry has outlined in writing its procedures in relation to customer transfers between telecommunications providers.

The signatories to the non-regulated Code are:

- ihug
- Telecom
- TelstraClear.

## Radiocommunication Co-location

**Key result:** Code approved by the Commerce Commission

The Radiocommunication Co-location Code was approved by the Commerce Commission after undergoing significant review and revision throughout 2006. The Code outlines the process which must be followed in situations involving co-location on cellular mobile transmission sites and for fixed telecommunications services at sites used by Kordia (previously known as Broadcast Communications Limited). The revised Code includes a Master Co-location Agreement.

## Co-siting Code

**Key result:** Code to be completed by August 2007

The Co-siting Code will leverage off the relevant terms of the Radiocommunication Co-location Code. Co-siting is a situation in which an operator wishes to locate equipment on a property in which another operator has radio equipment but where the property is not controlled, owned or leased by that second operator. The rules governing co-siting will be included in a non-regulated code because co-siting does not fall within the definition of co-location as set out in the Telecommunications Act 2001.



## Information Reporting

**Key result:** [statistics agreed; consultation initiated with Statistics New Zealand](#)

The Information Reporting Working Party was established in July 2006 to investigate coordinating responses to multi-carrier information requests from organisations such as OECD and Statistics New Zealand.

This working party is developing a set of industry statistics that would be published, without compromising the commercial confidentiality of carriers, for organisations like the ITU and the OECD so they may access these statistics for their own international comparisons. Establishing processes for collating such information will also improve consistency of information and lower compliance costs across the industry. The intention is that Statistics New Zealand will add the statistics to existing surveys and publish the results.

## Internet Anti-spam

**Key result:** [Code to be completed by September 2007](#)

Representatives from the TCF, InternetNZ and the Marketing Association formed a joint Working Party to develop an industry code of practice to reduce email spam. This working party is being facilitated by InternetNZ.

The Draft ISP Spam Code of Practice has been prepared and issued for consultation. With the passing of the Unsolicited Electronic Messages Act, the draft Code requires further review to ensure it is consistent with the Act and the Customer Complaints Scheme.

## Submissions

**Key results:** [successful submissions to Government](#)

### Telecommunications Relay Service Working Party

The Telecommunications Relay Service Working Party was established in June and made a submission on the Telecommunications Relay Service Stakeholder Review. This Working Party now provides an ongoing forum to discuss TCF ideas or concerns regarding the Relay Service and recommend action to be taken by the TCF.

### Telecommunications Amendment Bill

In September 2006 the TCF made its submission to the Finance and Expenditure Select Committee on the Telecommunications Amendment Bill. The TCF's submission focused on proposed amendments to the way regulated codes are developed and matters related to that process. While the TCF supported the general intent of the Bill in relation to the development of codes it did make comments to the Select Committee about the Bill in relation to:

- the Commerce Commission's role in code development
- the criteria for and definition of eligible persons
- enforcement of codes
- regulation-making powers.

## Telecommunications Carriers' Forum

**Key results:** Forum Administrator appointed; CEO to be appointed; communications and membership overhaul planned

With the introduction in 2006 of the Number Portability Project Manager, the LLU Chair, and the Forum Administrator, the TCF consolidated or enhanced many of its functions which enabled the Board and working parties to focus on their project work. The Forum Administrator also acts as a first point of contact for external parties, and the wider role encompasses managing communications (including the TCF website) and membership.

Improvements to communications are a key to the ongoing success of the TCF and will enable it to continue, and capitalise on, the goodwill developed with industry during 2006. Our plans include:

- redevelop and launch the TCF website
- recreate logo
- redesign Broadsheet
- improve efficiency of member communications.

We will continue to look for ways to increase value for members of the TCF, most importantly through the successful projects we lead. We also plan to:

- review membership structure
- increase membership
- improve member satisfaction.

The end result for the TCF in 2006 has been a more proactive organisation with many accomplishments under its belt, streamlined administration, and anticipation of even more action in 2007, including appointment of a new CEO for the TCF in July 2007.



## 2006 Financial Summary

### Statement of financial performance for the year ended 31 December 2006

	2006 \$	2005 \$
<b>Operating Revenue</b>		
Tier one member fees	278,484	335,272
Group member fees	35,482	37,253
Customer complaints scheme funding	61,556	0
Local loop unbundling funding	150,003	0
Number portability operating funding	176,148	0
Interest	11,852	11,712
<b>Total operating revenue</b>	<b>713,525</b>	<b>384,237</b>
<b>Workstream expenditure</b>		
SMS anti-spam code	0	1,012
Internet anti-spam code	0	1,462
Mobile content code	2,020	3,466
Customer transfer code	6,151	22,087
Customer complaints code	99,955	25,537
Constitutional review	9,626	34,027
Telecommunications Act review	4,145	0
Radio co-location code	22,997	9,667
ENUM working party	9,345	7,725
Enforcement	1,262	0
Telecommunications relay service	2,696	0
Information reporting	2,982	0
Local loop unbundling/UBA	177,109	0
Miscellaneous	2,088	1,125
Number portability	176,148	102,770
	<b>516,524</b>	<b>208,878</b>
<b>Operating expenditure</b>		
Forum chair	23,850	21,769
Forum administrator	128,516	115,425
Communications	20,368	19,241
Website	4,900	5,254
Miscellaneous	19,367	13,670
	<b>197,001</b>	<b>175,359</b>
<b>Total Expenditure</b>	<b>713,525</b>	<b>384,237</b>
<b>Net Surplus</b>	<b>0</b>	<b>0</b>

	2006 \$	2005 \$
<b>FUNDS EMPLOYED</b>		
<b>General funds</b>		
Number portability funding	1,338,708	104,669
Retained earnings	0	0
	<b>1,338,708</b>	<b>104,669</b>
<b>Current liabilities</b>		
Trade creditors	159,053	45,208
Payables accruals	6,990	0
GST owing	36,756	2,944
Income in advance	219,464	
Refund owing	23,679	47,317
	<b>445,942</b>	<b>95,469</b>
<b>Total funds employed</b>	<b>1,784,650</b>	<b>200,138</b>
<b>ASSETS</b>		
<b>Current Assets</b>		
Bank balance	854,114	195,551
Trade debtors	12,771	0
Withholding tax paid	0	4,587
	<b>866,885</b>	<b>200,138</b>
<b>Non-current assets</b>		
IPMS system (under construction)	917,765	0
	<b>917,765</b>	<b>0</b>
<b>Total Assets</b>	<b>1,784,650</b>	<b>200,138</b>

## Working Party Members

Working Party	Members
<b>Co-siting Working Party</b>	<ul style="list-style-type: none"><li>• Susan Wells (Project Leader and Forum Administrator)</li><li>• Susie Stone (Kordia)</li><li>• David Rauscher (NZ Communications)</li><li>• Mark Larsen (Telecom)</li><li>• Peter Nicoll (Vodafone)</li><li>• Tracy Watson (TelstraClear)</li><li>• Wendy Dodd (TelstraClear)</li><li>• Nick Clarke (Woosh Wireless)</li></ul>
<b>Customer Complaints Code Working Party</b>	<ul style="list-style-type: none"><li>• Anna Verboeket (Project Leader, Telecom)</li><li>• Laura Chamberlain (Vodafone)</li><li>• Garry Jones (ihug)</li><li>• Marci McComish (Orcon)</li><li>• Toni Rasmussen (TelstraClear)</li></ul>
<b>Customer Transfer Code Working Party</b>	<ul style="list-style-type: none"><li>• Rebekah Hyde (Project Leader, Telecom)</li><li>• Garry Jones (ihug)</li><li>• Craig Young (TelstraClear)</li><li>• Andrew Hamilton (WorldxChange)</li><li>• Céline Hugues (Vodafone)</li></ul>
<b>ENUM Working Party</b>	<ul style="list-style-type: none"><li>• Richard Jeffares (Project Leader, WorldxChange)</li><li>• Simon Paxton (CallPlus)</li><li>• Steve McCarthy (Compass Communications)</li><li>• Susie Stone (Kordia)</li><li>• Mark Corbitt (Telecom)</li><li>• Ritesh Prasad (TelstraClear)</li><li>• Gurpal Singh (Vodafone)</li><li>• Nick Clarke (Woosh Wireless)</li><li>• Brett Thomson (WorldxChange)</li><li>• Jennifer Neeley (Forum Administrator)</li></ul>
<b>Information Reporting Working Party</b>	<ul style="list-style-type: none"><li>• Doug Watt (Project Leader, Vodafone)</li><li>• Antony Srzich (Telecom)</li><li>• Tracy Watson (TelstraClear)</li><li>• Kester Gordon (Ministry of Economic Development)</li><li>• Anthony Morris (Commerce Commission)</li><li>• Clare Dobson (Forum Administrator)</li></ul>
<b>Internet Anti-spam Working Party</b>	<ul style="list-style-type: none"><li>• David Farrar (Chair, InternetNZ)</li><li>• Simon Lyall (InternetNZ)</li><li>• Keith Davidson (InternetNZ)</li><li>• Keith Norris (Marketing Association)</li><li>• Sylvia Devlin (Marketing Association)</li><li>• Steve Shearman (Touchpoint Marketing)</li><li>• Alistair Dixon (TelstraClear)</li><li>• Brett Robertson (Telecom)</li><li>• Anthony Hosking (Vodafone)</li></ul>



**Working Party****Members****LLU and UBA Working Party***(membership to be confirmed)*

- Tony Baldwin (Project Leader)
- John Butt (CallPlus)
- Mark Mackay (Orcon)
- Thomas Salmen (Orcon)
- Chris Dyhrberg (Telecom)
- Mike Moran (Telecom)
- Colin Foster (Telecom)
- Nicola Gaffaney (Telecom)
- Airihi Mahuika (Telecom)
- Tim Armitage (Telecom)
- Alan Mitford-Taylor (Telecom)
- Craig Young (TelstraClear)
- Wendy Dodd (TelstraClear)
- Michael Newbery (TelstraClear) (UBA only)
- David Robinson (Vector Communications) (LLU/Co-location)
- David Diprose (ihug/Vodafone)
- Sebastien Pham (ihug/Vodafone)
- Sathyendran Arasaratnam (Vodafone)
- Paul Clarkin (WorldxChange) (UBA only)
- John Humphries (Convergex) (Phase One)
- Susie Stone (Kordia) (Phase One)
- Adam Hibbs (Commerce Commission)
- Jordan Carter (InternetNZ)
- Susan Wells (Forum Administrator, UBA)
- Clare Dobson (Forum Administrator, LLU)

**Number Portability Working Parties****LMNP Terms**

- Susan Wells (Project Leader, formerly TelstraClear)
- Paul Armstrong (formerly Telecom)
- Alan Fagan (Telecom)
- John Wesley-Smith (Telecom)
- John Wilson (TelstraClear)
- Céline Hugues (Vodafone)
- Ian Barrie (Vodafone)
- Rob Clarke (Foundation)

**Network Terms**

- Céline Hugues (Project Leader, Vodafone)
- Paul Armstrong (formerly Telecom)
- Alan Fagan (Telecom)
- John Wesley-Smith (Telecom)
- John Wilson (TelstraClear)
- Wendy Dodd (TelstraClear)
- Ian Barrie (Vodafone)
- Brett Thompson (WorldxChange)

**Working Party****Members****Number Portability Working Parties***(continued)***Implementation Project Team**

- Gillian Clark (Project Manager, Synergy)
- Rob Clarke (Technical Consultant, Foundation)
- Susan Wells (Forum Administrator)
- Allan Old (CallPlus)
- Mike Lancaster (Compass)
- Michelle Wyatt (ihug)
- Andrew Rolls (Telecom)
- Steve Johnson (Telecom)
- Jinece Bakhos (Telecom)
- Lloyd Davis (Telecom)
- John Wesley-Smith (Telecom)
- John Wilson (TelstraClear)
- Clinton Millard (TelstraClear)
- Tracy Watson (TelstraClear)
- Colin McDonald (Vodafone)
- David Stone (Vodafone)
- Ian Barrie (Vodafone)
- Lena Jenkins (Vodafone)
- Lynne Christie (Vodafone)
- Ros Perry (Woosh)
- Brett Thompson (WorldxChange)

**Radiocommunication Co-location Working Party**

- Susan Wells (Project Leader and Forum Administrator)
- Tex Edwards (Econet Wireless)
- Andrew Davis (Econet Wireless)
- Susie Stone (Kordia)
- Michael Jamieson (Kordia)
- Wendy Dodd (TelstraClear)
- Mark Larsen (Telecom)
- Ernie Newman (TUANZ)
- David Robinson (Vector Communications)
- Peter Nicoll (Vodafone)
- Nick Clarke (Woosh Wireless)

**Telecommunications Relay Service Working Party**

- Alistair Dixon (Project Leader, TelstraClear)
- John Wesley-Smith (Telecom)
- Raphael Hilbron (Vodafone)
- Susan Wells (Forum Administrator)

## Timeline Highlights to Mid-2007

- March**
- interim TDRS Council appointed
  - RFP issued for TDRS Scheme Agent
- April**
- Number portability live
- May**
- sign off on agreed elements for inclusion in LLU and Co-location Standard Terms Proposals
- June**
- launch redeveloped TCF website
  - first joint TCF and Communication Alliance Board meeting
  - sign off on agreed elements for inclusion in UBA Standard Terms Proposal
- July**
- TDRS Scheme Agent appointed
  - industry implementation of regulated Customer Transfer Code to be completed
  - TCF CEO appointment announced
- August**
- industry implementation of non-regulated Customer Transfer Code to be completed
  - second TCF strategic planning session
  - Co-siting Code completed

### Telecommunications Carriers' Forum

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