

# NZRS in 2008 to 2009

Donna Hiser, Chair  
Jay Daley, Chief Executive  
July 2009



# Agenda

- ④ Company Developments
- ④ Performance
- ④ Technical Developments
- ④ Future Developments
- ④ Finances
- ④ ccTLD Environment
- ④ International Perspective

# Company Developments

- ④ Capacity and Capability Review
- ④ Appointment of Chief Executive
- ④ Board focus on governance role
- ④ Technical strategy monitored by CE
- ④ Increase technical staffing levels by one
- ④ Retirement of Anne Urlwin
- ④ Apointment of David Wright

# Performance

- ❖ Excellent achievement of key SLA metrics
- ❖ Slowdown in domain name growth
  - ❖ up 8.8% to 350,000 at year end
- ❖ Domain name fee kept at \$1.50/month
- ❖ Balance sheet remained strong
- ❖ Low risk investment strategy
- ❖ Charity from August 2008
- ❖ No liability for income tax on earnings

# Technical Developments

## ☞ Staff

- ☞ Dave Baker now CTO
- ☞ Appointed Sebastian Castro as DNS specialist

## ☞ DNS

- ☞ Replaced ‘grace and favour’ nameservers
- ☞ Added Autonomica as 2<sup>nd</sup> anycast provider
- ☞ Implement our own anycast network
- ☞ Added Christchurch node

# Technical Developments

- ❖ Shared Registry System
  - ❖ Separated out WHOIS to two new servers
  - ❖ Significant performance gains
    - ❖ Adjusting replication
    - ❖ Database query tuning
  - ❖ Better database housekeeping
- ❖ Miscellaneous
  - ❖ Launched public OpenPGP keyserver
  - ❖ Launched new DNRS (SRS) web site

# Future Developments

- ⌚ Moved from three year plan to annual
- ⌚ More on DNS (and every year to come!)
  - ⌚ Monitoring
  - ⌚ DNS Security Extensions (DNSSEC)
  - ⌚ DDoS protection
- ⌚ More on SRS (and every year to come!)
  - ⌚ Extensible Provisioning Protocol (EPP)
  - ⌚ Internationalised Domain Names (IDN)

# Future Developments

- ❖ Significant expansion of testing facilities
  - ❖ Full SRS test cluster
  - ❖ Full DNS test cluster
- ❖ Major upgrades
  - ❖ Batch of server reaching end of life
  - ❖ Database/WebServer major version upgrade
- ❖ Network
  - ❖ Intra-site connections
  - ❖ Increased security



# Finances 2008-2009

<b>Income</b>	Registry Fees	\$6,361,318	
	Interest Received	\$577,734	
			<b>\$6,939,052</b>
<b>DNC Fee</b>	DNC Management Fee	<b>\$1,095,600</b>	
<b>Expenses</b>	Hosting/Networking/Support/Development	\$1,028,778	
	Staffing	\$494,603	
	Professional Fees	\$360,868	
	Depreciation and Amortisation	\$177,175	
	General Expenses (e.g. Rent/Insurance)	\$169,981	
	Conferences/Travel/Accommodation	\$101,379	
			<b>\$2,332,784</b>
<b>Profit</b>	Net Profit before Tax (\$456k)	<b>\$3,510,668</b>	
<b>Dividends</b>	Dividends to InternetNZ	<b>\$2,112,000</b>	

# ccTLD Environment

- ⌚ Our input to INZ Group business planning
- ⌚ Running a ccTLD bring responsibilities
- ⌚ Greater investment in infrastructure
  - ⌚ Reliability - entry level product for upselling
  - ⌚ Security - attack on Domainz!
  - ⌚ Capacity - support new business initiatives
  - ⌚ Visibility - information is strategic
  - ⌚ Maintainability - online business is 24/7/365

# ccTLD Environment

- ⌚ Rapid technical change on the way
- ⌚ DNSSEC is a game changer
  - ⌚ Information inside DNS can now be trusted
  - ⌚ Resurgence of PKI?
- ⌚ Convergence of identity
  - ⌚ X.509 (https) increasingly under-delivering
  - ⌚ Reputational systems gaining coverage
  - ⌚ Verified identity being delivered by gov't

# International Perspective

- Security of DNS growing as an issue
  - Redirection and synthesis back on agenda
- Registrar view of ccTLD market:
  - 245 systems and 245 contracts to deal with
- Internationalised ccTLDs a ‘right’?
- Many smaller ccTLDs need assistance
  - .nz traditionally leads with best practice
- Don’t forget the new TLD process!

# Any questions?

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