# ICT Policy framework 2014

## **Principles**

Principle	Meaning	Impact	Policies
Convergence	divisions between industries and policy s		Govt CTO or NZCTO KiwiMap Digital Bill of Rights Strengthened ComCom
Digital Inclusion	Digital technology is becoming the primary means of accessing content and services	and the means of interaction. All	KiwiCall KiwiCap KiwiCloud
Structural Separation	Jack State S		Genuine Telco Review Strengthened ComCom
Unbundled Content	Digital content is multi-modal and can run on many platforms artificial restrictions frustrate wide spread consumption and adoption	Content production is encouraged, innovation across platforms shifts focus to producers. Broadcasters and publishsrs become aggregators and streamers	Revised portfolio focus Converged content funding NZ content 'access' charter Appropriate copyright regime NZ access to geoblocked content
Regulated Open Access Monopoly	en Access competition is wasteful and anti-overbuild is		Genuine Telco Review Strengthened ComCom Review of UFB/RBI Review of International connectivity
Digital education	Widespread adoption of digital training methods in education delivery. (ie MOOC's -Massive Open Online Courses) Bring worlds best to NZ Get core principles in place (problem solving, coding solution design)	teacher as a Facilitator/Mentor. Improves digital literacy in all career paths to enable the growth of a Digital Economy. Provide a stream of Advanced Digitally Aware Graduates to	Digital careers structure through primary.secondary and tertiary education ICT interns ICT apprentices ICT degrees Clearly define IT career paths and specialities ICT 'X' Prizes & scholarships
Digital Economic Development	Growing the NZ economy by creating more jobs for digital coders, developers, creators and makers.  Global focus on collaboration and opportunities	business opportunities for NZ'ers  The reorientation of much of our educational curriculum  Government leadership by	KiwiMap KiwiCode Govt ICT Procurement KiwiMakers ICT education Maker Culture Kiwis come home- incentives to bring home Kiwis with ICT skills, entrepeneurs in ICT businesses

Digital rights based	A framework to ensure	Digital Bill of Right	to sit alongside BORA within
framework	<ul> <li>privacy for citizens are enshrined in digital environment</li> <li>NZ a trustworthy place to do business and to promote innovation.</li> </ul>		Human Rights Commission

## **Existing funding**

Approach	Purpose	Mechanism	Application	Funding
Existing TSO	funds provision of services to remote and underserved communities	'TDL'	Via the 'TDF' administered through MBie Funding the RBI then winding back	\$50m p/a shrinking to \$6m p/a
Existing UFB	, ,	Chorus 3 x LFCs	Via CFH	See CFH for details, currently subject of Copper Tax campaign and ensuing Chorus Crisis (could bring down Govt!)
Existing RBI	Improving rural backhaul and cellular coverage	TDL	TDF	See TSO
4G Spectrum auction	Redeploy 700Mhz spectrum	Auction - nearly finished	The result is looking like a big long term win for Vodafone and might mark decline and demise of 2Degrees	Straight to Govt

## **Proposed Funding**

Approach	Purpose	Mechanism	Application	Funding
broadband 030		general taxation	Via wider Govt 'Votes'	TBD

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I ATT	Support for creation and 'accessible' distribution of NZ digital content	ICT 'carriers'	Via a competitive mechanism c/f NZ on Air & NZ Film Commission etc	TBD

### **Policy Options**

Policy	Description	Purpose	Mechanism	Outcome	Funding
KiwiMap	An annual ICT roadmap for NZ produced by the Govt CTO		Neutral Technology Roadmap	Better decisions for Kiwi's not just telcos Avoid debacles	Directly funded thru new 'office of Govt CTO'
KiwiCode	A requirement for Govt ICT projects to employ NZ ICT resources		Revised Govt tendering and procurement	Develop ICT sector Jobs Increased skill base	Built into projects
KiwiCall	A revision of NZ telephony architecture to recognise technological advances	Creating secure, portable digital identity for all Kiwis Facilitates eServices	Review with industry, users and Govt CTO Allow NZ based service to compete with OTT threats		Some USO
KiwiCap	A fixed monthly amount of bandwidth per citizen Can be provided to some as a 'benefit'	Enable participation in digital society, e govt, e health etc	based on genuine wholesale costs	Drive market to innovate Digital 'inclusion' Eliminate 'Cap Fear' as barrier to uptake and adoption	Market & USO
KiwiCloud	encrypted digital	-		Eliminate another digital divide barrier. Provide all with encrypted storage. Market can enhance offerings	Market & USO

Kiwis Come Home ICT Careers	initiatives to attract Digital Kiwis home.  Ensuring Kiwis are equipped for 21st century careers	attractive environment for returnees to continue digital business and lifestyles Ongoing social development through having high earning jobs to support NZ future needs.	Digital Business Migration Incentives  Education, experience and opportunity. Creating structures for successful	Economy by capturing International Digital business opportunities	USO or DCL, MBIE Further work required
Kiwi Content	content can be created, shared and distributed without	Create the skills, tools, channels and safeguards for an authentic digital Kiwi presence	Ensure educational provides the skills and the market the	A strong and self sustaining environment for NZ content	Further work required
Modern Digital communities	UFB, RBI and digital architecture in the real world	social and community development by taking an integrated and holistic approach	architectures at the individual, family/ whanau, community, regional and national levels	Many including improved social inclusion and cohesion, lower government service delivery costs with improved outcomes, digital workforce development, global economic opportunities	Needs further work
Digital Bill of Rights	A Digital Bill of Rights would establish New Zealand's as an innovative nation in a digital environment. It would guarantee a citizen privacy and also promote a digital economy is New Zealand with certainty around operating and setting up in a fair, open, and transparent environment	citizens are enshrined in digital	to sit alongside BORA within Human Rights Commission		Needs further work