



	Geographics - Australia	
INTERSTURMENTAL COMMITTE OF SURVEYING & MAPPING		
	Australia	New Zealand
Geography	biggest island continent	2 main islands
Topography	Predominately flat, desert	Mountainous
Area	7,682,300 sq km (Aust 28x larger)	268,021 sq km
Population	22.1 m (Aust 5x larger)	4.3 million







		Comparisons between Australia and New Zealand	
SURVEYING & MAPPING		Australia	New Zealand
	Focus of Geodetic System - influences	Large country - focus on being an enabling infrastructure	Rugged landscape and tectonic setting plus strong need to support the cadastre
	Management of geodetic network	Managed at national and state level	Managed centrally by LINZ
	Management of geodetic data	Managed at state level via modern databases	Managed electronically with Landonline
	Horizontal datum	Static	Semi-dynamic
	Vertical datum	National sea level datum	NZGeoid2009 adopted a vertical datum reference surface based on the geoid
	Ground marks and beacons	Ground control is sparse due to size of country	Maintain a large number of marks to mitigate effects of crustal deformation
	GNSS CORS	Various networks managed at national and state level. New national network proposed with spacing at 200km.	PositioNZ national network with spacing of 100km. Denser network to monitor crustal deformation (GEONET)
	Geodetic data and the cadastre	Being more tightly connected	Tightly connected – geodetic cadastre









