

Appendix A – Coordinate System (CSYS) codes for reliability file as at 8/4/2016:

Coordinate System Name	CSYS
Amuri 2000	AMURTM2000
Amuri 1949	AMURTM1949
Amuri OCD	AMUROCD
Bay of Plenty 2000	PLENTM2000
Bay of Plenty 1949	PLENTM1949
Bay of Plenty OCD	PLENOCD
Bluff 2000	BLUFTM2000
Bluff 1949	BLUFTM1949
Bluff Circuit OCD	BLUFOCD
Buller 2000	BULLTM2000
Buller 1949	BULLTM1949
Buller OCD	BULLOCD
Chatham Island (Internal Only) 2000	CHATTM2000
Chatham Islands Circuit 1979	CHATTM1979
Chatham Islands OCD	CHATOCD
Collingwood 2000	COLLTM2000
Collingwood 1949	COLLTM1949
Collingwood OCD	COLLOCD
Gawler 2000	GAWLTM2000
Gawler 1949	GAWLTM1949
Gawler OCD	GAWLOCD

Grey 2000	GREYTM2000
Grey 1949	GREYTM1949
Grey OCD	GREY OCD
Hawkes Bay 2000	HAWKTM2000
Hawkes Bay 1931	HAWKTM1931
Hawkes Bay 1949	HAWKTM1949
Hokitika 2000	HOKITM2000
Hokitika 1949	HOKITM1949
Hokitika OCD	HOKI OCD
Jacksons Bay 2000	JACKTM2000
Jacksons Bay 1949	JACKTM1949
Jacksons Bay OCD	JACK OCD
Karamea 2000	KARATM2000
Karamea 1949	KARATM1949
Karamea OCD	KARA OCD
Lindis Peak 2000	LINDTM2000
Lindis Peak 1949	LINDTM1949
Lindis Peak OCD	LIND OCD
Marlborough 2000	MARLTM2000
Marlborough 1949	MARLTM1949
Marlborough OCD	MARL OCD
Mount Eden 2000	EDENTM2000
Mount Eden 1949	EDENTM1949

Mount Eden OCD	EDEN OCD
Mount Pleasant 2000	PLEATM2000
Mount Pleasant 1949	PLEATM1949
Mount Pleasant OCD	PLEA OCD
Mount York 2000	YORKTM2000
Mount York 1949	YORKTM1949
Mount York OCD	YORK OCD
Mount Nicholas 2000	NICHTM2000
Mount Nicholas 1949	NICHTM1949
Mount Nicholas OCD	NICH OCD
Nelson 2000	NELSTM2000
Nelson 1949	NELSTM1949
Nelson OCD	NELSOCD
New Zealand Map Grid	NZMG
North Island National Grid	NNAT
North Taieri 2000	TAIETM2000
North Taieri 1949	TAIETM1949
North Taieri OCD	TAIE OCD
Observation Point 2000	OBSETM2000
Observation Point 1949	OBSETM1949
Observation Point OCD	OBSE OCD
Okarito 2000	OKARTM2000
Okarito 1949	OKARTM1949

Okarito OCD	OKAROCD
Auckland Vertical Datum 1946	AUCKHT1946
Bluff Vertical Datum 1955	BLUFHT1955
Deep Cove Vertical Datum 1960	DECOHT1960
Dunedin-Bluff Vertical Datum 1960	DUBLHT1960
Dunedin Vertical Datum 1958	DUNEHT1958
East Cape Vertical Datum 1973	EACAHT1973
Gisborne Vertical Datum 1926	GISBHT1926
Lyttelton Vertical Datum 1937	LYTTHT1937
Nelson Vertical Datum 1955	NELSHT1955
One Tree Point Vertical Datum 1964	ONTPHT1964
Port Waikato Vertical Datum 1954	PTWAHT1954
Stewart Island Vertical Datum 1977	STISHT1977
Tararu Vertical Datum 1952	TARUHT1952
Wellington Vertical Datum 1953	WELLHT1953
Moturiki Vertical Datum 1953	MOTUHT1953
Napier Vertical Datum 1962	NAPIHT1962
Poverty Bay 2000	POVETM2000
Poverty Bay 1949	POVETM1949
Poverty Bay OCD	POVEOCD
South Island National Grid	SNAT
Taranaki 2000	TARATM2000
Taranaki 1949	TARATM1949

Taranaki OCD	TARAOCD
Timaru 2000	TIMATM2000
Timaru 1949	TIMATM1949
Timaru OCD	TIMAOCD
Tuhirangi 2000	TUHITM2000
Tuhirangi 1949	TUHITM1949
Tuhirangi OCD	TUHIOCD
Wairarapa 2000	WAIRTM2000
Wairarapa 1949	WAIRTM1949
Wairarapa OCD	WAIROCD
Wanganui 2000	WANGTM2000
Wanganui 1949	WANGTM1949
Wanganui OCD	WANGOCD
Wellington 2000	WELLTM2000
Wellington 1949	WELLTM1949
Wellington OCD	WELLOCD
NZGD 1949	NZGD1949
NZGD 2000	NZGD2000
Marsden Point Vertical Datum 1978	MARSHT1978
Mean High Water Spring	MHWS
Mean Sea Level	MSL
Chatham Islands 1979	CHAT1979
Hawkes Bay OCD	HAWKOCD

Camp Area Datum	CAMPAREA
Ross Sea Region Geodetic Datum 2000	RSRGD2000
Taranaki Vertical Datum 1970	TARAHT1970
World Geodetic System 1972	WGS72
World Geodetic System 1984	WGS84
International Terrestrial Reference System	ITRS
Dunedin EDS Vertical Datum	DUNHTEDS
Lyttelton EDS Vertical Datum	LYTTHTEDS
Pahau Vertical Datum	PAHAHTTRIG
Moturiki EDS Vertical Datum	MOTUHTEDS
Maraetai Vertical Datum	MARAEHTMOW
Wanganui Vertical Datum 1953	WANGHT1953
Tarakohe Vertical Datum 1982	TARAHT1982
Dunedin/Lyttelton Vertical Datum	DUNELYTTHT
Unahi Vertical Datum	UNAHIHTRCC
Taranaki EDS Vertical Datum	TARAHTEDS
Kaitoke Vertical Datum	KAITHTMOW
EGM96 Vertical datum	EGM96HT
B (Leaning Rock SD)	B_LEANOCD
C (Fraser SD) OCD	C_FRASOCD
C (Leaning Rock SD) OCD	C_LEANOCD
E (Leaning Rock SD) OCD	E_LEANOCD
F (Leaning Rock SD) OCD	F_LEANOCD

G (Fraser SD) OCD	G_FRASOCD
G (Leaning Rock SD) OCD	G_LEANOCD
H (Leaning Rock SD) OCD	H_LEANOCD
I (Tn of Clyde) OCD	I_CLYDEOCD
J (Leaning Rock SD) OCD	J_LEANOCD
K (Leaning Rock SD) OCD	K_LEANOCD
L (Leaning Rock SD) OCD	L_LEANOCD
L (Teviot SD) OCD	L_TEVIOCD
M (Leaning Rock SD) OCD	M_LEANOCD
O (Leaning Rock SD) OCD	O_LEANOCD
P (Tiger Hill SD) OCD	P_TIGEROCD
V (Fraser SD) OCD	V_FRASOCD
W (Leaning Rock SD) OCD	W_LEANOCD
X (Leaning Rock SD) OCD	X_LEANOCD
C (Hillend SD) OCD	C_HILLOCD
E (Hillend SD) OCD	E_HILLOCD
F (Hillend SD) OCD	F_HILLOCD
G (Hillend SD) OCD	G_HILLOCD
O (Hillend SD) OCD	O_HILLOCD
P (North Molyneux SD) OCD	P_MOLYOCD
Q (Clutha SD) OCD	Q_CLUTOCD
Q (Hillend SD) OCD	Q_HILLOCD
A (Cromwell SD) OCD	A_CROMOCD

B (Cromwell SD) OCD	B_CROMOCD
B ROUND HILL (Bannockburn SD) OCD	B_BANNOCD
CONNELL'S TRIG OCD	CONNELOCD
D (Waipahi SD) OCD	D_WAIPOCD
E (Bannockburn SD) OCD	E_BANNOCD
G (Cromwell SD) OCD	G_CROMOCD
H SUGARLOAF (Cromwell SD) OCD	H)CROMOCD
I (Leaning Rock SD) OCD	I_LEANOCD
O (Shotover SD) OCD	O_SHOTOCD
Q (Cromwell SD) OCD	Q_CROMOCD
R (Leaning Rock SD) OCD	R_LEANOCD
U MT KINAKI (Wakefield SD) OCD	U_WAKEOCD
Y (Nevis SD) OCD	Y_NEVIOCD
CAMP HILL (Lower Hawea SD) OCD	CH_LHAWOCD
LINDIS PEAK (Lower Hawea SD) OCD	LP_LHAWOCD
MT BARKER (Lower Wanaka SD) OCD	MB_LWANOCD
K (Tokomairiro SD) OCD	K_TOKOOCD
Q (Clarendon SD) OCD	Q_CLAROCD
T (Akatore SD) OCD	T_AKATOCD
T (Tokomairiro SD) OCD	T_TOKOOCD
A MT CHARLES (Otepopo SD) OCD	A_OTEOCD
AA (Papakaio SD) OCD	AA_PAPAOCD
B (Otepopo SD) OCD	B_OTEOCD

C (Otepopo SD) OCD	C_OTEPOCD
D (Oamaru SD) OCD	D_OAMA OCD
E CAPE WANBROW (Oamaru SD) OCD	E_OAMA OCD
F (Moeraki SD) OCD	F_MOEROCD
F (Oamaru SD) OCD	F_OAMA OCD
G (Oamaru SD) OCD	G_OAMA OCD
H (Otepopo SD) OCD	H_OTEPOCD
K ROUND HILL (Oamaru SD) OCD	K_OAMA OCD
L (Hawksbury SD) OCD	L_HAWKOCD
M (Oamaru SD) OCD	M_OAMA OCD
N (Oamaru SD) OCD	N_OAMA OCD
O (Hawksbury SD) OCD	O_HAWKOCD
S (Oamaru SD) OCD	S_OAMA OCD
S (Otepopo SD) OCD	S_OTEPOCD
W (Oamaru SD) OCD	W_OAMA OCD
A (North Taieri) OCD	A_NTAIOCD
AA (North Harbour & Blueskin SD) OCD	AA_NHAROCD
B (Waikouaiti SD) OCD	B_WAIKOCD
DOUBLE HILL (North Harbour & Blueskin SD) OCD	DH_NHAROCD
J (Waikouaiti SD) OCD	J_WAIKOCD
MOPANUI (North Harbour & Blueskin SD) OCD	MO_NHAROCD
N (Portobello SD) OCD	N_PORTOCD
O (Portobello SD) OCD	O_PORTOCD

SS CENTRE OF OCTAGON (Tn of Dunedin) OCD	SS_DUNEOCD
International Terrestrial Reference System XYZ	ITRS_XYZ
B (Lower Wanaka SD) OCD	B_LOWEOCD
C (East Taieri SD) OCD	C_EASTOCD
B2 (East Taieri SD) OCD	B2_EASTOCD
C (Dunedin & East Taieri SD) OCD	C_DUNEOCD
B (Maungatua SD) OCD	B_MAUNOCD
C JAFFRAY HILL (East Taieri SD) OCD	C_JAFFOCD
A (East Taieri SD) OCD	A_EASTOCD
B (East Taieri SD) OCD	B_EASTOCD
AA (Maungatua SD) OCD	A_MAUNOCD
C MT IRON OCD	C_MTIROCD
C SADDLE HILL (East Taieri SD) OCD	C_SADDOCD
C2 (Dunedin & East Taieri SD) OCD	C2_DUNEOCD
D (Otokia SD) OCD	D_OTOKOCD
D2 (Otokia SD) OCD	D2_OTOKOCD
E (Oamaru SD) OCD	E_OAMAROCD
G2 (Dunedin & East Taieri SD) OCD	G2_DUNEOCD
I (West Taieri SD) OCD	I_WESTOCD
I (Maungatua SD) OCD	I_MAUNOCD
J (West Taieri SD) OCD	J_WESTOCD
K (Otokia SD) OCD	K_OTOKOCD
L (Maungatua SD) OCD	L_MAUNOCD

N (Maungatua SD) OCD	N_MAUNOCD
N SCROGGS HILL (Otokia SD) OCD	N_SCROOCD
O (Town of Allanton) OCD	O_TOWNOCD
RP (Maungatua SD) OCD	RP_MAUNOCD
U (West Taieri SD) OCD	U_WESTOCD
V (Otepopo SD) OCD	V_OTEPOCD
Y (Town SD) OCD	Y_TOWNOCD
X (North East Valley SD) OCD	X_NEVOCD
FF (Upper Harbour West SD) OCD	FF_UHWOCD
B (Town of Port Chalmers) OCD	B_CHALMOCD
GG (Upper Harbour West SD) OCD	GG_UHWOCD
JJ (Upper Harbour West SD) OCD	JJ_UHWOCD
LL (Upper Harbour West SD) OCD	LL_UHWOCD
MM (Town SD) OCD	MM_TOWNOCD
G (Sawyers Bay SD) OCD	G_SAWYOCD
C (Sawyers Bay & North East Valley SD) OCD	C_SAWYOCD
E (North Harbour & Blueskin SD) OCD	E_NORTOCD
SIGNAL HILL (North Harbour & Blueskin SD)	SH_NORTOCD
EE (North Harbour & Blueskin SD)	EE_NORTOCD
KK (North Harbour & Blueskin SD) OCD	KK_NORTOCD
U (Wakari SD) OCD	U_WAKAOCD
SS CENTRE OF OCTAGON (Pine Hill) OCD	SS_PINEOCD
R (Town SD) OCD	R_TOWNOCD

Railway (Lower Kaikorai SD) OCD	RAIL_LKAIO
A2 (Lower Kaikorai SD) OCD	A2_LKAI OCD
X (Lower Kaikorai SD) OCD	X_LKAI OCD
V (Town SD) OCD	V_TOWN OCD
Z FORBURY HILL (Ocean Beach SD) OCD	Z_FORB OCD
KK (Town SD) OCD	KK_TOWN OCD
LL (Town SD) OCD	LL_TOWN OCD
E2 (Dunedin & East Taieri SD) OCD	E2_DUNE OCD
A (Otokia SD) OCD	A_OTOK OCD
H (West Taieri SD) OCD	H_WEST OCD
U (Otago Peninsula SD) OCD	U_OTAGO OCD
H (Upper Harbour East SD) OCD	H_UPPE OCD
I (Upper Harbour East SD) OCD	I_UPPE OCD
KK (Portobello SD) OCD	KK_PORTO OCD
T1 (Otago Peninsula SD) OCD	T1_OTAGO OCD
HARBOUR CONE OCD	HARBOU OCD
J (Portobello SD) OCD	J_PORTO OCD
L (Portobello SD) OCD	L_PORTO OCD
K (Portobello SD) OCD	K_PORTO OCD
A (Tn of Invercargill) OCD	A_TNING OCD
B (Tn of Invercargill) OCD	B_TNING OCD
C (Tn of Invercargill) OCD	C_TNING OCD
F (Tn of Invercargill) OCD	F_TNING OCD

EE (Invercargill Hd) OCD	EE_INVEOCD
H (Invercargill Hd) OCD	H_INVEROCD
I (Invercargill Hd) OCD	I_INVEROCD
L (Invercargill Hd) OCD	L_INVEROCD
M (Invercargill Hd) OCD	M_INVEROCD
S (Invercargill Hd) OCD	S_INVEROCD
R (Oteramika Hd) OCD	R_OTEROCD
SS 193 (Invercargill) OCD	SS193_IOCD
O (Invercargill Hd) OCD	O_INVEROCD
FF (Invercargill Hd) OCD	FF_INVEOCD
CC (Invercargill Hd) OCD	CC_INVEOCD
W (Invercargill Hd) OCD	W_INVEROCD
P (Invercargill Hd) OCD	P_INVEROCD
A (Invercargill Hd) OCD	A_INVEROCD
I (Blk XII Invercargill Hd) OCD	I_XII_IOCD
L (Blk IX Invercargill Hd) OCD	L_IX_INOCD
D (Invercargill Hd) OCD	D_INVEROCD
N (New River Hd) OCD	N_NEWROCD
P (New River Hd) OCD	P_NEWROCD
V (Invercargill HD) OCD	V_INVEROCD
U (Invercargill HD) OCD	U_INVEROCD
HH (Invercargill HD) OCD	HH_INVEOCD
GG (Invercargill HD) OCD	GG_INVEOCD

BB (Invercargill HD) OCD	BB_INVEOCD
D (Blk XVII Invercargill HD) OCD	D_XVII_OCD
E (Campbelltown HD) OCD	E_CAMPOCD
C (Blk XVI Invercargill HD) OCD	C_XVI_OCD
DD (Invercargill HD) OCD	DD_INVEOCD
T (Invercargill HD) OCD	T_INVEROCD
C (Winton HD) OCD	C_WINTOCD
G (Winton HD) OCD	G_WINTOCD
J (Winton HD) OCD	J_WINTOCD
K (Winton HD) OCD	K_WINTOCD
L (Winton HD) OCD	L_WINTOCD
N (Winton HD) OCD	N_WINTOCD
O (Winton HD) OCD	O_WINTOCD
P (Winton HD) OCD	P_WINTOCD
R (Winton HD) OCD	R_WINTOCD
S (Winton HD) OCD	S_WINTOCD
V++ Woody Knoll OCD	V_WOODOCD
A (New River HD) OCD	A_NEWROCD
B (Wallacetown New River HD) OCD	B_WALLOCD
C (New River HD) OCD	C_NEWROCD
D (New River HD) OCD	D_NEWROCD
F (New River HD) OCD	F_NEWROCD
J (New River HD) OCD	J_NEWROCD

L (New River HD) OCD	L_NEWROCD
O (New River HD) OCD	O_NEWROCD
F (Blk III New River HD) OCD	F_III_OCD
B (New River Hd) OCD	B_NEWROCD
B (Oreti Hd) OCD	B_ORETIOCD
C (Campbelltown Hd) OCD	C_CAMPOCD
C (Jacobs River Hd) OCD	C_JACOBOCD
D (Oreti Hd) OCD	D_ORETIOCD
E (Blk IX New River Hd) OCD	E_IX_NROCD
E (Jacobs River Hd) OCD	E_JACOBOCD
E (Oreti Hd) OCD	E_ORETIOCD
E (Blk XIII New River Hd) OCD	E_XIII_OCD
H (Oreti Hd) OCD	H_ORETIOCD
J (Oreti Hd) OCD	J_ORETIOCD
K (Oreti Hd) OCD	K_ORETIOCD
M (Oreti Hd) OCD	M_ORETIOCD
N (Oreti Hd) OCD	N_ORETIOCD
O+ (Hokonui SD) OCD	O_HOKONOCD
P (Blk IX Winton Hd) OCD	P_IX_WIOCD
Q (New River Hd) OCD	Q_NEWROCD
R (New River Hd) OCD	R_NEWROCD
T (Hokonui SD) OCD	T_HOKONOCD
U (New River Hd) OCD	U_NEWROCD

V (New River Hd) OCD	V_NEWROCD
W (Jacobs River Hd) OCD	W_JACOBOCD
W (New River Hd) OCD	W_NEWROCD
Z (Jacobs River Hd) OCD	Z_JACOBOCD
V2 (Campbelltown HD) OCD	V2_CAMPOCD
W (Campbelltown HD) OCD	W_CAMPOCD
X THE BLUFF OCD	X_BLUFFOCD
F (Jacobs River HD) OCD	F_JACOBOCD
H (Jacobs River HD) OCD	H_JACOBOCD
G (Blk XV New River HD) OCD	G_XV_NROCD
G (New River HD) OCD	G_NEWROCD
N (Blk XVII New River HD) OCD	N_XVII_OCD
T (New River HD) OCD	T_NEWROCD
A+ (Jacobs River HD) OCD	A_JACOBOCD
C+ (Jacobs River HD) OCD	C+_JACO OCD
D+ (Jacobs River HD) OCD	D+_JACO OCD
E (Blk VI Jacobs River HD) OCD	E_VI_JROCD
I+ (Jacobs River HD) OCD	I+_JACO OCD
H (New River HD) OCD	H_NEWROCD
U (Blk XI New River HD) OCD	U_XI_NROCD
D (Manapouri SD) OCD	D_MANAPOCD
B (Mararoa SD) OCD	B_MARAROCD
R (Blk XVII New River HD) OCD	R_XVII_OCD

B (Hokonui SD) OCD	B_HOKON OCD
C (Hokonui SD) OCD	C_HOKON OCD
D (Hokonui SD) OCD	D_HOKON OCD
E (Hokonui SD) OCD	E_HOKON OCD
F (Hokonui SD) OCD	F_HOKON OCD
M (Lindhurst HD) OCD	M_LINDH OCD
N (Lindhurst HD) OCD	N_LINDH OCD
J (Waimumu HD) OCD	J_WAIMU OCD
F (Town of East Gore) OCD	F_EASTG OCD
I (Tuturau SD) OCD	I_TUTUR OCD
A (Hokonui SD) OCD	A_HOKON OCD
A (Mataura HD) OCD	A_MATAU OCD
P (Mataura HD) OCD	P_MATAU OCD
V (Mataura HD) OCD	V_MATAU OCD
O (Lindhurst HD) OCD	O_LINDH OCD
R (Lindhurst HD) OCD	R_LINDH OCD
T (Lothian HD) OCD	T_LOTHI OCD
U (Lothian HD) OCD	U_LOTHI OCD
A (Oteramika HD) OCD	A_OTERA OCD
D (Oteramika HD) OCD	D_OTERA OCD
F (Oteramika HD) OCD	F_OTERA OCD
G (Oteramika HD) OCD	G_OTERA OCD
H (Oteramika HD) OCD	H_OTERA OCD

J (Oteramika HD) OCD	J_OTERA OCD
L (Oteramika HD) OCD	L_OTERA OCD
TT (Oteramika HD) OCD	TT_OTERO CD
Q (Waimumu HD) OCD	Q_WAIMU OCD
B (Wyndham SD) OCD	B_WYNDHO CD
E (Wyndham SD) OCD	E_WYNDHO CD
5b Sub (Shotover SD) OCD	5B_SUBSO CD
^ (arrow) Sub (Shotover SD) OCD	^_SUBSHO CD
A (Shotover SD) OCD	A_SHOTO OCD
D (Shotover SD) OCD	D_SHOTO OCD
J (Shotover SD) OCD	J_SHOTO OCD
L (Shotover SD) OCD	L_SHOTO OCD
M (Shotover SD) OCD	M_SHOTO OCD
MBQ(a) (Shotover SD) OCD	MBQA_SHO CD
MBQ(g) (Shotover SD) OCD	MBQG_SHO CD
Q (Shotover SD) OCD	Q_SHOTO OCD
R (Shotover SD) OCD	R_SHOTO OCD
T (Shotover SD) OCD	T_SHOTO OCD
Y (Shotover SD) OCD	Y_SHOTO OCD
IT A (Town of Frankton) OCD	ITA_FRAO CD
H (Mid Wakatipu SD) OCD	H_MIDWAO CD
1A (Mid Wakatipu SD) OCD	1A_MIDWO CD
B (Coneburn SD) OCD	B_CONEBO CD

C (Coneburn SD) OCD	C_CONEBOCD
A (Kawarau SD) OCD	A_KAWEROCD
B (Kawarau SD) OCD	B_KAWEROCD
E (Kawarau SD) OCD	E_KAWEROCD
G (Kawarau SD) OCD	G_KAWEROCD
M (Blk III Shotover SD) OCD	M_III_SOCD
New Zealand Transverse Mercator	NZTM
Auckland Islands 1949	AUCS1949
Chatham Islands Transverse Mercator 2000	CITM2000
Auckland Islands Transverse Mercator 2000	AKTM2000
Campbell Island Transverse Mercator 2000	CATM2000
Antipodes Islands Transverse Mercator 2000	AITM2000
Raoul Island Transverse Mercator 2000	RITM2000
Darwin Glacier Lambert Conformal 2000	DGLC2000
G (Hawksbury SD) OCD	G_HAWKOCD
A (Motueka SD) OCD	A_MOTUOCD
NOTE: Please contact the NGO if a required coordinate system is not listed above.	