

Vertical coordinate systems

ArcGIS Enterprise 10.9

Each vertical coordinate system used by the ArcGIS REST API has a well-known ID (WKID), a name, and a well-known textual definition. These are described in the following table:

WKID	Name	Well-Known Text
3855	EGM2008_Geoid	VERTCS["EGM2008_Geoid",VDATUM["EGM2008_Geoid"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
3886	Fao_1979	VERTCS["Fao_1979",VDATUM["Fao_1979"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
3900	N2000_height	VERTCS["N2000_height",VDATUM["N2000"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
4440	NZVD2009_height	VERTCS["NZVD2009_height",VDATUM["New_Zealand_Vertical_Datum_2009"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
4458	Dunedin_Bluff_1960_height	VERTCS["Dunedin_Bluff_1960_height",VDATUM["Dunedin_Bluff_1960"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5193	Incheon_height	VERTCS["Incheon_height",VDATUM["Incheon"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5195	Trieste_height	VERTCS["Trieste_height",VDATUM["Trieste"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5214	Genoa_height	VERTCS["Genoa_height",VDATUM["Genoa"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5237	SLVD_height	VERTCS["SLVD_height",VDATUM["Sri_Lanka_Vertical_Datum"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5317	FVR09_height	VERTCS["FVR09_height",VDATUM["Faroe_Islands_Vertical_Reference_2009"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

5336	Black_Sea_Depth	VERTCS["Black_Sea_Depth",VDATUM["Black_Sea"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",-1.0],UNIT["Meter",1.0]]
5597	FCSVR10_Height	VERTCS["FCSVR10_Height",VDATUM["Fehmarnbelt_Vertical_Reference_2010"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5600	NGPF	VERTCS["NGPF",VDATUM["Nivellement_General_de_Polynesie_Francaise"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5601	IGN_1966	VERTCS["IGN_1966",VDATUM["IGN_1966"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5602	Moorea_SAU_1981	VERTCS["Moorea_SAU_1981",VDATUM["Moorea_SAU_1981"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5603	Raiatea_SAU_2001	VERTCS["Raiatea_SAU_2001",VDATUM["Raiatea_SAU_2001"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5604	Maupiti_SAU_2001	VERTCS["Maupiti_SAU_2001",VDATUM["Maupiti_SAU_2001"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5605	Huahine_SAU_2001	VERTCS["Huahine_SAU_2001",VDATUM["Huahine_SAU_2001"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5606	Tahaa_SAU_2001	VERTCS["Tahaa_SAU_2001",VDATUM["Tahaa_SAU_2001"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5607	Bora_Bora_SAU_2001	VERTCS["Bora_Bora_SAU_2001",VDATUM["Bora_Bora_SAU_2001"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5608	IGLD_1955	VERTCS["IGLD_1955",VDATUM["International_Great_Lakes_Datum_1955"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5609	IGLD_1985	VERTCS["IGLD_1985",VDATUM["International_Great_Lakes_Datum_1985"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5610	HVRS_1971	VERTCS["HVRS_1971",VDATUM["Croatian_Vertical_Reference_System_1971"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5611	Caspian_height	VERTCS["Caspian_height",VDATUM["Caspian_Sea"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5612	Baltic_depth	VERTCS["Baltic_depth",VDATUM["Baltic_Sea"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",-1.0],UNIT["Meter",1.0]]
5613	RH2000	VERTCS["RH2000",VDATUM["Rikets_Hojdsystem_2000"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

5614	KOC_WD_depth_ft	VERTCS["KOC_WD_depth_ft",VDATUM["KOC_Well_Datum"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",-1.0],UNIT["Foot",0.3048]]
5615	RH1900	VERTCS["RH1900",VDATUM["Rikets_Hojdsystem_1900"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5616	IGN_1988_LS	VERTCS["IGN_1988_LS",VDATUM["IGN_1988_LS"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5617	IGN_1988_MG	VERTCS["IGN_1988_MG",VDATUM["IGN_1988_MG"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5618	IGN_1992_LD	VERTCS["IGN_1992_LD",VDATUM["IGN_1992_LD"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5619	IGN_1988_SB	VERTCS["IGN_1988_SB",VDATUM["IGN_1988_SB"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5620	IGN_1988_SM	VERTCS["IGN_1988_SM",VDATUM["IGN_1988_SM"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5621	EVRF_2007	VERTCS["EVRF_2007",VDATUM["European_Vertical_Reference_Frame_2007"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5701	Newlyn	VERTCS["Newlyn",VDATUM["Ordnance_Datum_Newlyn"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5702	NGVD_1929	VERTCS["NGVD_1929",VDATUM["National_Geodetic_Vertical_Datum_1929"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Foot_US",0.3048006096012192]]
5703	NAVD_1988	VERTCS["NAVD_1988",VDATUM["North_American_Vertical_Datum_1988"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5704	Yellow_Sea_1956	VERTCS["Yellow_Sea_1956",VDATUM["Yellow_Sea_1956"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5705	Baltic	VERTCS["Baltic",VDATUM["Baltic_Sea"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5706	Caspian	VERTCS["Caspian",VDATUM["Caspian_Sea"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",-1.0],UNIT["Meter",1.0]]
5709	NAP	VERTCS["NAP",VDATUM["Normaal_Amsterdams_Peil"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5710	Oostende	VERTCS["Oostende",VDATUM["Oostende"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

5711	AHD	VERTCS["AHD",VDATUM["Australian_Height_Datum"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5712	AHD_Tasmania	VERTCS["AHD_Tasmania",VDATUM["Australian_Height_Datum_Tasmania"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5713	CGVD_1928	VERTCS["CGVD_1928",VDATUM["Canadian_Geodetic_Vertical_Datum_of_1928"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5714	MSL_Height	VERTCS["MSL_Height",VDATUM["Mean_Sea_Level"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5715	MSL_Depth	VERTCS["MSL_Depth",VDATUM["Mean_Sea_Level"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",-1.0],UNIT["Meter",1.0]]
5716	Piraeus	VERTCS["Piraeus",VDATUM["Piraeus_Harbour_1986"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5717	N60	VERTCS["N60",VDATUM["Helsinki_1960"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5718	RH70	VERTCS["RH70",VDATUM["Rikets_Hojdsystem_1970"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5719	NGF_Lallemand	VERTCS["NGF_Lallemand",VDATUM["Nivellement_General_de_la_France_Lallemand"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5720	NGF_IGN69	VERTCS["NGF_IGN69",VDATUM["Nivellement_General_de_la_France_IGN69"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5721	NGF_IGN78	VERTCS["NGF_IGN78",VDATUM["Nivellement_General_de_la_France_IGN78"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5722	Maputo	VERTCS["Maputo",VDATUM["Maputo"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5723	Japanese_Standard_Levelling_Datum_1969	VERTCS["Japanese_Standard_Levelling_Datum_1969",VDATUM["Japanese_Standard_Levelling_Datum_1969"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5724	PDO_Height_Datum_1993	VERTCS["PDO_Height_Datum_1993",VDATUM["PDO_Height_Datum_1993"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

5725	Fahud_Height_Datum_1993	VERTCS["Fahud_Height_Datum_1993",VDATUM["Fahud_Height_Datum"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5726	Ha_Tien_1960	VERTCS["Ha_Tien_1960",VDATUM["Ha_Tien_1960"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5727	Hon_Dau_1992	VERTCS["Hon_Dau_1992",VDATUM["Hon_Dau_1992"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5728	LN_1902	VERTCS["LN_1902",VDATUM["Landesnivellement_1902"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5729	LHN95	VERTCS["LHN95",VDATUM["Landeshohennetz_1995"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5730	EVRS_2000	VERTCS["EVRS_2000",VDATUM["European_Vertical_Reference_Frame_2000"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5731	Malin_Head	VERTCS["Malin_Head",VDATUM["Malin_Head"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5732	Belfast	VERTCS["Belfast",VDATUM["Belfast"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5733	Dansk_Normal_Nul	VERTCS["Dansk_Normal_Nul",VDATUM["Dansk_Normal_Nul"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5734	AIOC95_Depth	VERTCS["AIOC95_Depth",VDATUM["AIOC_1995"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",-1.0],UNIT["Meter",1.0]]
5735	Black_Sea	VERTCS["Black_Sea",VDATUM["Black_Sea"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5736	Yellow_Sea_1956	VERTCS["Yellow_Sea_1956",VDATUM["Yellow_Sea_1956"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5737	Yellow_Sea_1985	VERTCS["Yellow_Sea_1985",VDATUM["Yellow_Sea_1985"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5738	Hong_Kong_Principal_Datum	VERTCS["Hong_Kong_Principal_Datum",VDATUM["Hong_Kong_Principal_Datum"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5739	Hong_Kong_Chart_Datum	VERTCS["Hong_Kong_Chart_Datum",VDATUM["Hong_Kong_Chart_Datum"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",-1.0],UNIT["Meter",1.0]]

5740	Newlyn_Orkney_Isles	VERTCS["Newlyn_Orkney_Isles",VDATUM["Ordnance_Datum_Newlyn_Orkney_Isles"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5741	Fair_Isle	VERTCS["Fair_Isle",VDATUM["Fair_Isle"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5742	Lerwick	VERTCS["Lerwick",VDATUM["Lerwick"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5743	Foula	VERTCS["Foula",VDATUM["Foula"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5744	Sule_Skerry	VERTCS["Sule_Skerry",VDATUM["Sule_Skerry"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5745	North_Rona	VERTCS["North_Rona",VDATUM["North_Rona"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5746	Stornoway	VERTCS["Stornoway",VDATUM["Stornoway"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5747	St_Kilda	VERTCS["St_Kilda",VDATUM["St_Kilda"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5748	Flannan_Isles	VERTCS["Flannan_Isles",VDATUM["Flannan_Isles"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5749	St_Marys	VERTCS["St_Marys",VDATUM["St_Marys"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5750	Douglas	VERTCS["Douglas",VDATUM["Douglas"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5751	Fao	VERTCS["Fao",VDATUM["Fao"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5752	Bandar_Abbas	VERTCS["Bandar_Abbas",VDATUM["Bandar_Abbas"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5753	NGNC	VERTCS["NGNC",VDATUM["Nivellement_General_de_Nouvelle_Caledonie"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5754	Poolbeg	VERTCS["Poolbeg",VDATUM["Poolbeg"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Foot_British_1936",0.3048007491]]
5755	NGG_1977	VERTCS["NGG_1977",VDATUM["Nivellement_General_Guyanais_1977"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

5756	IGN_1987	VERTCS["IGN_1987",VDATUM["IGN_1987"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5757	IGN_1988	VERTCS["IGN_1988",VDATUM["IGN_1988"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5758	IGN_1989	VERTCS["IGN_1989",VDATUM["IGN_1989"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5759	Auckland	VERTCS["Auckland",VDATUM["Auckland"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5760	Bluff	VERTCS["Bluff",VDATUM["Bluff"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5761	Dunedin	VERTCS["Dunedin",VDATUM["Dunedin"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5762	Gisborne	VERTCS["Gisborne",VDATUM["Gisborne"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5763	Lyttelton	VERTCS["Lyttelton",VDATUM["Lyttelton"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5764	Moturiki	VERTCS["Moturiki",VDATUM["Moturiki"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5765	Napier	VERTCS["Napier",VDATUM["Napier"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5766	Nelson	VERTCS["Nelson",VDATUM["Nelson"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5767	One_Tree_Point	VERTCS["One_Tree_Point",VDATUM["One_Tree_Point"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5768	Tararu	VERTCS["Tararu",VDATUM["Tararu"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5769	Taranaki	VERTCS["Taranaki",VDATUM["Taranaki"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5770	Wellington	VERTCS["Wellington",VDATUM["Wellington"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5771	Chatham_Island	VERTCS["Chatham_Island",VDATUM["Chatham_Island"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5772	Stewart_Island	VERTCS["Stewart_Island",VDATUM["Stewart_Island"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

5773	EGM96_Geoid	VERTCS["EGM96_Geoid",VDATUM["EGM96_Geoid"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5774	NG_L	VERTCS["NG_L",VDATUM["Nivellement_General_du_Luxembourg"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5775	Antalya	VERTCS["Antalya",VDATUM["Antalya"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5776	NN54	VERTCS["NN54",VDATUM["Norway_Normal_Null_1954"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5777	Durres	VERTCS["Durres",VDATUM["Durres"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5778	GHA	VERTCS["GHA",VDATUM["Gebrauchshohen_Adria"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5779	SVS2000	VERTCS["SVS2000",VDATUM["Slovenian_Vertical_System_2000"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5780	Cascais	VERTCS["Cascais",VDATUM["Cascais"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5781	Constanta	VERTCS["Constanta",VDATUM["Constanta"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5782	Alicante	VERTCS["Alicante",VDATUM["Alicante"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5783	DHHN92	VERTCS["DHHN92",VDATUM["Deutsches_Haupthoehennetz_1992"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5784	DHHN85	VERTCS["DHHN85",VDATUM["Deutsches_Haupthoehennetz_1985"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5785	SNN76	VERTCS["SNN76",VDATUM["SNN76"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5786	Baltic_1982	VERTCS["Baltic_1982",VDATUM["Baltic_1982"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5787	EOMA_1980	VERTCS["EOMA_1980",VDATUM["Baltic_1980"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5788	Kuwait_PWD	VERTCS["Kuwait_PWD",VDATUM["Kuwait_PWD"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5789	KOC_Well_Datum	VERTCS["KOC_Well_Datum",VDATUM["KOC_Well_Datum"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",-1.0],UNIT["Meter",1.0]]

5790	KOC_Construction_Datum	VERTCS["KOC_Construction_Datum",VDATUM["KOC_Construction_Datum"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5791	NGC_1948	VERTCS["NGC_1948",VDATUM["Nivellement_General_de_la_Corse_1948"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5792	Danger_1950	VERTCS["Danger_1950",VDATUM["Danger_1950"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5793	Mayotte_1950	VERTCS["Mayotte_1950",VDATUM["Mayotte_1950"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5794	Martinique_1955	VERTCS["Martinique_1955",VDATUM["Martinique_1955"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5795	Guadeloupe_1951	VERTCS["Guadeloupe_1951",VDATUM["Guadeloupe_1951"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5796	Lagos_1955	VERTCS["Lagos_1955",VDATUM["Lagos_1955"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5797	AIOC95_Height	VERTCS["AIOC95_Height",VDATUM["AIOC_1995"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5798	EGM84_Geoid	VERTCS["EGM84_Geoid",VDATUM["EGM84_Geoid"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5799	DVR90	VERTCS["DVR90",VDATUM["Dansk_Vertikal_Reference_1990"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5829	Instantaneous_Water_Level_Height	VERTCS["Instantaneous_Water_Level_Height",VDATUM["Sea_Level"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5831	Instantaneous_Water_Level_Depth	VERTCS["Instantaneous_Water_Level_Depth",VDATUM["Sea_Level"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",-1.0],UNIT["Meter",1.0]]
5843	Ras_Ghumays_height	VERTCS["Ras_Ghumays_height",VDATUM["Ras_Ghumays"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5861	LAT_Depth	VERTCS["LAT_Depth",VDATUM["Lowest_Astronomic_Tide"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",-1.0],UNIT["Meter",1.0]]
5862	LLWLT_Depth	VERTCS["LLWLT_Depth",VDATUM["Lower_Low_Water_Large_Tide"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",-1.0],UNIT["Meter",1.0]]
5863	ISLW_Depth	VERTCS["ISLW_Depth",VDATUM["Indian_Spring_Low_Water"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",-1.0],UNIT["Meter",1.0]]

5864	MLLWS_Depth	VERTCS["MLLWS_Depth",VDATUM["Mean_Lower_Low_Water_Spring_Tides"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",-1.0],UNIT["Meter",1.0]]
5865	MLWS_Depth	VERTCS["MLWS_Depth",VDATUM["Mean_Low_Water_Spring_Tides"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",-1.0],UNIT["Meter",1.0]]
5866	MLLW_Depth	VERTCS["MLLW_Depth",VDATUM["Mean_Lower_Low_Water"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",-1.0],UNIT["Meter",1.0]]
5867	MLW_Depth	VERTCS["MLW_Depth",VDATUM["Mean_Low_Water"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",-1.0],UNIT["Meter",1.0]]
5868	MHW_Height	VERTCS["MHW_Height",VDATUM["Mean_High_Water"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5869	MHHW_Height	VERTCS["MHHW_Height",VDATUM["Mean_Higher_High_Water"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5870	MHWS_Height	VERTCS["MHWS_Height",VDATUM["Mean_High_Water_Spring_Tides"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5871	HHWLT_Height	VERTCS["HHWLT_Height",VDATUM["Higher_High_Water_Large_Tide"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5872	HAT_Height	VERTCS["HAT_Height",VDATUM["Highest_Astronomic_Tide"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5873	Low_Water_Depth	VERTCS["Low_Water_Depth",VDATUM["Low_Water"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",-1.0],UNIT["Meter",1.0]]
5874	High_Water_Height	VERTCS["High_Water_Height",VDATUM["High_Water"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
5941	NN2000_height	VERTCS["NN2000_height",VDATUM["Norway_Normal_Null_2000"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
6130	GCVD54_height	VERTCS["GCVD54_height",VDATUM["Grand_Cayman_Vertical_Datum_1954"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Foot",0.3048]]
6131	LCVD61_height	VERTCS["LCVD61_height",VDATUM["Little_Cayman_Vertical_Datum_1961"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Foot",0.3048]]
6132	CBVD61_height	VERTCS["CBVD61_height",VDATUM["Cayman_Brac_Vertical_Datum_1961"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Foot",0.3048]]

6178	Cais_da_Pontinha-Funchal_height	VERTCS["Cais_da_Pontinha-Funchal_height",VDATUM["Cais_da_Pontinha-Funchal"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
6179	Cais_da_Vila-Porto_Santo_height	VERTCS["Cais_da_Vila-Porto_Santo_height",VDATUM["Cais_da_Vila-Porto_Santo"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
6180	Cais_das_Velas_height	VERTCS["Cais_das_Velas_height",VDATUM["Cais_das_Velas"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
6181	Horta_height	VERTCS["Horta_height",VDATUM["Horta"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
6182	Cais_da_Madalena_height	VERTCS["Cais_da_Madalena_height",VDATUM["Cais_da_Madalena"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
6183	Santa_Cruz_da_Graciosa_height	VERTCS["Santa_Cruz_da_Graciosa_height",VDATUM["Santa_Cruz_da_Graciosa"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
6184	Cais_da_Figueirinha-Angra_do_Heroismo_height	VERTCS["Cais_da_Figueirinha-Angra_do_Heroismo_height",VDATUM["Cais_da_Figueirinha-Angra_do_Heroismo"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
6185	Santa_Cruz_das_Flores_height	VERTCS["Santa_Cruz_das_Flores_height",VDATUM["Santa_Cruz_das_Flores"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
6186	Cais_da_Vila_do_Porto_height	VERTCS["Cais_da_Vila_do_Porto_height",VDATUM["Cais_da_Vila_do_Porto"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
6187	Ponta_Delgada_height	VERTCS["Ponta_Delgada_height",VDATUM["Ponta_Delgada"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
6357	NAVD88_depth	VERTCS["NAVD88_depth",VDATUM["North_American_Vertical_Datum_1988"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",-1.0],UNIT["Meter",1.0]]
6358	NAVD88_depth_(ftUS)	VERTCS["NAVD88_depth_(ftUS)",VDATUM["North_American_Vertical_Datum_1988"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",-1.0],UNIT["Foot_US",0.3048006096012192]]

6359	NGVD29_depth	VERTCS["NGVD29_depth",VDATUM["National_Geodetic_Vertical_Datum_1929"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",-1.0],UNIT["Foot_US",0.3048006096012192]]
6360	NAVD88_height_(ftUS)	VERTCS["NAVD88_height_(ftUS)",VDATUM["North_American_Vertical_Datum_1988"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Foot_US",0.3048006096012192]]
6638	Tutuila_1962_height	VERTCS["Tutuila_1962_height",VDATUM["Tutuila_Vertical_Datum_of_1962"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
6639	Guam_1963_height	VERTCS["Guam_1963_height",VDATUM["Guam_Vertical_Datum_of_1963"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
6640	NMVD03_height	VERTCS["NMVD03_height",VDATUM["Northern_Marianas_Vertical_Datum_of_2003"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
6641	PRVD02_height	VERTCS["PRVD02_height",VDATUM["Puerto_Rico_Vertical_Datum_of_2002"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
6642	VIVD09_height	VERTCS["VIVD09_height",VDATUM["Virgin_Islands_Vertical_Datum_of_2009"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
6643	ASVD02_height	VERTCS["ASVD02_height",VDATUM["American_Samoa_Vertical_Datum_of_2002"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
6644	GUVD04_height	VERTCS["GUVD04_height",VDATUM["Guam_Vertical_Datum_of_2004"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
6647	CGVD2013_height	VERTCS["CGVD2013_height",VDATUM["Canadian_Geodetic_Vertical_Datum_of_2013"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
6693	JSLD72_height	VERTCS["JSLD72_height",VDATUM["Japanese_Standard_Levelling_Datum_1972"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
6694	JGD2000_vertical_height	VERTCS["JGD2000_vertical_height",VDATUM["Japanese_Geodetic_Datum_2000_vertical"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

6695	JGD2011_vertical_height	VERTCS["JGD2011_vertical_height",VDATUM["Japanese_Geodetic_Datum_2011_vertical"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
6916	SHD_height	VERTCS["SHD_height",VDATUM["Singapore_Height_Datum"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
7446	Famagusta_1960_(height)	VERTCS["Famagusta_1960_(height)",VDATUM["Famagusta_1960"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
7447	PNG08_(height)	VERTCS["PNG08_(height)",VDATUM["Papua_New_Guinea_2008"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
7651	Kumul_34_(height)	VERTCS["Kumul_34_(height)",VDATUM["Kumul_34"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
7652	Kiunga_(height)	VERTCS["Kiunga_(height)",VDATUM["Kiunga"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
7699	DHHN12_(height)	VERTCS["DHHN12_(height)",VDATUM["Deutsches_Haupthoehennetz_1912"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
7700	Latvia_2000_(height)	VERTCS["Latvia_2000_(height)",VDATUM["Latvian_Height_System_2000"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
7707	ODN_(Offshore)_(height)	VERTCS["ODN_(Offshore)_(height)",VDATUM["Ordnance_Datum_Newlyn_(Offshore)"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
7832	POM96_height	VERTCS["POM96_height",VDATUM["Port_Moresby_1996"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
7837	DHHN2016_(height)	VERTCS["DHHN2016_(height)",VDATUM["Deutsches_Haupthoehennetz_2016"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
7839	NZVD2016_height	VERTCS["NZVD2016_height",VDATUM["New_Zealand_Vertical_Datum_2016"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
7841	POM08_height	VERTCS["POM08_height",VDATUM["Port_Moresby_2008"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
7888	Jamestown_1971_height	VERTCS["Jamestown_1971_height",VDATUM["Jamestown_1971"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

7889	St_Helena_Tritan_2011_height	VERTCS["St_Helena_Tritan_2011_height",VDATUM["St_Helena_Tritan_Vertical_Datum_2011"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
7890	SHVD2015_height	VERTCS["SHVD2015_height",VDATUM["St_Helena_Vertical_Datum_2015"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
7962	Poolbeg_height_(m)	VERTCS["Poolbeg_height_(m)",VDATUM["Poolbeg"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
7968	NGVD_1929_height_(m)	VERTCS["NGVD_1929_height_(m)",VDATUM["National_Geodetic_Vertical_Datum_1929"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
7976	HKPD_depth	VERTCS["HKPD_depth",VDATUM["Hong_Kong_Principal_Datum"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",-1.0],UNIT["Meter",1.0]]
7979	KOC_WD_height	VERTCS["KOC_WD_height",VDATUM["KOC_Well_Datum"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
8050	MSL_height_(ftIntl)	VERTCS["MSL_height_(ftIntl)",VDATUM["Mean_Sea_Level"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Foot",0.3048]]
8051	MSL_depth_(ftIntl)	VERTCS["MSL_depth_(ftIntl)",VDATUM["Mean_Sea_Level"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",-1.0],UNIT["Foot",0.3048]]
8052	MSL_height_(ftUS)	VERTCS["MSL_height_(ftUS)",VDATUM["Mean_Sea_Level"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Foot_US",0.3048006096012192]]
8053	MSL_depth_(ftUS)	VERTCS["MSL_depth_(ftUS)",VDATUM["Mean_Sea_Level"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",-1.0],UNIT["Foot_US",0.3048006096012192]]
8089	ISH2004_height	VERTCS["ISH2004_height",VDATUM["Landshaedarkerfi_Islands_2004"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
8228	NAVD88_height_(ftIntl)	VERTCS["NAVD88_height_(ftIntl)",VDATUM["North_American_Vertical_Datum_1988"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Foot",0.3048]]
8266	GVR2000_height	VERTCS["GVR2000_height",VDATUM["Greenland_Vertical_Reference_2000"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

8267	GVR2016_height	VERTCS["GVR2016_height",VDATUM["Greenland_Vertical_Reference_2016"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
8357	Baltic_1957_height	VERTCS["Baltic_1957_height",VDATUM["Baltic_1957"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
8358	Baltic_1957_depth	VERTCS["Baltic_1957_depth",VDATUM["Baltic_1957"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",-1.0],UNIT["Meter",1.0]]
8434	Macao_height	VERTCS["Macao_height",VDATUM["Macao_Height_Datum"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
8675	N43_height	VERTCS["N43_height",VDATUM["Helsinki_1943"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
8690	SVS2010	VERTCS["SVS2010",VDATUM["Slovenian_Vertical_System_2010"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
8691	SRB_VRS12_height	VERTCS["SRB_VRS12_height",VDATUM["Serbian_Vertical_Reference_System_2012"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
8841	MVGC_height	VERTCS["MVGC_height",VDATUM["MOMRA_Vertical_Geodetic_Control"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
8881	Vienna_height	VERTCS["Vienna_height",VDATUM["Wiener_Null"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
8904	TWVD_2001_height	VERTCS["TWVD_2001_height",VDATUM["Taiwan_Vertical_Datum_2001"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
8911	DACR52_height	VERTCS["DACR52_height",VDATUM["Datum_Altimetrico_de_Costa_Rica_1952"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
9130	IGN_2008_LD_height	VERTCS["IGN_2008_LD_height",VDATUM["IGN_2008_LD"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
9245	CGVD2013_CGG2013a_height	VERTCS["CGVD2013_CGG2013a_height",VDATUM["Canadian_Geodetic_Vertical_Datum_of_2013_CGG2013a"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
9255	SRVN16_height	VERTCS["SRVN16_height",VDATUM["Sistema_de_Referencia_Vertical_Nacional_2016"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

9274	EVRF2000_Austria_height	VERTCS["EVRF2000_Austria_height",VDATUM["European_Vertical_Reference_Frame_2000_Austria"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
9279	SA_LLD_height	VERTCS["SA_LLD_height",VDATUM["South_Africa_Land_Levelling_Datum"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
9335	KSA-VRF14_height	VERTCS["KSA-VRF14_height",VDATUM["Kingdom_of_Saudi_Arabia_Vertical_Reference_Frame_Jeddah_2014"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
9351	NGNC08_height	VERTCS["NGNC08_height",VDATUM["Nivellement_General_de_Nouvelle_Caledonie_2008"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
9663	EH2000_height	VERTCS["EH2000_height",VDATUM["Estonian_Height_System_2000"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
105603	REDNAP_height	VERTCS["REDNAP_height",VDATUM["Red_Espanola_de_Nivelacion_de_Alta_Precision"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
105700	WGS_1984_Geoid	VERTCS["WGS_1984_Geoid",VDATUM["WGS_1984_Geoid"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
105701	DVR90	VERTCS["DVR90",VDATUM["Dansk_Vertikal_Reference_1990"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
105702	RH2000	VERTCS["RH2000",VDATUM["Rikets_Hojdsystem_2000"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
105703	NAVD88_height_(ftUS)	VERTCS["NAVD88_height_(ftUS)",VDATUM["North_American_Vertical_Datum_1988"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Foot_US",0.3048006096012192]]
105704	LAS07_height	VERTCS["LAS07_height",VDATUM["LAS07"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
105790	EGM2008_Geoid	VERTCS["EGM2008_Geoid",VDATUM["EGM2008_Geoid"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
105791	Fao_1979	VERTCS["Fao_1979",VDATUM["Fao_1979"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

105792	NZVD2009_height	VERTCS["NZVD2009_height",VDATUM["New_Zealand_Vertical_Datum_2009"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
105793	N2000_height	VERTCS["N2000_height",VDATUM["N2000"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
105794	Dunedin_Bluff_1960_height	VERTCS["Dunedin_Bluff_1960_height",VDATUM["Dunedin_Bluff_1960"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115700	WGS_1984	VERTCS["WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137.0,298.257223563]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115701	ETRS_1989	VERTCS["ETRS_1989",DATUM["D_ETRS_1989",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115702	NAD_1983	VERTCS["NAD_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115703	Australian_Antarctic_1998	VERTCS["Australian_Antarctic_1998",DATUM["D_Australian_Antarctic_1998",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115704	Cadastre_1997	VERTCS["Cadastre_1997",DATUM["D_Cadastre_1997",SPHEROID["International_1924",6378388.0,297.0]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115705	China_Geodetic_Coordinate_System_2000	VERTCS["China_Geodetic_Coordinate_System_2000",DATUM["D_China_2000",SPHEROID["CGCS2000",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115706	Swiss_TRF_1995	VERTCS["Swiss_TRF_1995",DATUM["D_Swiss_TRF_1995",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115707	CIGD11	VERTCS["CIGD11",DATUM["D_Cayman_Islands_Geodetic_Datum_2011",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115708	CR05	VERTCS["CR05",DATUM["D_Costa_Rica_2005",SPHEROID["WGS_1984",6378137.0,298.257223563]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

115709	DB_REF	VERTCS["DB_REF",DATUM["D_Deutsche_Bahn_Reference_System",SPHEROID["Bessel_1841",6377397.155,299.1528128]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115710	DGN_1995	VERTCS["DGN_1995",DATUM["D_Datum_Geodesi_Nasional_1995",SPHEROID["WGS_1984",6378137.0,298.257223563]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115711	DRUKREF_03	VERTCS["DRUKREF_03",DATUM["D_Bhutan_National_Geodetic_Datum",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115712	Estonia_1997	VERTCS["Estonia_1997",DATUM["D_Estonia_1997",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115713	EUREF_FIN	VERTCS["EUREF_FIN",DATUM["D_ETRS_1989",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115714	FEH2010	VERTCS["FEH2010",DATUM["D_Fehmarnbelt_Datum_2010",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115715	GDA_1994	VERTCS["GDA_1994",DATUM["D_GDA_1994",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115716	GDBD2009	VERTCS["GDBD2009",DATUM["D_GDBD2009",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115717	GDM_2000	VERTCS["GDM_2000",DATUM["D_GDM_2000",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115718	Greenland_1996	VERTCS["Greenland_1996",DATUM["D_Greenland_1996",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115719	Hartebeesthoek_1994	VERTCS["Hartebeesthoek_1994",DATUM["D_Hartebeesthoek_1994",SPHEROID["WGS_1984",6378137.0,298.257223563]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

115720	IGD05	VERTCS["IGD05",DATUM["Israel_Geodetic_Datum_2005",SPHEROID["WGS_1984",6378137.0,298.257223563]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115721	IG05_Intermediate_CRS	VERTCS["IG05_Intermediate_CRS",DATUM["IG05_Intermediate_Datum",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115722	IGD05(2012)	VERTCS["IGD05(2012)",DATUM["Israeli_Geodetic_Datum_2005(2012)",SPHEROID["WGS_1984",6378137.0,298.257223563]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115723	IG05(2012)_Intermediate_CRS	VERTCS["IG05(2012)_Intermediate_CRS",DATUM["IG05(2012)_Intermediate_Datum",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115724	IGM_1995	VERTCS["IGM_1995",DATUM["D_IGM_1995",SPHEROID["WGS_1984",6378137.0,298.257223563]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115725	IGRS	VERTCS["IGRS",DATUM["D_Iraqi_Geospatial_Reference_System",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115726	IRENET95	VERTCS["IRENET95",DATUM["D_IRENET95",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115727	ISN_1993	VERTCS["ISN_1993",DATUM["D_Islands_Network_1993",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115728	ISN_2004	VERTCS["ISN_2004",DATUM["D_Islands_Network_2004",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115729	ITRF_1988	VERTCS["ITRF_1988",DATUM["D_ITRF_1988",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115730	ITRF_1989	VERTCS["ITRF_1989",DATUM["D_ITRF_1989",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

115731	ITRF_1990	VERTCS["ITRF_1990",DATUM["D_ITRF_1990",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115732	ITRF_1991	VERTCS["ITRF_1991",DATUM["D_ITRF_1991",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115733	ITRF_1992	VERTCS["ITRF_1992",DATUM["D_ITRF_1992",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115734	ITRF_1993	VERTCS["ITRF_1993",DATUM["D_ITRF_1993",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115735	ITRF_1996	VERTCS["ITRF_1996",DATUM["D_ITRF_1996",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115736	ITRF_1997	VERTCS["ITRF_1997",DATUM["D_ITRF_1997",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115737	ITRF_2000	VERTCS["ITRF_2000",DATUM["D_ITRF_2000",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115738	ITRF_2005	VERTCS["ITRF_2005",DATUM["D_ITRF_2005",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115739	JAD_2001	VERTCS["JAD_2001",DATUM["D_Jamaica_2001",SPHEROID["WGS_1984",6378137.0,298.257223563]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115740	JGD_2000	VERTCS["JGD_2000",DATUM["D_JGD_2000",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115741	JGD_2011	VERTCS["JGD_2011",DATUM["D_JGD_2011",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

115742	Korea_2000	VERTCS["Korea_2000",DATUM["D_Korea_2000",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115743	Lao_1997	VERTCS["Lao_1997",DATUM["D_Lao_National_Datum_1997",SPHEROID["Krasovskiy_1940",6378245.0,298.3]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115744	LGD2006	VERTCS["LGD2006",DATUM["D_Libyan_Geodetic_Datum_2006",SPHEROID["International_1924",6378388.0,297.0]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115745	LKS_1992	VERTCS["LKS_1992",DATUM["D_Latvia_1992",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115746	LKS_1994	VERTCS["LKS_1994",DATUM["D_Lithuania_1994",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115747	MACAO_2008	VERTCS["MACAO_2008",DATUM["D_MACAO_2008",SPHEROID["International_1924",6378388.0,297.0]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115748	MAGNA	VERTCS["MAGNA",DATUM["D_MAGNA",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115749	MARCARIO_SOLIS	VERTCS["MARCARIO_SOLIS",DATUM["D_SGNP_MARCARIO_SOLIS",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115750	MARGEN	VERTCS["MARGEN",DATUM["D_Marco_Geodesico_Nacional",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115751	Mexico_ITRF2008	VERTCS["Mexico_ITRF2008",DATUM["D_Mexico_ITRF2008",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115752	MOLDREF99	VERTCS["MOLDREF99",DATUM["D_MOLDREF99",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

115753	MONREF_1997	VERTCS["MONREF_1997",DATUM["D_ITRF_2000",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115754	Moznet	VERTCS["Moznet",DATUM["D_Moznet",SPHEROID["WGS_1984",6378137.0,298.257223563]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115755	NAD_1983_2011	VERTCS["NAD_1983_2011",DATUM["D_NAD_1983_2011",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115756	NAD_1983_CORS96	VERTCS["NAD_1983_CORS96",DATUM["D_NAD_1983_CORS96",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115757	North_American_1983_CSRS	VERTCS["North_American_1983_CSRS",DATUM["D_North_American_1983_CSRS",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115758	North_American_1983_HARN	VERTCS["North_American_1983_HARN",DATUM["D_North_American_1983_HARN",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115759	NAD_1983_MA11	VERTCS["NAD_1983_MA11",DATUM["D_NAD_1983_MA11",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115760	NAD_1983_MARP00	VERTCS["NAD_1983_MARP00",DATUM["D_NAD_1983_MARP00",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115761	NAD_1983_NSRS2007	VERTCS["NAD_1983_NSRS2007",DATUM["D_NAD_1983_NSRS2007",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115762	NAD_1983_PA11	VERTCS["NAD_1983_PA11",DATUM["D_NAD_1983_PA11",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115763	NAD_1983_PACP00	VERTCS["NAD_1983_PACP00",DATUM["D_NAD_1983_PACP00",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

115764	Nepal_Nagarkot	VERTCS["Nepal_Nagarkot",DATUM["D_Nepal_Nagarkot",SPHEROID["Everest_A djustment_1937",6377276.345,300.8017]],PARAMETER["Vertical_Shift",0.0],PA RAMETER["Direction",1.0],UNIT["Meter",1.0]]
115765	NZGD_2000	VERTCS["NZGD_2000",DATUM["D_NZGD_2000",SPHEROID["GRS_1980",63781 37.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction ,1.0],UNIT["Meter",1.0]]
115766	Peru96	VERTCS["Peru96",DATUM["D_Peru96",SPHEROID["GRS_1980",6378137.0,298.2 57222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNI T["Meter",1.0]]
115767	PNG94	VERTCS["PNG94",DATUM["D_Papua_New_Guinea_Geodetic_Datum_1994",SP HEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift", 0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115768	POSGAR	VERTCS["POSGAR",DATUM["D_POSGAR",SPHEROID["GRS_1980",6378137.0,29 8.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],U NIT["Meter",1.0]]
115769	POSGAR_1994	VERTCS["POSGAR_1994",DATUM["D_POSGAR_1994",SPHEROID["GRS_1980",6 378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Dire ction",1.0],UNIT["Meter",1.0]]
115770	POSGAR_1998	VERTCS["POSGAR_1998",DATUM["D_POSGAR_1998",SPHEROID["GRS_1980",6 378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Dire ction",1.0],UNIT["Meter",1.0]]
115771	PRS_1992	VERTCS["PRS_1992",DATUM["D_Philippine_Reference_System_1992",SPHEROI D["Clarke_1866",6378206.4,294.9786982]],PARAMETER["Vertical_Shift",0.0],P ARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115772	PTRA08	VERTCS["PTRA08",DATUM["D_PTRA08",SPHEROID["GRS_1980",6378137.0,298. 257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UN IT["Meter",1.0]]
115773	PZ_1990	VERTCS["PZ_1990",DATUM["D_Parametrop_Zemp_1990",SPHEROID["PZ_1990 ,6378136.0,298.257839303]],PARAMETER["Vertical_Shift",0.0],PARAMETER["D irection",1.0],UNIT["Meter",1.0]]
115774	RDN2008	VERTCS["RDN2008",DATUM["D_Rete_Dinamica_Nazionale_2008",SPHEROID[" GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARA METER["Direction",1.0],UNIT["Meter",1.0]]

115775	REGCAN95	VERTCS["REGCAN95",DATUM["D_Red_Geodesica_de_Canarias_1995",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115776	REGVEN	VERTCS["REGVEN",DATUM["D_REGVEN",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115777	RGAF09	VERTCS["RGAF09",DATUM["Reseau_Geodesique_des_Antilles_Francaises_2009",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115778	RGF_1993	VERTCS["RGF_1993",DATUM["D_RGF_1993",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115779	RGFG_1995	VERTCS["RGFG_1995",DATUM["D_RGFG_1995",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115780	RGM_2004	VERTCS["RGM_2004",DATUM["D_Reseau_Geodesique_de_Mayotte_2004",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115781	RGNC_1991	VERTCS["RGNC_1991",DATUM["D_RGNC_1991",SPHEROID["International_1924",6378388.0,297.0]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115782	RGNC_1991-93	VERTCS["RGNC_1991-93",DATUM["D_Reseau_Geodesique_de_Nouvelle_Caledonie_1991-93",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115783	RGPF	VERTCS["RGPF",DATUM["D_Reseau_Geodesique_de_la_Polynesie_Francaise",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115784	RGR_1992	VERTCS["RGR_1992",DATUM["D_RGR_1992",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115785	RGRDC_2005	VERTCS["RGRDC_2005",DATUM["D_Reseau_Geodesique_de_la_RDC_2005",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

115786	RGSPM_2006	VERTCS["RGSPM_2006",DATUM["D_Reseau_Geodesique_de_St_Pierre_et_Miquelon_2006",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115787	RRAF_1991	VERTCS["RRAF_1991",DATUM["D_RRAF_1991",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115788	RSRGD2000	VERTCS["RSRGD2000",DATUM["D_Ross_Sea_Region_Geodetic_Datum_2000",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115789	SIRGAS_2000	VERTCS["SIRGAS_2000",DATUM["D_SIRGAS_2000",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115790	SIRGAS-Chile	VERTCS["SIRGAS-Chile",DATUM["D_SIRGAS-Chile",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115791	SIRGAS_ES2007.8	VERTCS["SIRGAS_ES2007.8",DATUM["D_SIRGAS_ES2007.8",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115792	SIRGAS-ROU98	VERTCS["SIRGAS-ROU98",DATUM["D_SIRGAS-ROU98",SPHEROID["WGS_1984",6378137.0,298.257223563]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115793	SLD99	VERTCS["SLD99",DATUM["D_Sri_Lanka_Datum_1999",SPHEROID["Everest_Adjustment_1937",6377276.345,300.8017]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115794	Slovenia_1996	VERTCS["Slovenia_1996",DATUM["D_Slovenia_Geodetic_Datum_1996",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115795	SREF98	VERTCS["SREF98",DATUM["D_Serbian_Reference_Network_1998",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115796	S_JTSK/05	VERTCS["S_JTSK/05",DATUM["D_S_JTSK_05",SPHEROID["Bessel_1841",6377397.155,299.1528128]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

115797	S_JTSK/05_Ferro	VERTCS["S_JTSK/05_Ferro",DATUM["D_S_JTSK_05",SPHEROID["Bessel_1841",6377397.155,299.1528128]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115798	SWEREF99	VERTCS["SWEREF99",DATUM["D_SWEREF99",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115799	TGD2005	VERTCS["TGD2005",DATUM["D_Tonga_Geodetic_Datum_2005",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115800	TWD_1997	VERTCS["TWD_1997",DATUM["D_TWD_1997",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115801	Ukraine_2000	VERTCS["Ukraine_2000",DATUM["D_Ukraine_2000",SPHEROID["Krasovsky_1940",6378245.0,298.3]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115802	Yemen_NGN_1996	VERTCS["Yemen_NGN_1996",DATUM["D_Yemen_NGN_1996",SPHEROID["WGS_1984",6378137.0,298.257223563]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115803	ITRF_2008	VERTCS["ITRF_2008",DATUM["D_ITRF_2008",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115804	TUREF	VERTCS["TUREF",DATUM["D_Turkish_National_Reference_Frame",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115805	GDA2020	VERTCS["GDA2020",DATUM["GDA2020",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115806	BGS2005	VERTCS["BGS2005",DATUM["Bulgaria_Geodetic_System_2005",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115807	Unknown_height_system_(meters)	VERTCS["Unknown_height_system_(meters)",VDATUM["Unknown_height_system_(meters)"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

115808	Unknown_height_system_(US_survey_feet)	VERTCS["Unknown_height_system_(US_survey_feet)",VDATUM["Unknown_height_system_(US_survey_feet)"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Foot_US",0.3048006096012192]]
115809	Unknown_height_system_(Intl_Feet)	VERTCS["Unknown_height_system_(Intl_Feet)",VDATUM["Unknown_height_system_(Intl_feet)"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Foot",0.3048]]
115810	ITRF2014	VERTCS["ITRF2014",DATUM["International_Terrestrial_Reference_Frame_2014",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115811	SHGD2015	VERTCS["SHGD2015",DATUM["St_Helena_Geodetic_Datum_2015",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115812	St_Helena_Tritan	VERTCS["St_Helena_Tritan",DATUM["St_Helena_Tritan",SPHEROID["WGS_1984",6378137.0,298.257223563]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115813	GSK-2011	VERTCS["GSK-2011",DATUM["Geodezicheskaya_Sistema_Koordinat_2011",SPHEROID["GSK-2011",6378136.5,298.2564151]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115814	PZ-90.11	VERTCS["PZ-90.11",DATUM["Parametry_Zemli_1990.11",SPHEROID["PZ_1990",6378136.0,298.257839303]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115815	PZ-90.02	VERTCS["PZ-90.02",DATUM["Parametry_Zemli_1990.02",SPHEROID["PZ_1990",6378136.0,298.257839303]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115816	WGS_1984_(Transit)	VERTCS["WGS_1984_(Transit)",DATUM["World_Geodetic_System_1984_(Transit)",SPHEROID["WGS_1984",6378137.0,298.257223563]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115817	WGS_1984_(G1762)	VERTCS["WGS_1984_(G1762)",DATUM["World_Geodetic_System_1984_(G1762)",SPHEROID["WGS_1984",6378137.0,298.257223563]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

115818	WGS_1984_(G1674)	VERTCS["WGS_1984_(G1674)",DATUM["World_Geodetic_System_1984_(G1674)",SPHEROID["WGS_1984",6378137.0,298.257223563]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115819	WGS_1984_(G1150)	VERTCS["WGS_1984_(G1150)",DATUM["World_Geodetic_System_1984_(G1150)",SPHEROID["WGS_1984",6378137.0,298.257223563]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115820	WGS_1984_(G873)	VERTCS["WGS_1984_(G873)",DATUM["World_Geodetic_System_1984_(G873)",SPHEROID["WGS_1984",6378137.0,298.257223563]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115821	WGS_1984_(G730)	VERTCS["WGS_1984_(G730)",DATUM["World_Geodetic_System_1984_(G730)",SPHEROID["WGS_1984",6378137.0,298.257223563]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115822	ETRF90	VERTCS["ETRF90",DATUM["European_Terrestrial_Reference_Frame_1990",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115823	ETRF91	VERTCS["ETRF91",DATUM["European_Terrestrial_Reference_Frame_1991",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115824	ETRF92	VERTCS["ETRF92",DATUM["European_Terrestrial_Reference_Frame_1992",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115825	ETRF93	VERTCS["ETRF93",DATUM["European_Terrestrial_Reference_Frame_1993",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115826	ETRF94	VERTCS["ETRF94",DATUM["European_Terrestrial_Reference_Frame_1994",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115827	ETRF96	VERTCS["ETRF96",DATUM["European_Terrestrial_Reference_Frame_1996",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115828	ETRF97	VERTCS["ETRF97",DATUM["European_Terrestrial_Reference_Frame_1997",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

115829	ETRF2000	VERTCS["ETRF2000",DATUM["European_Terrestrial_Reference_Frame_2000",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115830	NAD83(CSRS96)	VERTCS["NAD83(CSRS96)",DATUM["North_American_Datum_of_1983_(CSRS96)",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115831	NAD83(CSRS)v2	VERTCS["NAD83(CSRS)v2",DATUM["North_American_Datum_of_1983_(CSRS)_version_2",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115832	NAD83(CSRS)v3	VERTCS["NAD83(CSRS)v3",DATUM["North_American_Datum_of_1983_(CSRS)_version_3",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115833	NAD83(CSRS)v4	VERTCS["NAD83(CSRS)v4",DATUM["North_American_Datum_of_1983_(CSRS)_version_4",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115834	NAD83(CSRS)v5	VERTCS["NAD83(CSRS)v5",DATUM["North_American_Datum_of_1983_(CSRS)_version_5",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115835	NAD83(CSRS)v6	VERTCS["NAD83(CSRS)v6",DATUM["North_American_Datum_of_1983_(CSRS)_version_6",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115836	NAD83(CSRS)v7	VERTCS["NAD83(CSRS)v7",DATUM["North_American_Datum_of_1983_(CSRS)_version_7",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115837	IGS14	VERTCS["IGS14",DATUM["IGS14",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115838	ISN2016	VERTCS["ISN2016",DATUM["Islands_Net_2016",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115839	Hong_Kong_Geodetic_CS	VERTCS["Hong_Kong_Geodetic_CS",DATUM["Hong_Kong_Geodetic",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

115840	NAD_1983_(FBN)	VERTCS["NAD_1983_(FBN)",DATUM["NAD_1983_(Federal_Base_Network)",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115841	NAD_1983_(HARN_Corrected)	VERTCS["NAD_1983_(HARN_Corrected)",DATUM["NAD_1983_(High_Accuracy_Reference_Network-Corrected)",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115842	SRB_ETRS89	VERTCS["SRB_ETRS89",DATUM["Serbian_Spatial_Reference_System_2000",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115843	MTRF-2000	VERTCS["MTRF-2000",DATUM["MOMRA_Terrestrial_Reference_Frame_2000",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115844	California_SRS_Epoch_2017.50_(NAD83)	VERTCS["California_SRS_Epoch_2017.50_(NAD83)",DATUM["California_SRS_Epoch_2017.50_(NAD83)",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115845	GGD	VERTCS["GGD",DATUM["Georgia_Geodetic_Datum",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115846	ONGD14	VERTCS["ONGD14",DATUM["Oman_National_Geodetic_Datum_2014",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115847	ONGD17	VERTCS["ONGD17",DATUM["Oman_National_Geodetic_Datum_2017",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115848	S-JTSK_[JTSK03]	VERTCS["S-JTSK_[JTSK03]",DATUM["S-JTSK_[JTSK03]",SPHEROID["Bessel_1841",6377397.155,299.1528128]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115849	CR-SIRGAS	VERTCS["CR-SIRGAS",DATUM["CR-SIRGAS",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

115850	RGWF96	VERTCS["RGWF96",DATUM["Reseau_Geodesique_de_Wallis_et_Futuna_1996",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115851	SIRGAS-CON_DGF00P01	VERTCS["SIRGAS-CON_DGF00P01",DATUM["SIRGAS_Continuously_Operating_Network_DGF00P01",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115852	SIRGAS-CON_DGF01P01	VERTCS["SIRGAS-CON_DGF01P01",DATUM["SIRGAS_Continuously_Operating_Network_DGF01P01",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115853	SIRGAS-CON_DGF01P02	VERTCS["SIRGAS-CON_DGF01P02",DATUM["SIRGAS_Continuously_Operating_Network_DGF01P02",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115854	SIRGAS-CON_DGF02P01	VERTCS["SIRGAS-CON_DGF02P01",DATUM["SIRGAS_Continuously_Operating_Network_DGF02P01",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115855	SIRGAS-CON_DGF04P01	VERTCS["SIRGAS-CON_DGF04P01",DATUM["SIRGAS_Continuously_Operating_Network_DGF04P01",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115856	SIRGAS-CON_DGF05P01	VERTCS["SIRGAS-CON_DGF05P01",DATUM["SIRGAS_Continuously_Operating_Network_DGF05P01",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115857	SIRGAS-CON_DGF06P01	VERTCS["SIRGAS-CON_DGF06P01",DATUM["SIRGAS_Continuously_Operating_Network_DGF06P01",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115858	SIRGAS-CON_DGF07P01	VERTCS["SIRGAS-CON_DGF07P01",DATUM["SIRGAS_Continuously_Operating_Network_DGF07P01",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

		01",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115859	SIRGAS-CON_DGF08P01	VERTCS["SIRGAS-CON_DGF08P01",DATUM["SIRGAS_Continuously_Operating_Network_DGF08P01",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115860	SIRGAS-CON_SIR09P01	VERTCS["SIRGAS-CON_SIR09P01",DATUM["SIRGAS_Continuously_Operating_Network_SIR09P01",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115861	SIRGAS-CON_SIR10P01	VERTCS["SIRGAS-CON_SIR10P01",DATUM["SIRGAS_Continuously_Operating_Network_SIR10P01",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115862	SIRGAS-CON_SIR11P01	VERTCS["SIRGAS-CON_SIR11P01",DATUM["SIRGAS_Continuously_Operating_Network_SIR11P01",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115863	SIRGAS-CON_SIR13P01	VERTCS["SIRGAS-CON_SIR13P01",DATUM["SIRGAS_Continuously_Operating_Network_SIR13P01",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115864	SIRGAS-CON_SIR14P01	VERTCS["SIRGAS-CON_SIR14P01",DATUM["SIRGAS_Continuously_Operating_Network_SIR14P01",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115865	SIRGAS-CON_SIR15P01	VERTCS["SIRGAS-CON_SIR15P01",DATUM["SIRGAS_Continuously_Operating_Network_SIR15P01",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115866	SIRGAS-CON_SIR17P01	VERTCS["SIRGAS-CON_SIR17P01",DATUM["SIRGAS_Continuously_Operating_Network_SIR17P01",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]

115867	IGS97	VERTCS["IGS97",DATUM["IGS97",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115868	IGS00	VERTCS["IGS00",DATUM["IGS00",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115869	IGb00	VERTCS["IGb00",DATUM["IGb00",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115870	IGS05	VERTCS["IGS05",DATUM["IGS05",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115871	IGb08	VERTCS["IGb08",DATUM["IGb08",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115872	KOSOVAREF01	VERTCS["KOSOVAREF01",DATUM["Kosovo_Reference_System_2001",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115873	ETRF2005	VERTCS["ETRF2005",DATUM["European_Terrestrial_Reference_Frame_2005",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]
115874	ETRF2014	VERTCS["ETRF2014",DATUM["European_Terrestrial_Reference_Frame_2014",SPHEROID["GRS_1980",6378137.0,298.257222101]],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Meter",1.0]]