

Division III—SEISMIC ZONE TABULATION

NOTE: This division has been revised in its entirety.

SECTION 1653 — FOR AREAS OUTSIDE THE UNITED STATES

Location	Seismic Zone	Location	Seismic Zone
AFRICA			
Algeria		Mali	
Alger	3	Bamako	0
Oran	3	Mauritania	
Angola		Nouakchott	0
Luanda	0	Mauritius	
Benin		Port Louis	0
Cotonou	0	Morocco	
Botswana		Casablanca	2A
Gaborone	0	Port Lyautcy	1
Burundi		Rabat	2A
Bujumbura	3	Tangier	3
Cameroon		Mozambique	
Douala	0	Maputo	2A
Yaounde	0	Niger	
Cape Verde		Niamey	0
Praia	0	Nigeria	
Central African Republic		Ibadan	0
Bangui	0	Kaduna	0
Chad		Lagos	0
Ndjamena	0	Republic of Rwanda	
Congo		Kigali	3
Brazzaville	0	Senegal	
Djibouti	3	Dakar	0
Egypt		Seychelles	
Alexandria	2A	Victoria	0
Cairo	2A	Sierra Leone	
Port Said	2A	Freetown	0
Equatorial Guinea		Somalia	
Malabo	0	Mogadishu	0
Ethiopia		South Africa	
Addis Ababa	3	Cape Town	3
Asmara	3	Durban	2A
Gabon		Johannesburg	2A
Libreville	0	Natal	1
Gambia		Pretoria	2A
Banjul	0	Swaziland	
Ghana		Mbabane	2A
Accra	3	Tanzania	
Guinea		Dar es Salaam	2A
Bissau	1	Zanzibar	2A
Conakry	0	Togo	
Ivory Coast		Lome	1
Abidjan	0	Tunisia	
Kenya		Tunis	3
Nairobi	2A	Uganda	
Lesotho		Kampala	2A
Maseru	2A	Upper Volta	
Liberia		Ougadougou	0
Monrovia	1	Zaire	
Libya		Bukavu	3
Tripoli	2A	Kinshasa	0
Wheelus AFB	2A	Lubumbashi	2A
Malagasy Republic		Zambia	
Tananarive	0	Lukasa	2A
Malawi		Zimbabwe	
Blantyre	3	Harare (Salisbury)	3
Lilongwe	3	ASIA	
Zomba	3	Afghanistan	
		Kabul	4

Location	Seismic Zone	Location	Seismic Zone
Bahrain		Laos	
Manama	0	Vientiane	1
Bangladesh		Lebanon	
Dacca	3	Beirut	3
Brunei		Malaysia	
Bandar Seri Begawan	1	Kuala Lumpur	1
Burma		Nepal	
Mandalay	3	Kathmandu	4
Rangoon	3	Oman	
China		Muscat	2A
Beijing	4	Pakistan	
Chengdu	3	Islamabad	4
Guangzhou	2A	Karachi	4
Nanjing	2A	Lahore	2A
Qingdao	3	Peshawar	4
Shanghai	2A	Qatar	
Shengyang	4	Doha	0
Taiwan		Saudi Arabia	
All	4	AJ Batin	1
Tihwa	4	Dharan	1
Wuhan	2A	Jiddah	2A
Xianggang	2A	Khamis Mushayf	1
Cyprus		Riyadh	0
Nicosia	3	Singapore	
India		All	1
Bombay	3	South Yemen	
Calcutta	2A	Aden City	3
Madras	1	Sri Lanka	
New Delhi	3	Colombo	0
Indonesia		Syria	
Bandung	4	Aleppo	3
Jakarta	4	Damascus	3
Medan	3	Thailand	
Surabaya	4	Bangkok	1
Iran		Chiang Mai	2A
Isfahan	3	Songkhla	0
Shiraz	3	Udon	1
Tabriz	4	Turkey	
Tehran	4	Adana	2A
Iraq		Ankara	2A
Baghdad	3	Isniir	4
Basra	1	Istanbul	4
Israel		Karamursel	3
Haifa	3	United Arab Emirates	
Jerusalem	3	Abu Dhabi	0
Tel Aviv	3	Dubai	0
Japan		Viet Nam	
Fukuoka	3	Ho Chi Minh (Saigon)	0
Itazuke AFB	3	Yemen Aran Republic	
Misawa AFB	3	Sanaa	3
Naha, Okinawa	4	ATLANTIC OCEAN AREA	
Osaka/Kobe	4	Azores	
Sapporo	3	All	2A
Tokyo	4	Bermuda	
Wakkami	3	All	1
Yokohama	4	CARIBBEAN SEA	
Yokota	4	Bahama Islands	
Jordan		All	1
Amman	3	Cuba	
Korea		All	2A
Kimhae	1	Dominican Republic	
Kwangju	1	Santo Domingo	3
Pusan	1	French West Indies	
Seoul	0	Martinique	3
Kuwait		Grenada	
Kuwait	1	Saint Georges	3

Location	Seismic Zone	Location	Seismic Zone
Haiti		Paris	0
Port au Prince	3	Strasbourg	2A
Jamaica		Germany, Federal Republic	
Kingston	3	Berlin	0
Leeward Islands		Bonn	2A
All	3	Bremen	0
Trinidad & Tobago		Dusseldorf	1
All	3	Frankfurt	2A
CENTRAL AMERICA		Hamburg	0
Belize		Munich	1
Belmopan	2A	Stuttgart	2A
Canal Zone		Vaihingen	2A
All	2A	Greece	
Costa Rica		Athens	3
San Jose	3	Kavalla	4
El Salvador		Makri	4
San Salvador	4	Rhodes	3
Guatemala		Sauda Bay	4
Guatemala	4	Thessaloniki	4
Honduras		Hungary	
Tegucigalpa	3	Budapest	2A
Mexico		Iceland	
Ciudad Juarez	2A	Keflavick	3
Guadalajara	3	Reykjavik	4
Hermosillo	3	Ireland	
Matamoros	0	Dublin	0
Mazatlan	2A	Italy	
Merida	0	Aviano AFB	3
Mexico City	3	Brindisi	0
Monterrey	0	Florence	3
Nuevo Laredo	0	Genoa	3
Tijuana	3	Milan	2A
Nicaragua		Naples	3
Managua	4	Palermo	3
Panama		Rome	2A
Colon	3	Sicily	3
Galeta	2B	Trieste	3
Panama	3	Turin	2A
EUROPE		Luxembourg	
Albania		Luxembourg	1
Tirana	3	Malta	
Austria		Valleta	2A
Salzburg	2A	Netherlands	
Vienna	2A	All	0
Belgium		Norway	
Antwerp	1	Oslo	2A
Brussels	2A	Poland	
Bosnia-Herzegovina		Krakow	2A
Belgrade	2A	Poznan	1
Bulgaria		Warszawa	1
Sofia	3	Portugal	
Croatia		Lisbon	4
Zagreb	3	Opporto	3
Czechoslovakia		Romania	
Bratislava	2A	Bucharest	3
Prague	1	Russia	
Denmark		Moscow	0
Copenhagen	1	St. Petersburg	0
Finland		Spain	
Helsinki	1	Barcelona	2A
France		Bilbao	2A
Bordeaux	2A	Madrid	0
Lyon	1	Rota	2A
Marseille	3	Seville	2A
Nice	3	Sweden	
		Goteborg	2A
		Stockholm	1

Location		Location	
Switzerland		Peru	
Bern	2A	Lima	4
Geneva	1	Piura	4
Zurich	2A	Uruguay	
Ukraine		Montevideo	0
Kiev	0	Venezuela	
United Kingdom		Caracas	4
Belfast	0	Maracaibo	2A
Edinburgh	1	PACIFIC OCEAN AREA	
Edzell	1	Australia	
Glasgow/Renfrew	1	Brisbane	1
Hamilton	1	Canberra	1
Liverpool	1	Melbourne	1
London	2A	Perth	1
Londonderry	1	Sydney	1
Thurso	1	Caroline Islands	
NORTH AMERICA		Koror, Palau Is.	2A
Greenland		Ponape	0
All	1	Fiji	
Canada		Suva	3
Argentia NAS	2A	Johnson Island	
Calgary, Alb	1	All	1
Churchill, Man	0	Mariana Islands	
Cold Lake, Alb	1	Guam	3
Edmonton, Alb	1	Saipan	3
E. Harmon AFB	2A	Tinian	3
Fort Williams, Ont	0	Marshall Islands	
Frobisher N.W. Ter.	0	All	1
Goose Airport	1	New Zealand	
Halifax	1	Auckland	3
Montreal, Quebec	3	Wellington	4
Ottawa, Ont	2A	Papau New Guinea	
St. John's Nfd	3	Port Moresby	3
Toronto, Ont	1	Phillipine Islands	
Vancouver	3	Baguio	3
Winnepeg, Man	1	Cebu	4
		Manila	4
SOUTH AMERICA		Samoa	
Argentina		All	3
Buenos Aires	0	Wake Island	
Bolivia		All	0
La Paz	3		
Santa Cruz	1		
Brazil			
Belem	0		
Belo Horizonte	0		
Brasilia	0		
Manaus	0		
Porto Alegre	0		
Recife	0		
Rio de Janeiro	0		
Salvador	0		
Sao Paulo	1		
Chile			
Santiago	4		
Valparaiso	4		
Colombia			
Bogota	3		
Ecuador			
Guayaquil	3		
Quito	4		
Paraguay			
Asuncion	0		

The above compilation is a partial listing of seismic zones for cities and countries outside of the United States. It has been provided in this code primarily as a source of information, and may not, in all cases, reflect local ordinances or current scientific information.

When an authority having jurisdiction requires seismic design forces that are higher than would be indicated by the above zones, the local requirements shall govern. When an authority having jurisdiction requires seismic design forces that are lower than would be indicated by the above zones, and these forces have been developed with consideration of regional tectonics and up-to-date geologic and seismologic information, the local requirements may be used.

When no local seismic design requirements exist, properly determined information on site-specific ground motions may be used to justify a lower seismic zone. Such site-specific ground motions shall have been developed with proper consideration of regional tectonics and local geologic and seismologic information, and shall have no more than a 10 percent chance of being exceeded in a 50-year period.