**Appendix: International Geotechnical Classification System**

**[GENERAL]**

A [General]
A01 [Geotech. Engineering, Scope & in General]
A02 [Historical Aspects]
A03 [Info. Services & Literature Classification]
A04 [Textbooks, Handbooks, and Periodicals]
A05 [Terminology]
A06 [Companies, Institutes, & Laboratories]
A07 [Societies, Meetings, & Intl. Cooperation]
A08 [Professional Ethics, Legal Req., Codes of Practice, Standards, Regulations]
A09 [Education]
A10 [Research Activities]
A11 [Computer Software(see E13 and G13 for Computer Analyses]

**[EXPLORATIONS & SITE INVESTIGATIONS]**

B [Geological & Environmental Aspects]
B00 [General]
B01 [Formation of Soil and Rocks]
B02 [Hydrogeological Aspects]
B03 [Mass Movements & Land Subsidence (incl.Landslides)]
B04 [Seismic Activity & Crustal Movements]
B05 [Climatic Conditions]
B06 [Submarine Geological Aspects]
B08 [Extraterrestrial Aspects & Rock Conditions]
B09 [Geomorphologic Aspects & Terrain Classification]
B10 [Mineralogical Aspects]
B11 [Description of Regional Soil & Rock Conditions]
B12 [Other Environmental Aspects]

C [Site Investigations]
[Equipment and Techniques of Exploration, Prospection, Sampling and Field Testing of Soils, Rocks, and Groundwater (excl. Determination of Engineering Properties), Presentation of Results]
C00 [General]
C01 [Airphoto Surveys and Remote Sensing]
C02 [Geophysical Surveys/Seismic Exploration]
C03 [Probings/Soundings (incl. Cone and other Penetration Tests, Pressuremeter Tests)]
C04 [Visual Exploration Techniques]
C05 [Boring Techniques and Equipment]
C06 [Sampling]
C07 [Measurement of Field Conditions (incl. Post-Construction Monitoring)]
C08 [Field Testing (excl. Tests for Engineering Properties, see Groups D and F)]
C09 [Presentation of Results, Database]
C10 [Underwater Site Investigations]

**[SOIL]**

D [Soil Properties: Laboratory & In-Situ Determinations] [(incl. Properties of Rockfill, Artificial Soils, Waste Materials) Concepts, Theories, Methods of Determination, Equipment and Results]
D00 [General]
D01 [Classification and Description of Soils]
D02 [Physico-Chemical Properties]
D03 [Composition, Structure, Collapsing Soils, Density, Particle Size, Porosity, Void Ratio, Water Contents]
D04 [Hydraulic Properties (incl. Seepage, Permeability, Leaching, Pore Pressure)]
D05 [Compressibility, Consolidation, Dilation, Swelling]
D06 [Shear Deformation and Strength Properties (incl. Stiffness, Triaxial & Direct Shear, Torsion, Stress/Strain, Elasticity, Plasticity)]
D07 [Dynamic Properties (incl. Repeated, Cyclic and Vibratory Loading, Centrifuges, Earthquake Simulation)]
D08 [Thermal Properties, Temperature and Frost]
D09 [Compactibility/Compacted Soils]
D10 [Properties of Soil-Additive Mixtures]

E [Analysis of Soil Engineering Problems]
[Theoretical, Empirical and Practical Methods of Analysis]
E00 [General]
E01 [Stress Analysis (incl. Craking)]
E02 [Deformation, Stiffness & Settlement Problems]
E03 [Bearing Capacity & Load Testing of Shallow Foundations (incl. Footings)]
E04 [Bearing Capacity & Load Testing of Piles, Deep Foundations, Anchors]
E05 [Earth Pressure Problems]
E06 [Stability of Soil Slopes & Excavations]
E07 [Seepage, Hydraulic Problems (incl. Liquefaction, Pore Pressure, and Lining Studies)]
E08 [Dynamic Problems (incl. Earthquakes and Cyclic/Vibratory Loading)]
E09 [Frost Action and Heat-Transfer Problems (incl. Permafrost)]
E10 [Analysis of Layered Systems & Behavior of Pavements]
E11 [Soil-Vehicle & Soil-Tool Interaction]
E12 [Soil-Structure Interaction]
E13 [Mathematical Methods, Computer Models & Analyses]
E14 [Model Testing and Analysis]

**[ROCK]**

F [Rock Properties: Laboratory and In-Situ Determinations] [Concepts, Theories, Methods of Determination, Equipment and Results]
F00 [General]
F01 [Classification, Description of Rocks & Rock Masses]
F02 [Physico-Chemical Properties]
F03 [Composition, Density & Structural Features]
F04 [Hydraulic Properties]
F05 [Compressibility and Swelling]
F06 [Shear-Deformation & Strength Properties (incl. Triaxial & Direct Shear, Stress/Strain, Torsion)]
F07 [Dynamic Properties (incl. Earthquakes and Cyclic/Vibratory Loading)]
F08 [Thermal Properties]

G [Analysis of Rock-Engineering Problems] [Theoretical, Empirical, and Practical Methods of Analysis]
G00 [General]
G01 [Stress Analysis]
G02 [Deformation & Displacement Problems]
G03 [Bearing Capacity of Rock Masses]
G05 [Rock Pressure on Tunnels & Underground Openings]
G06 [Stability of Rock Slopes & Open Excavations]
G07 [Seepage and other Hydraulic Problems (incl. Liquefaction)]
G08 [Dynamic Problems (incl. Earthquakes and Cyclic/Vibratory Loading)]
G09 [Frost Action & Heat-Transfer Problems]
G12 [Rock-Structure-Interaction & Rock-Tool Interaction]
G13 [Math. Methods, Comp. Analysis]
G14 [Model Testing and Analysis]

**[DESIGN & CONSTRUCTION]**

H [Design, Construction, and Behavior of Engineering Works] [Case Records and/or Descriptions of Engineering Works]
H00 [General]
H01 [Foundations of Structures]
H02 [Retaining Structures, Cut-off Walls, Diaphragms]
H03 [Offshore Structures]
H04 [Dams & Reservoirs, Embankments]
H05 [Tunnels & Underground Openings (incl. Galleries)]
H06 [Roads, Railroads and Airfields]
H07 [Harbors, Canals, & Coastal Engrg. Works]
H08 [Conduits and Culverts]
H09 [Slopes and Unsupported Excavations]
H10 [Land Use]
H11 [Waste Depositories (incl. Landfills, Tailings)]

K [Construction Methods and Equipment]
K00 [General]
K01 [Drainage Methods]
K02 [Sealing and Grouting Processes]
K03 [Preloading and Soil Replacement (incl. Sand Columns and Stone Columns)]
K04 [Earthworks & Rock Excavation, Processing and Transport]
K05 [Compaction Processes]
K06 [Soil Stabilization & Erosion Control]
K07 [Piles and Pile Driving]
K08 [Construction of Caissons and Deep Piers]
K09 [Construction Methods for Shallow Foundations]
K10 [Slurry-Assisted Construction of Foundations and Cut-Off Walls]
K11 [Support of Soil and Rock, Anchoring (incl. Soil Nailing)]
K12 [Offshore Construction]
K13 [Protection Measures against Frost]
K14 [Measures for Improving Deformation & Stability Cond., Reconstruction of Foundations (incl. The use of Geogrids, Geotextiles, Reinforced Soil)]

M [Materials of Construction]
M00 [General]
M01 [Steel]
M02 [Wood]
M03 [Bituminous Materials]
M04 [Plastic & Similar Materials]
M05 [Cement & Chemicals]
M06 [Concrete (incl. Shotcrete and Roller Compacted Concrete)]
M07 [Paints & Coatings]
M08 [Construction Elements]
M09 [Geosynthetics(Geotextiles, Geomembranes, Geogrids, and Geofoam)]

**[RELATED]**

S [Snow & Ice Mechanics and Engineering]
S00 [General]
S01 [Snow & Ice Cover]
S02 [Properties of Snow & Ice]
S03 [Snow & Ice Engineering]

T [Related Disciplines]
T04 [Meteorology & Climatology]
T06 [Civil Engineering]
T07 [Mining Engrg. & Ore Prospecting (including petroleum)]
T12 [Instrumentation & Measuring Techniques]
T14 [Environmental Problems & Nature]