SEISMIC CODE EVALUATION FORM

COUNTRY

NAME OF DOCUMENT:

YEAR:

GENERAL REMARKS:

SPECIFIC ITEMS:

NOTE:

1. **SCOPE**

    1.1 Explicit concepts.
    1.2 Performance Objectives.

2. **SEISMIC ZONING AND SITE CHARACTERIZATION**

    2.1 Seismic Zoning (Quality of Data).
    2.2 Levels of Seismic Intensity.
    2.3 Near Fault considerations.
    2.4 Site Requirements
    2.5 Site Classification.
    2.6 Peak Ground Accelerations (Horizontal and Vertical).

3. **PARAMETERS FOR STRUCTURAL CLASSIFICATION**

    3.1 Occupancy and Importance.
    3.2 Structural Type.
    3.3 Structural Regularity: Plan and Vertical.
    3.4 Structural Redundancy.
    3.5 Ductility of elements and components.

4. SEISMIC ACTIONS

4.1   Elastic Response Spectra (Horizontal and Vertical).
4.2   Design Spectra
4.3   Representation of acceleration time histories.
4.4   Design Ground Displacement.

5. DESIGN FORCES, METHODS OF ANALYSIS AND DRIFT LIMITATIONS

5.1   Load Combinations including Orthogonal Seismic Load Effects.
5.2   Simplified Analysis and Design Procedures.
5.3   Static Method Procedures.
5.4   Mode Superposition Methods.
5.5   Non-Linear Methods.
5.6   Torsional considerations.
5.7   Drift Limitations
5.8   Soil-Structure Interaction Considerations.

6. SAFETY VERIFICATIONS

6.1   Building Separation.
6.2   Requirements for Horizontal Diaphragms.
6.3   Requirements for Foundations.
6.4   P-Δ Considerations.
6.5   Non-Structural Components
6.6   Provisions for Base Isolation
6.7

7. SMALL RESIDENTIAL BUILDINGS

8. PROVISIONS FOR EXISTING BUILDINGS

RECOMMENDATIONS FOR CODE IMPROVEMENT