

# **FORMULATION OF LEVEL 2 EARTHQUAKE MOTIONS FOR CIVIL ENGINEERING STRUCTURES**

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## **ABSTRACT**

The Proposal issued by the Japan Society for Civil Engineers (JSCE) following the 1995 Hyogoken-nanbu earthquake requires to consider Level 2 (L2) motion in seismic design of civil engineering structures. The L2 motion addresses input motions of extremely high intensity like that experienced in Kobe city during the 1995 earthquake. Based on discussions in a task committee of JSCE, this paper describes about definitions and features of the motion, procedures to select scenario earthquakes followed by evaluation of the motion, and its lower bound.