



Beyond Code and Resilience



ICSSC Hybrid Meeting—Fall 2023

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Beyond Code and Resilience

EO 13717 (Feb. 2, 2016)

Establishes a minimum level of seismic safety compliance for new and existing buildings that will be constructed, altered, leased, financed, or regulated by the Federal Government by adopting the latest model building codes and standards.

New Buildings

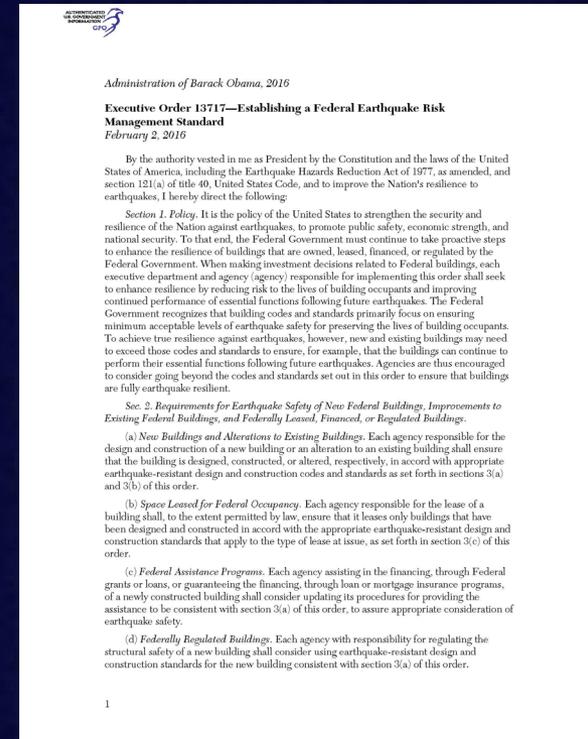
International Building Code (IBC)

International Residential Code (IRC)

Existing Buildings

Standards of Seismic Safety for Existing Federally Owned and Leased Buildings

(latest edition is ICSSC RP 10-22)



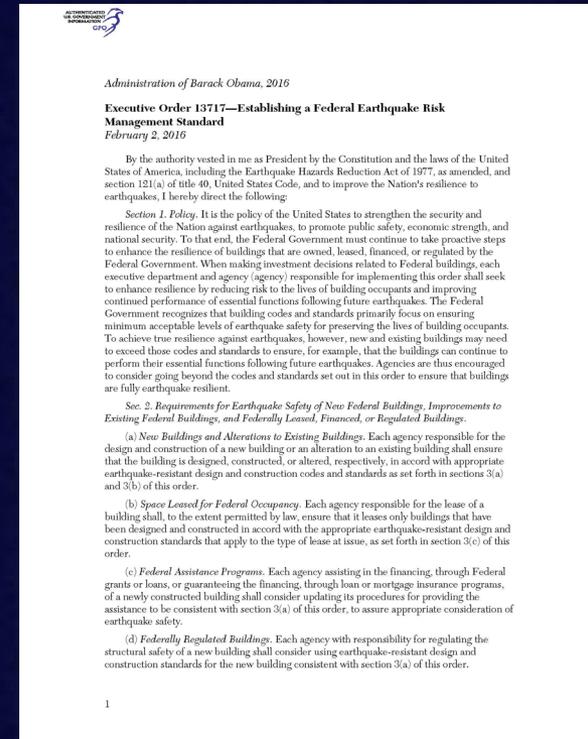
Beyond Code and Resilience, cont'd

EO 13717, Section 1. Policy

... To that end, the Federal Government must continue to take proactive steps to enhance the resilience of buildings that are owned, leased, financed, or regulated by the Federal Government. When making investment decisions related to federal buildings, each agency responsible for implementing this order shall seek to enhance resilience by reducing risk to the lives of building occupants and improving continued performance of essential functions following future earthquakes.

To achieve true resilience against earthquakes, however, new and existing buildings may need to exceed those codes and standards to ensure, for example, that the buildings can continue to perform their essential functions following future earthquakes.

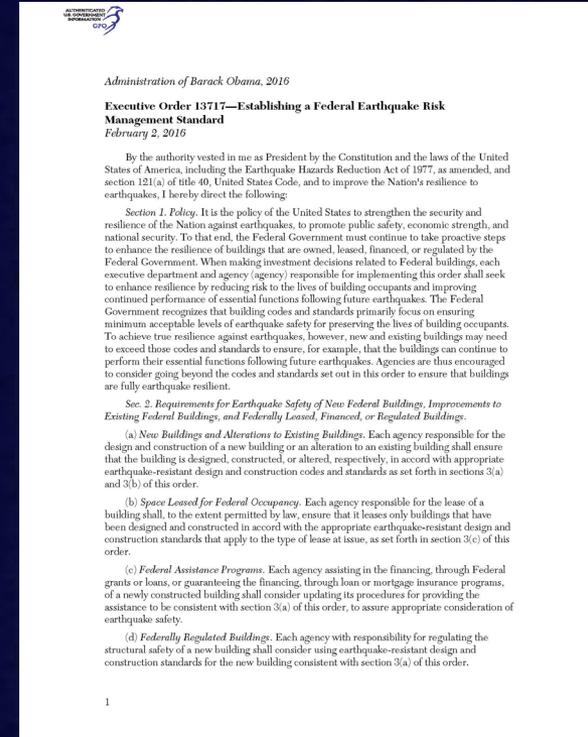
Agencies are thus encouraged to consider going beyond the codes and standards set out in this order to ensure that buildings are fully earthquake resilient.



Beyond Code and Resilience, cont'd

EO 13717, Section 3

(d) Agencies may require higher performance levels than exist in the codes and standards described in sections 3(a), (b), and (c) of this order.



Beyond Code and Resilience, cont'd

EO 13717, Section 4

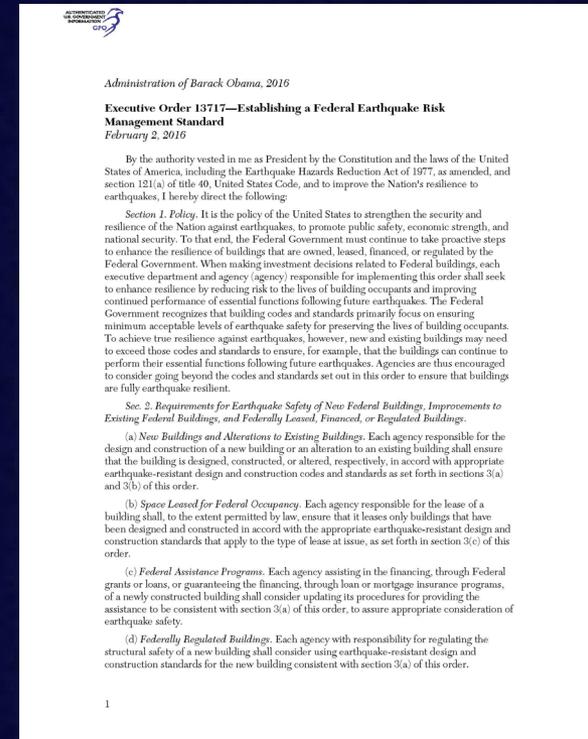
(c) The Director of NIST, on behalf of the ICSSC, shall issue implementing guidelines to assist agency compliance with this order within 8 months of the date of this order. The implementing guidelines shall provide specific guidance, including guidance about the roles and responsibilities of the agencies under section 2 of this order. The implementing guidelines shall also describe the responsibilities and necessary qualifications of the Seismic Safety Coordinator.

--- RP 9 NIST TN 1922 published January 2017

(d) The Director of NIST, on behalf of the ICSSC, shall provide assistance in interpreting the implementing guidelines to the Federal departments and agencies.

--- RP 9 NIST TN 1922 published January 2017

--- ICSSC needs a position paper on going beyond code and standards mandated by the EO and what it means to have a “higher performance level”.



Beyond Code and Resilience, cont'd

Discussion

What is resilience?

Agency?

Building?

What are “essential functions”?

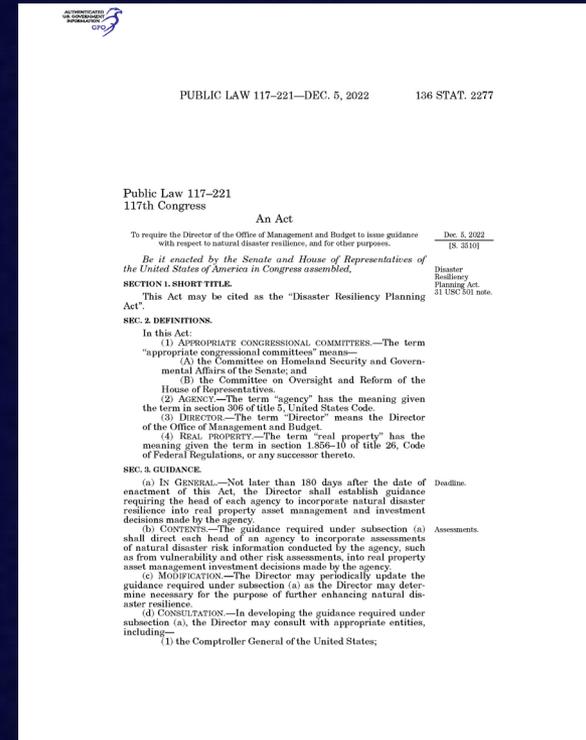
Agency?

Building?

What is a “higher” performance level?

Agency?

Building?



Questions

Thank you!

Please see chat feature for link to sign into meeting

<https://docs.google.com/forms/d/e/1FAIpQLSc1bdDy-GaG5PJHXpjdynGXXKcpMNCazxAqKpWFUqCbV0tY9iA/viewform?usp=sharing>

You can also email ICSSC@nist.gov with your attendance information