IBC - Transitioning from the 2009 to the 2012 Structural Provisions

March 12, 2012

The 2012 *International Building Code* (IBC) was published in May 2011, one year ahead of when a new IBC edition has been published in the past. Adoption is expected to start in late 2012 and gain momentum in early 2013.
The structural provisions of the 2012 IBC are very different from those of the 2009 IBC, primarily because the referenced standard for design loads has changed from ASCE 7-05 to ASCE 7-10. The updated edition contains substantive changes in seismic design provisions, wind design provisions, snow load provisions, design load combinations, and a number of other areas. An overview of these changes will be provided. Importantly, except for the seismic design provisions, the 2012 IBC is not the same as ASCE 7-10. The differences between the structural provisions of ASCE 7-10 and those of the 2012 IBC will be pointed out.

The concrete design standard has changed from ACI 318-08 in the 2009 IBC to ACI 318-11 in the 2012 IBC. Similarly, the masonry design standard has changed from the 2008 edition of the MSJC (Masonry Standards Joint Committee) standard (ACI 530-08/ASCE 6-08/TMS 402-08) to the 2011 edition of the same standard. Structural steel standards have changed from AISC 360-05 and AISC 341-05 in the 2009 IBC to AISC 360-10 and AISC 341-10 in the 2012 IBC. The cold-formed steel standards have not changed, except that Supplement no. 1 dated 2010 to AISI S100-07 and Supplement No. 1 dated 2010 to AISI 213-07 are referenced by the 2012 IBC. Whereas the 2009 IBC referenced NDS-05 and WFCM (*Wood Frame Construction Manual)*-01, the 2012 IBC references NDS-12 and WFCM-12. The 2008 edition of the *Special Design Provisions for Wind and Seismic* (SDPWS), referenced by the 2009 IBC, is also referenced by the 2012 IBC. Major changes in the standards that have been updated will be presented. Changes in Chapter 17 (Special Inspections and Tests) and Chapter 18 (Soils and Foundations) will also be discussed.

Dr. S.K. Ghosh, President of S.K. Ghosh Associates, is known internationally for his work in earthquake engineering. He has influenced seismic design provisions in the United States for many years by serving on or chairing numerous committees and advisory panels. He specializes in the analysis and design, including earthquake resistant design, of reinforced and prestressed concrete structures. Dr. Ghosh is active on many national technical committees, and is a fellow of ACI. He is a member of ACI Committee 318, Std. Bldg. Code, and of the ACI Technical Activities Committee.

The seminar will provide 7.5 hours of continuing education credit. Advance reservations are required – please see instructions below. Lunch is included in the seminar cost. If you have questions on the seminar, please contact Elizabeth O'Connor at 312-726-4165 x301.

Registration Form

Transitioning to 2012 IBC Structural Provisions

March 12 – 8am-5pm

Available via the Web!

☐ CHECK BOX TO REGISTER FOR THE ONLINE CLASS

MAIL FORM AND PAYMENT TO:
SEAOI
134 N. LaSalle Street, Ste. 1910
Chicago, IL 60602
Or fax your registration form to the SEAOI office at 312.726.4166

Name | E-Mail Address | Daytime Phone

Company Name | Cell Phone

Address | Yes No SEAOI Member?

City / State / Zip

☐ Charge to Credit Card ☐ Check Enclosed (payable to SEAOI)

Credit Card Number | Expiration Date | Amount Enclosed

Signature

Registration Deadline: March 1
Late Registration: March 2-9
Cancellation Fee by March 1: $50
No Refunds after March 1

Seminar Location:
UBS Tower – 1 N. Wacker
2nd fl. – Michigan I
Chicago, IL 60606

Seminar Fee:	By March 1	After March 1
SEAOI Members:	$300	$375
Non-Members:	$400	$475