

FEMA P-361 Workshop
Design and Construction Guidance for Safe Rooms
November 8, 2016 | 8:30 am – 5:00 pm
Embassy Suites Nashville Airport, Nashville, TN

Course Description

This 1-day training course presents design and construction of safe rooms for tornadoes and hurricanes using the third edition of FEMA P-361, [*Safe Rooms for Tornadoes and Hurricanes: Guidance for Community and Residential Safe Rooms*](#) (2015). The target audience is architects, engineers, and emergency managers. The course discusses how safe room design and construction criteria have changed over the years. The course addresses how this edition of FEMA P-361 criteria was developed to complement and be used in association with the requirements of the International Code Council / National Storm Shelter Association (ICC/NSSA) 500 *Standard for the Design and Construction of Storm Shelters* (ICC 500). Specific guidance is provided for operational and emergency management issues, which are not addressed in the ICC 500 standard. The workshop further covers the Recommended Criteria found in FEMA P-361 that differ from the ICC 500 standard. FEMA P-361 is the basis of the technical design and operational criteria that become requirements when used for FEMA Mitigation grant programs that help fund the design and construction of hurricane and tornado safe rooms.

Instructor Bios

John “Bud” Plisich, FEMA Region IV - Mr. Plisich serves as a Civil Engineer for FEMA region IV in Atlanta. Bud has 23 years of engineering experience, 16 with FEMA, along with prior military. John’s Building Science Role involves coordination with various levels of government, academia, the private sector, property owners, non-profits, design professionals and others as appropriate for carrying out mitigation activities to reduce damage and casualties. Bud has deployed to many events, including tornadoes, tropical storms, flooding and hurricanes, including being on three Mitigation Assessment Teams (MAT) for Hurricanes Katrina, Sandy and the 2011 Tornado outbreak.

Glenn Overcash, PE, AECOM - Mr. Overcash has over fifteen years of experience performing residential structural design, plans review, field observations, and providing technical support for FEMA’s Building Science Branch through codes and standards monitoring and the development and review of design and construction publications and trainings. He managed the project to update FEMA P-361, *Safe Rooms for Tornadoes and Hurricanes, Guidance for Community and Residential Safe Rooms* (2015).

Pataya Scott, EIT, AECOM – Ms. Scott has been a structural engineer in the Resiliency Engineering & Security group at AECOM for two years and is also working on her PhD in wind engineering from Texas Tech University. She has over 6 years of experience in the safe room and storm shelter industry. She has contributed to FEMA’s recent publication updates on safe room design and construction guidance and provides technical support to FEMA on safe room related topics.

Course Registration

The cost by FEMA for the workshop is free, but there will be a minimal charge of \$50 to cover lunch and registration processing by the National Storm Shelter Association (NSSA), the sponsor for this workshop. Attendees must register in advance by filling out the attached registration form and emailing it to info@nssa.cc. Lunch will be provided on site to enable adequate time to cover the material and leave room for questions. Please register as soon as possible to get your seat. Registration will cutoff at 75 and the workshop will be cancelled by FEMA if there is less than 20. Both non-NSSA and NSSA members are highly encouraged to attend. All attendees will be provided a student manual and a FEMA resource having numerous FEMA Building Science publications, Fact Sheets and Recovery Advisories for reference. Separate registration is also required for those planning to attend the NSSA Annual Meeting on November 9th and 10th.

Continuing Education

Workshop attendees will receive a certificate of completion indicating 7 PDHs, for those who wish to self-report their PDHs for engineering or architecture licensure.