



# Education & Training Streamer

**Post Name:** San Diego  
**Post Size:** Large  
**Date:** 23 JAN 2009  
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**1. Principal Criteria:** Education and training programs on Topics below: **REQUIRED**

3 of the 8 topics (1A-1H)

**DESIRED** Remaining 5 topics not used for required (see metrics for number of desired needed based on Post size)

- 1A) Combat Engineering (e.g., RED HORSE, Seabees, and Army Engineer Units)
- 1B) Emerging technologies
- 1C) LEED and construction
- 1D) Small business (e.g. Mentor-Protégé)
- 1E) Environmental sustainability & stewardship, including green building design considerations
- 1F) Facility and infrastructure life cycle management
- 1G) Corporate information management (e.g. GIS, GeoBase, other Knowledge Management programs)
- 1H) Water resources planning and management, including water and wastewater

**2. Principal Criteria:** Support licensure and certifications

**DESIRED** 2A, 2B or both

- 2A) Awarded PDH's in compliance with the "SAME Guide to Continuing Professional Competency" by a designated, qualified Education and Training POC of the Post, consistent with State licensing board requirements
- 2B) Supported Members in their preparation for licensure and/or certification examinations

**3. Principal Criteria:** Conduct meetings that support business interests of Society members

**REQUIRED** Either 3A or 3B

**DESIRED** Remaining topic

- 3A) SAME meetings provided future program, project, and contract opportunities for Department of Defense programs in the local area or region
- 3B) SAME meetings also hosted speakers to discuss future program, project, and contract opportunities for non-DOD programs at the Federal, State or local levels

**4. Principal Criteria:** Encourage members to submit articles for publication

**DESIRED** 4A

- 4A) Submit articles to *The Military Engineer* or other professional journals

**1. Principal Criteria:** Education and training programs on Topics below: **REQUIRED**  
3 of the 8 topics (1A-1H)  
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San Diego Post Luncheon Education briefs are posted to:

<http://samesandiego.org/pptArchive.php>

Most Post Education and Training are executed during our monthly business luncheons (on the second Wednesday of each month) where we invite speakers and firms to provide briefs and seminars that align with SAME Education and Training Goals and Objectives. We also have taken several tours to construction sites, educational settings or visited other SAME-related conferences.

**1A) Combat Engineering (e.g., RED HORSE, Seabees, and Army Engineer Units):**

On 09 April, CAPT Bob Fahey, CEC, USN, LCDR Angel Santiago, CEC, USN, LT Nick Mueller, CEC, USN, and UT1 (SCW/FMF) Joshua Hullsiek, USN, briefed the SD Post on their collective experiences during Individual Augmentee assignments to Djibouti, Afghanistan, Afghanistan and Iraq, respectively. CAPT Fahey was the first Navy Commanding Officer of Camp Lemonier, Djibouti and served there a full year. LCDR Santiago was the post's Morrell Medal nominee in 2007. LT Mueller spent a full year in Afghanistan. And UT1 Joshua Hullsiek was inserted with combat Marines on a nation-building mission, earning a Bronze Star for his valiant efforts outside the wire in the local communities. NAVFAC SW has deployed over 50 officers (active and reserve) and civil servants in Individual Augmentees and Naval Construction Forces to Iraq, Afghanistan, and Africa in support of the Global War on Terror. In addition, many NAVFAC wardroom and SAME San Diego Post members have served in the Naval Construction Force or the Army Corps of Engineers Combat Engineer Battalions, which adds depth to our focus on Contingency Engineering.

**1B) Emerging technologies:** On 10 September, Steve Beine of Sustaining Member Firm, RBF, gave an "Inspector Gadget" brief on the Electronic Office. He provided information on the latest information on hardware/software; networking; web/internet; CAD/GIS; and Surveying/GPS/Photogrammetry. He focused on lightweight, high-speed tools that could be used to connect the field to the home office. His brief can be found at:

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Furthermore, on 08 October, the Post toured the University California of San Diego, Englekirk seismic facility; the lab is a leader seismic/structural studies. A plant tour was provided as well as a blast demonstration.

**1C) Efficient Design and Construction:** On several occasions throughout 2008, San Diego Post Members toured the Pacific Beacon Public Private Venture (PPV) High-Rise. This is the first PPV barracks project in the Navy; featuring four, 18-story facilities housing 941 apartments at Naval Base San Diego. The concept of Design-Build-Operate-Maintain is imbued in a 50-year deal whereby a Limited Liability Corporation (LLC) is formed with experts from the same LLC managing each stage of the facility lifecycle. Federal land and funding are leveraged with private capital and Navy Basic Allowance for Housing rent streams to greatly improve the standard of living for navy sailors and improve facility performance over a sustained period. This PPV structure enabled efficient design and construction with a parking structure and all four towers completing well ahead of schedule. We attended the ribbon cutting on the first two towers in December as they opened three months ahead of schedule. The efficiency was also translated into more amenities for sailors inclusive of on-site pools, gyms, bigger rooms, modern appliances, architectural features, and concessions.

On 13 August 2008, COL Magness, USA, Commander and Los Angeles District Engineer, presented an update to the Post on the Mexican Border Fence Construction, and his District's construction outlook of over one billion dollars a year. He relayed the complexities of this huge undertaking and the technologies employed.

**1D) Small business, e.g. Mentor-Protégé:** The SD Post continues to support and to facilitate Small Business and Mentor-Protégé programs. Approximately 40% of SD Post's sustaining membership is made up of small businesses. The Post's Small Business Director, Steve Geyer, participates in each monthly program / luncheon by engaging with small businesses, encouraging their participation in SAME and connecting them with appropriate large business sustaining members.

Mr. Geyer has built a strong tradition of hosting a Small Business Panel each January, which continues to be our highest attending event. This past year, three small business professionals were invited to speak on 09 January 2008:

- Ms. Linda Ryan, Small Business Director for NAVFAC SW
- Mr. Tom Clark, Capital Improvements Business Line, NAVFAC SW
- Ms. Linda Coakley of the San Diego Small Business Administration
- Ms. Charlene McAdory of Centre City Development Corporation of San Diego.

At this luncheon, small business members were encouraged to network and discuss their company's services and what they have to offer the Navy and other team partners.

Additionally, each month our Featured Firm Director, Candice Benn, coordinated a presentation from a sustaining member firm at our monthly business luncheons, which has served as a platform to integrate small and large firms.

**1E) Environmental sustainability & stewardship, including green building design considerations:** On 12 November, SAME San Diego BOD members, Matt Dorman and Jon Arenz, set up a well-attended Leadership in Energy and Environmental Design (LEED) seminar for our second annual offering. Three speakers presented with private and public perspectives:

- Mr. Frank Shadpour, PE, President of SC Engineer, Inc, and an ASHRAE Fellow. He is the author of, "Fundamentals of HVAC Direct Digital Control"; and past Chair of ASHRAE Technical Committee TC1.4- Control Theory and Application.
- Mr. Michael G. Marshall, Principal and Founding Partner, Vasquez Marshall Architects, presented his perspective on the U. S. Green Building Council's LEED Program.
- Mr. Gary Anderson , PE, NAVFAC Southwest's Sustainable Program Coordinator, presented the DoD and Navy's Sustainable Design and Construction requirements. All projects in 2009 and beyond will entail LEED Silver certification.

At the Post luncheon the same day, Mr. Marshall presented on LEED/USGBC, Certifications, Military Requirements and future trends. His presentation can be found at:

[http://www.samesandiego.org/PPTArchive/SAME\\_USGBC\\_20081112v2.ppt](http://www.samesandiego.org/PPTArchive/SAME_USGBC_20081112v2.ppt)

Additionally, Commander Navy Region Southwest, with direct support from NAVFAC Southwest SAME Members, penned a comprehensive, cutting-edge Sustainability Program Goals document that covered: Procurement, Smart Development, Energy and Water Conservation, LEED Building Design and Facility Services, Transportation, Environmental Planning. Our members continue to engage City, County, State, DoD, and Congressional members in conventional and renewable energy initiatives. This year we invited executives from Disney and Seaworld to our renewable energy sites in an information exchange effort. Another initiative involved cooperation with the City and County of San Diego's water conservation efforts whereby Metro San Diego Naval Bases saved 14% in water consumption as compared to 2007. This effort was a direct result of Sustaining Member Firm Resource Efficiency Managers' focus on irrigation and aggressive placement of Smart Landscaping.

### **1F) Facility and Infrastructure Life Cycle Management:**

Four of our SD SAME Post luncheon briefs focused on Life Cycle Facility Management.

On 13 February, CAPT Steve Wirsching, CEC, USN (President of the San Diego Post) presented his infrastructure ownership perspective on the \$34 Billion physical plant he manages for Navy Region SW via four business lines: Asset Management; Capital Improvements; Public Works; and Environmental.

On 14 May, County of San Diego Supervisor, Ron Roberts shared his perspectives from 12 years as the head on one our country's largest municipal infrastructures.

They have a healthy financial rating and are undergoing some significant capital improvements projects utilizing a variety of delivery methods.

On 11 June, City of San Diego Water Director, CAPT Jim Barrett, CEC, USN (ret), F. SAME, provided an update on the huge financial and capital improvements plans he put in place to sustain the massive and failing infrastructure.

On 12 November, we hosted our second annual LEED seminar and gave a luncheon presentation to the entire Post as summarized above.

**1G) Corporate Information Management, e.g. GIS, GeoBase, other Knowledge Management programs:** On 10 September, Steve Beine of Sustaining Member Firm RBF, gave an “Inspector Gadget” brief on the Electronic Office. He provided information on the latest information on: hardware/software; networking; web/internet; CAD/GIS; and Surveying/GPS/Photogrammetry. He focused on lightweight, high-speed tools that could be used to connect the field to the home office. His brief can be found at:

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Additionally, the annual international ESRI conference is held in August at the San Diego Convention Center and is widely attended by SD SAME Members.

**1H) Water Resources Planning and Management, including Water and Wastewater:** On 11 June, CAPT Jim Barrett, CEC, USN (ret), F. SAME, Director of the City of San Diego Water Department, briefed the Post on Water Resource Planning and Management. His presentation included the upcoming capital improvements planning, some of the interesting public opinion and bonding hurdles, and a summary of the recent Sacramento District Court ruling to shut off pumping from the Sacramento River Delta to protect an endangered species. This ruling will have a significant impact on all water authorities within Southern California in the years to come. He also engaged the Navy, requesting they reduce consumption by 10%. SD SAME Post members played a key role in exceeding his expectations by conserving 14% over the previous year.

**2. Principal Criteria:** Support licensure and certifications  
**DESIRED** 2A, 2B or both

**2A) Award PDH's in compliance with the "SAME Guide to Continuing Professional Competency" by a designated, qualified Education and Training POC of the Post, consistent with State licensing board requirements:**

The SD Post Board of Directors continued its program of awarding PDH certificates to members attending the educational and training presentations. Certificates were provided at check-in and on the tables during the luncheon portion of the business meeting; they were turned in for signature to the Post President at the end of each luncheon or seminar.

**2B) Support members in their preparation for licensure and/or certification examinations:**

The SD Post continued the program to encourage professional registration of its members. This program applies to architects, engineers, planners, and land surveyors. It is composed of three parts:

- 1) Publicly recognizing members that achieve their professional registration at the Post's monthly meetings.
- 2) Paying the luncheon fee for newly-registered individuals in the month of presentation to the post.
- 3) Covering the cost of examination materials up to \$100 for SAME members upon their successful registration.

This recognition program has been an investment in the future of the San Diego professional services community and assists in attracting new Young Members to the Post.

Additionally this year, the Construction Management Association of America was invited to present at the November luncheon on the certification process.



**3. Principal Criteria:** Conduct meetings that support business interests of Society members

**REQUIRED** Either 3A or 3B

**DESIRED** Remaining topic

**3A) *Future program, project, and contract opportunities for Department of Defense programs in the local area or region:*** Four program outlooks with major contract opportunities were briefed to the San Diego Post. On 09 January, the NAVFAC SW Small Business/Capital Improvements duo of Linda Ryan and Tom Clark, provided an update on Small Business Opportunities. In February, CAPT Steve Wirsching, CEC, USN Post President, offered the NAVFAC SW outlook of over two billion dollars across four business lines at 18 installations. On 09 July, LCDR Whit Robinson, CEC, USN, NAVFAC SW Coastal Operations Officer briefed on his 600-person Public Works efforts on the San Diego waterfront and his contract support to five major installations. Finally, on 13 August, COL Magness, USA, Commander of the LA District, presented his one billion dollar program.

**3A) *Future program, project, and contract opportunities for non-DOD programs at the Federal, State or local levels:*** Three Post lunches hosted local city, county, and state owner representatives that had significant project portfolio forecasts. On 09 January, Ms. Linda Coakley of the San Diego Small Business Administration and Ms. Charlene McAdory of Centre City Development Corporation of San Diego briefed the Post on local small business development opportunities. On 14 May, San Diego County Supervisor Ron Roberts outlined major construction in roads, health care, prisons and County Operations Centers. Finally, on 11 June, City of San Diego Water Director, CAPT Jim Barrett, CEC, USN (ret), F. SAME, briefed his financial and capital improvements overhauls.

**4. Principal Criteria:** Encourage members to submit articles for publication  
**DESIRED 4A**

**4A) *Submit articles to The Military Engineer or other professional journals:*** SD Post BOD Chair for Public Affairs, NK Mbaya, helped members and firms submit numerous articles to the SAME NEWS, The Military Engineer, and Professional Journals:

- CAPT Roger Frauenfelder, CEC, USN (Ret) (F. SAME) led a group of Young Member volunteers during the week-long experience that included: testing concrete cylinders; constructing Popsicle stick bridges, visits to construction sites, and design-build-race cardboard boats.

Young Member Leader and Construction Camp Mentor, Allison Basche, submitted an article to The Military Engineer magazine that was published in the September/October edition and presented our experience at the SAME Post Leadership conference in September. The camps were also featured in ENR's Aug/Sep 2008 edition titled Engineering "Boot Camps" Boost Competitive Spirit.

- The San Diego Post Awards Scholarships were submitted to SAME NEWS. The post generously awarded \$28,500 to seven students at local colleges and the College Opportunity Fund. Award amounts ranged from \$2,500-\$5,000 per student. The Post Scholarship fund is supported by the San Diego Post Scholarship Trust that has made significant gains from Sustaining Member investments and an annual Golf Tournament coordinated by BOD Member, John Harris, of RBF Consulting. The Tournament netted over \$13,000 this year.
- The San Diego Post High School Science Scholarship winners were also submitted for publication in the SAME NEWS. Three students won scholarship awards based upon their science projects.
- A dozen Young Members participated in Habitat for Humanity as "hammer swingers" over the weekend of 13 September 2008 to build houses in the San Juan Capistrano. BOD member, LTjg Dalone Jenkins, CEC, USN, posted an article in the NAVFAC SW Connection highlighting the highly successful event.