



# CfMSS

"Promoting Maritime Business & Security"

## Center for Maritime Systems & Security

### Center for Maritime Systems & Security (CfMSS)

Meeting Notes - Friday, January 12, 2007

National University Academic Center

9388 Lightwave Drive / San Diego, CA

The meeting was called to order by Michael Jones at 9:10 AM. There were 62 attendees from multiple commercial and government entities, including representatives from Australia, Canada and the U.K.

#### Welcome and Overview of the Meeting

Michael Jones welcomed the attendees and provided an overview of the meeting. The meeting will feature a background of the CfMSS and *The Security Network*, a presentation from John MacIntyre (Homeland Security Program Manager for SD Unified Port District), three company overviews doing business in the maritime industry, and a technology presentation/commercialization opportunity.

He provided a briefing on *The Security Network* and reminded all to mark the dates of the 4th annual **The Security Summit** scheduled for 6-7 June 2007 at the SD Air & Space Museum – over 60 competitors are expected to enter the Most Innovative Security Technology Competition, which will feature up to 30 judges, including law enforcement and defense research centers from Australia, Canada, the U.K. and the U.S. He also discussed CfMSS and its mission to promote the maritime security and sciences cluster in the San Diego/Baja California regions. It is the intent of the CfMSS to provide a neutral forum through which organizations engaged in the maritime industry and sciences cluster can meet to network, share information, and help develop new business opportunities.

#### Homeland Security Strategic Outlook – John MacIntyre – HLS Program Manager – SD Unified Port District

John MacIntyre briefed the meeting attendees on the mission of the SD Unified Port District's security program. His briefing included a background on the Port District including jurisdictional area, economic impact, shipping, and cruise line visits. He outlined the Port's security concerns including shoreline, port terminals, hotels, shipyards, convention center, and airport. He described the Port's role in the Joint Harbor Operations Center (JHOC) and collaborations with the Coast Guard, City and County of San Diego, FBI, and Urban Area Security Initiative Working Group. Recent grants have provided for new intrusion detection systems for terminals, additional security boats for the Harbor Police. He noted that underwater surveillance is a huge unaddressed security need for the Port. John emphasized several important points that make the Port of San Diego quite unusual and a particularly interesting place to try new technologies and techniques: 1) The Port Authority operates a stretch of land that is both compact but with an enormous array of different kinds of businesses (from hotels to a major shipyard); 2) The Port Authority operates both the port and the terminals (versus having historically leased-out terminals as is the case in most ports); and 3) that the harbor vessel traffic is very large and incredibly varied (recreational boats, navy vessels, commercial and container ships, and an increasing number of cruise ships). John confirmed that the Port is prepared to work with companies on a selective basis as a test bed - subject to meeting all appropriate rules and regulations of the port and there be nominal or no hard costs to the Port.

#### CICESE – Location of February 9, 2007 CfMSS Meeting

Dr. Federico Graef, Director General of CICESE ([www.cicese.mx](http://www.cicese.mx)), announced that CICESE is pleased to be hosting the next meeting of the CfMSS on February 9 from 10:00 AM – 12:00 Noon. **NOTE: CICESE is one of the leading Mexican technical universities and it the leading maritime center in Mexico.** A very attractive group rate has been arranged at Hotel Coral y Marina - a first class hotel across the highway from CICESE - for attendees interested in driving down on Thursday, Feb. 8 and an optional group wine tasting dinner will be organized for interested parties.

#### Port Security Week – Vancouver, BC and other announcements

Sean Barr, Consul & Trade Commissioner of the Canadian Consulate San Diego, made three announcements:

- 1) that Vancouver will be hosting Port Security Week the week of February 12, 2007. Port Security Directors from around the country have been invited to attend and Michael Jones will be attending, as well, as Chair of *The Security Network* and CfMSS (info is available at: [http://www.bcinnovationcouncil.com/initiatives/ocean\\_marine/marine\\_security.php?id=5&press=1&draw\\_column=3:2:2](http://www.bcinnovationcouncil.com/initiatives/ocean_marine/marine_security.php?id=5&press=1&draw_column=3:2:2));
- 2) the Canadian Consulate and the National Research Council of Canada (equivalent to the U.S. National Science Foundation) will be leading a mission of Canadian Maritime companies to San Diego to coincide with the April CfMSS meeting – more details will be available at the Feb. CfMSS meeting and on-line.

3) the international **OCEANS** conference ([www.oceans2007.org](http://www.oceans2007.org)) will be held this year in Vancouver from September 29 through October 4 (it was held in San Diego in 2002).

### **SSC San Diego – SPAWAR Systems San Diego Presentation**

Dr. Stephen Lieberman (Director of Technology Transfer for SSC San Diego) explained technology transfer office's role in showcasing technologies developed at the SPAWAR lab in order to license them to private companies for commercialization. Steve is also the FLC Far West Regional Coordinator working with National Laboratories to help commercialize their products, as well. Steve will be coordinating the effort to find and bring forward various maritime security technologies for presentation at monthly **CfMSS** meetings and for posting on the website. For today's technology presentation, he introduced Dr. David Lapota the inventor of a number of Bio Buoy technologies designed to measure bioluminescence, toxicity and other factors in ocean waters, which has defense and commercial applications (see information under the "Technologies to License" tab on the website). Over \$1 million in R&D funds have been allocated to these projects. A number of the prototypes have been tested and are being utilized by the U.S. Armed Forces. Gary Eaton (San Diego County Water Authority) noted that the Water Authority is interested in evaluating this technology for water testing in the County's reservoirs.

### **Company Profiles**

Michael Jones noted that at each **CfMSS** monthly meetings principals of companies and organizations engaged in maritime security and sciences will present an overview of their enterprises. The following companies and principals delivered a brief presentation of their company's and their maritime industrial products:

- Leonard Poole – SIDUS Solutions, Inc.  
SIDUS Solutions focuses on integrated information technologies for security, life safety, asset management, homeland security and incorporates both wired and wireless intrusion, fire and gas protection and access control systems for commercial application. SIDUS offers product sales, manufacturing, engineering, design, and commissioning services of industrial closed circuit video and security products.
- Brock Rosenthal – Maritime Technology Society  
The MTS is an industry organization composed of industry, academic organizations, and government. It is a national organization with a local chapter based in San Diego. The national organization contains approximately 3,000 members. Brock mentioned that there is a current vacancy for the Chair of the MTS Maritime Security Committee and invited those interested to contact him about the vacancy.
- Don Rodocker – SeaBotix, Inc.  
SeaBotix is one the world leaders in development and manufacture of mini ROVs (remotely operated [underwater] vehicles). SeaBotix employs 36 individuals with office in San Diego and Perth, Australia. The San Diego office engages in production, engineering and administration. The Perth office engages in marketing, sales, training, and field testing. SeaBotix ROVs have hundreds of applications, including oil platform operations and inspections, bridge and dam inspections, maritime security, search and recovery, aquaculture pen inspection, scientific research, nuclear facility inspection, etc.
- Bruce Roberts – CUBIC Corporation  
Cubic employs 6,000 people worldwide. Its two major business units are: Defense (68% of revenues) and Transportation (30% of revenues). The Defense unit provides mission support services, training systems, and communications and electronics. The Transportation unit provides public transit integrated fare collection systems and early warning explosive detection systems for mass transit systems. Cubic is very interested in partnering with small to medium size companies and is constantly look for new technologies to incorporate in its own product offerings.

### **Adjournment and Next Meeting**

Michael Jones reminded the attendees that the 9 February **CfMSS** meeting will be hosted by CICESE in Ensenada, Baja California. Efforts are being made to finalize the Ensenada Port Director as the keynote speaker. A wine tasting dinner at a nice local restaurant has been planned for those that plan to spend the night before - Thursday night, Feb. 8 in Ensenada.

**Details will be made available via flyers to those on the CfMSS e-mailing list and will be posted on the website.**

The meeting was adjourned at 11:10 AM.