

**Excellence in Space and Missile Defense — SMDC/ARSTRAT 1957-2007**

# A Golden Anniversary SMDC/ARSTRAT Celebrates 50 Years

**By SMDC/ARSTRAT  
50th Anniversary Committee**

**O**n Oct. 3, 1957, the Army established the Redstone Anti-Missile Missile System Office.

For the last 50 years, the command has developed and fielded systems to protect the nation and the Soldier with missile defense and space resources. To recognize and honor these accomplishments, the command has initiated a series of events hosted across the organization for 2007. The goal was to select events which highlight a particular community and which may be replicated across the board.

The year of celebration began quietly with a series of articles which have and will continue to appear in *The Eagle* and the introduction of a 50th anniversary Web site — “This Week in SMDC/ARSTRAT History.” The e-mail trailers — “*From Concept to Combat, Celebrating 50 Years of Excellence in Missile Defense and Space, SMDC/ARSTRAT, 1957-2007*” went online on May 1, introducing our correspondents to the command’s accomplishments.

In April, we conducted a 50th anniversary logo design competition. We received 26 entries from employees and family members from across the command — California, Colorado Springs, Colo., Huntsville, Ala., and abroad, as well as friends of SMDC/ARSTRAT. Thank you to all who entered.

The big events began in May. The SMDC/ARSTRAT Ball held at the Antlers Hilton in Colorado Springs May 11, had a 50th anniversary theme

and recognized Army Space Pioneers. Retired Army Lt. Gen. Edward G. Anderson III, former commander SMDC/ARSTRAT, deputy commander U.S. Space Command and U.S. Northern Command, was the guest speaker.

Tied to the BRAC (base realignment and closure) transfer, the key event for June is the Flag Uncasing Ceremony in Huntsville June 26, which will mark the official transfer of the Headquarters from Arlington, Va. The event will be held at the Sparkman Center’s Robert E. Jones Auditorium on Redstone Arsenal, Ala.

The summer is a time for picnics and reunions. The community picnic in Colorado Springs will be June 22. Huntsville is hosting a reunion picnic July 11, at the NASA picnic area on Redstone Arsenal for SMDC/ARSTRAT employees, family members and retirees.

In August, we will celebrate with the Space and Missile Defense Conference. Conducted in Huntsville, Aug. 14-17, the conference theme is “Celebrating 50 Years of Space and Missile Defense.” The annual conference golf tournament will be Aug. 13.

In honor of Oktoberfest, the command is hosting a volksmarch in September on Redstone Arsenal. No date has been set as yet. A survey sheet will soon be added to the CommandNet to gauge interest in the various facets of the event — length, refreshments, awards (T-shirts/steins), etc. We encourage everyone to participate in the survey.

To recognize the command’s

birthday, SMDC/ARSTRAT is hosting a dinner at the Von Braun Center in Huntsville Oct. 3. In conjunction with the dinner and AUSA (Association of the United States Army) national event in Washington, a commemorative book entitled *Army Space and Missile Defense Command: Pioneering Space and Missile Defense for 50 Years* will be released.

In November, Kwajalein traditionally hosts its own Veteran’s Day Parade. We are encouraging each location to participate in their communities’ celebrations. Finally, we conclude the year with the annual holiday open house, an

opportunity to introduce family members to your SMDC/ARSTRAT family.

In addition to these specific events, the Historical Office is developing a timeline brochure recognizing the command’s key products and initiatives and a commemorative calendar. The Public Affairs Office is coordinating proclamations and special sections in the community newspapers. In conjunction with these efforts, the 50th anniversary committee is exploring other opportunities — shirts, coffee mugs, coins and a holiday ornament.

Come join us in a year of celebration!

**SMDC/ARSTRAT  
50th Anniversary Calendar of Events**

**May**

11 — SMDC/ARSTRAT Birthday Ball (COS)  
18 — Logo Contest Winners Announced

**June**

22 — SMDC/ARSTRAT Picnic (COS)  
26 — Uncasing Ceremony (HSV)

**July**

11 — SMDC/ARSTRAT Reunion Picnic (HSV)

**August**

13 — Conference Golf Tournament (HSV)  
14-17 — Space and Missile Defense Conference (HSV)

**September**

TBD — Volksmarch

**October**

3 — Anniversary Dinner (HSV)

**November**

11 — Veteran’s Day Celebrations

**December**

TBD — Holiday Open House/Party

## Creation of Future Warfare Center

the Eagle). The reorganized Battle Lab consisted of two organizations from the former Missile Defense Directorate in Huntsville, Ala., two from the Space Directorate in Colorado Springs, Colo., and some elements from the FDIC, and brought them all under the Battle Lab umbrella. The Battle Lab’s role is to mature warfighting concepts, focus military science and technology research, and conduct warfighting experiments associated with the space and missile defense mission. This mission includes the delivery of innovations to the warfighter through prototyping, operational analysis, and experimentation in support of current and future forces. Composed of five divisions, the Battle Lab addresses the immediate needs of the warfighter and the future needs of the force:

- The Frontiers Division takes a deep look at the needs of the Future Force more than 15 years out. This division works with the U.S. Strategic Command and participates in wargames at that level.
- The Future Concepts and Architectures Division looks at the Future Force 10-15 years out —

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U.S. Army photo

Battle Lab civilians help airload the Future Operational Capability (FOC) on Sept. 12, 2001, as part of a mobilization in response to the 9/11 terrorist attacks in New York and Washington, DC.





# Alpha Company executes emergency action plans

By Sgt. John Kirk  
Unit reporter

**FORT DETRICK, Md.** — Buildings exploding in flames and terrorist attacks are not a usual occurrence at any of 53rd Signal Battalion's Wideband Satellite Operations Centers, but they are something that Soldiers must remain ever ready for.

At Alpha Company, 53rd Signal Battalion, Soldiers recently got a chance to put their emergency preparation into action during a variety of worst-case scenarios.

On March 26, Alpha Company's 3rd squad got a call alluding to a "bomb" placed inside the building. This initiated a flurry of activity including a call to police, handing over the company's mission, securing all classified material on the floor, getting a Soldier out to open the compound gate for police, briefing the police as to what occurred during the bomb threat phone call, forming search teams in conjunction with the local police and searching for explosives with only emergency lighting. The "bomb" was found and removed by the bomb squad, ensuring the safety of the Soldiers and allowing the vital satellite control mission to be resumed to continue

another day.

The next day, 1st squad had just settled into the rhythm of the day when Sgt. Gary Grooms, on his first day working at the unit, left the operations floor to find the hallway full of smoke. After turning to an evaluator and ensuring this was not a typical condition, he informed the rest of his squad of a fire in the building. "It was definitely an interesting first day," said Grooms. The squad swiftly handed over and went through a whirlwind race to move all classified materials to fireproof containers as well as calling 911 and, once again, getting a Soldier out to open the gate for the fire department and evacuating all personnel from the building. After the fire department cleared the building the Soldiers once again resumed their mission and normality was returned.

Normality, however, is a fragile state, as 2nd squad found out the next day when they were informed that Fort Detrick was seriously threatened, and they were to destroy all classified material in the building and evacuate. Again the floor was thrown into chaos, with Soldiers trying to hand over the mission as well as identify and destroy all classified material. As sledge-



Photo by Capt. Patrick Smith

Assistant Fire Chief Steven Heller conducts an after action report on the fire evacuation of Alpha Company's Operations Center at Fort Detrick, Md.

hammers suddenly found themselves at a premium, the senior satellite controller's calm and collected coordination allowed the squad to gain access to, identify and properly destroy the classified material on the floor before evacuating the building.

None of these scenarios were real, but each of them gave Soldiers a greater appreciation for the obstacles they would be facing during a real emergency and better prepare the Soldiers of Alpha Company

to survive what could otherwise be fatal events.

"This was great, realistic training ... and something we needed," said Sgt. Blair Boggs. "Having a smoke machine in the building really intensified the fire evacuation procedures." Evaluation of each scenario allowed for observation of potential real world constraints that had previously been overlooked, helping to ensure the welfare and safety of the Soldiers and the mission.

## FWC

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Organizations and Operations, Units of Action and Units of Employment.

- The Experiments and Transformation Division works concepts, initiatives and the Advanced Concept and Technology Demonstrations with a focus out 5-10 years.

- The Space Division and the Missile Defense Division are responsible for developing prototypes, tools, hardware, and future operational concepts and capabilities for the warfighter, focusing on 0-5 years out.

The FDIC was also created as part of the 1997 realignment. It was renamed the Directorate of Combat Development as part of the 2004 reorganization to better align itself with similar organizations in other Army Commands. Combat Developments has the proponent role for maturing solutions to Doctrine, Organizations, Training, Materiel, Leadership and Education, Personnel and Facilities issues related to space missile defense. It includes four divisions:

- The Capabilities Development Division works on initial capabilities documents, capabilities description documents, and mission proponenty for space and ground-based midcourse defense.
- The Force Design and Organizational Integration Division develops and manages authorization documents (TDAs and TOEs) for space and ground-based midcourse defense units and organizations.
- The Training Development and Doctrine Division, is responsible for proponenty; doctrine; techniques, tactics and procedures; and Space Operations Officer (FA 40) training.
- The Capabilities Integration Division handles all non-SMDC sponsored proponenty, such as space-based radar.

The simulations and modeling assets of the Battle Lab were consolidated into a separate branch of the FWC called the Simulations and Analysis Directorate. Their primary mission is to support products and concepts from the Battle Lab and Combat Development. Other branches of the U.S. military, the Missile Defense Agency and allied countries also use their services. The Simulations and Analysis Directorate is composed of three divisions:

- The Studies and Analysis Division provides military utility analysis of space and missile defense systems.
- The Models and Simulation Division

develops and integrates models and simulation tools for use by other space and missile defense research entities.

- The Information and Computational Engineering Division manages the Ballistic Missile Defense Advanced Technology Center and the Advanced Research Simulations Center.

As the FWC matures and adjusts its new organization it continues to provide steady support to the Command and to the Army as a whole. The "smooth business flow for all the force development pieces" that Mr. Burger envisioned in 2004 has indeed come to pass.

## The Advanced Research Center

Established in 1971, the Advanced Research Center is the oldest entity of the FWC and possibly the only existing entity in SMDC/ARSTRAT which can

trace its lineage to the Safeguard mission.

The Simulations Center was established in 1981 to provide an additional capability to the ARC for more detailed engineering analysis and hardware component evaluation.

The ARC provides a treaty compliant environment for the integration, evaluation, and demonstration of evolutionary ballistic missile defense systems and their associated responses to designated threats.

This includes effectiveness studies of alternative solutions, analysis of integrated element interfaces and interactions, and comprehensive simulations testing.



Courtesy photo

SMDC and contractor support personnel at the Scientific Visualization Suite at the Simulations Center in 1997. From left, Boyd Evans, Qwann Wood, Dr. Rex Chamblerrlain, Dr. Anthony Dang and Amy Pope.