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Uploading Our Defenses

Story by MCSN Victoria Sutton

ver the past two days, CS-7 division has uploaded Truman's Rolling Airframe Missile (RAM) systems and NATO Sea-Sparrow Surface Missile systems.

The systems are in place for anti-air and anti-surface warfare. They are able to combat any air or surface contacts that threaten to hurt the ship or crew.

"The systems are used for self-defense of the ship," said FCC Keith Krum, the CS-7 LCPO. "These systems are vital in case we are threatened by other ships, aircraft or anti-ship missiles."

Krum said the beginning of deployment is the time Truman is able to upload missiles, and download is done near the end of deployment.

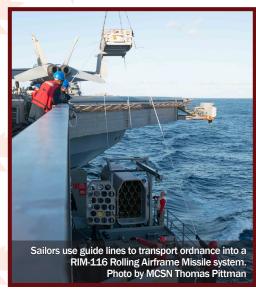
"We have wind and sea state restrictions

that could inhibit our ability to load if we do not plan these conditions very meticulously," said Krum.

Krum said there always needs to be a great deal of caution and preparation while handling and loading live explosives. The CO, XO and several department heads are briefed 24 hours prior, and a lot of planning goes into this process.

The NATO system holds eight missiles in each of Truman's launchers, and the RAM holds 21 missiles in each of the launchers. CS-7 loaded both systems to capacity on Tuesday.

The range of fire for the NATO system is 50 nautical miles, and the range for the RAM system is effective between three and five nautical miles.



» ENTERTAINMENT



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*For questions or concerns regarding this paper, contact: herald@cvn75.navy.mil

PHOTO OF THE DAY



CROSSWORD

ACROSS

- 1 Rejuvenating resorts
- 5 Energy source for plants
- s Word after base or space
- 12 Pitch in
- 13 Subtitle preceder, often
- 15 Courtroom claim
- 16 Zenith
- 17 Singer/actress Lenya
- -daisy!"
- 19 Ungainly boat
- 20 Central courtyards
- 21 Enthusiastic Spanish assent 22 Former M&M's color
- R&B singer with the 2002 hit "Foolish"
- 25 Tandoori bread
- 26 Venomous vipers
- 28 Delicate surface for Aboriginal art
- 30 Syrup of

- 36 Inexperienced gamers, in slang
- Ice Bucket Challenge cause, for short
- "Eureka!"
- 42 Forest female
- 43 Foldable bed 44 See 32-Down
- 45 Kind of gift
- 46 One of the Wayans brothers
- 48 Period that's "ushered in"
- so Payroll dept. IDs
- 52 Catch 40 winks
- 53 Diktat
- 54 Son of Aphrodite and Ares
- ss Ability of a company to expand ... or a hint to this puzzle's theme
- 62 "Eureka!"
- 63 Clamor
- 64 Entrepreneur's deg.
- 65 Herb garden vessel ... as vessel ... as depicted four times by black squares in this

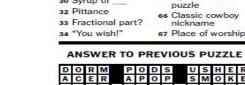
- DOWN 1 Peak that's the home of California's longest glacier
- 2 Minor indiscretions
- 3 Bear claw filling
- 4 Vent violently 5 Truth, to Shakespeare
- 6 Extremely
 - 7 Away at the moment
 - s Apple cores, for
 - e Après-ski
 - quarters Where trolls may
 - Remunerative
 - 13 Like some shares and baseball teams

- 14 Comparatively tidy
- 23 Where records of old web pages can be accessed
- 24 Declaration from someone on a hot streak
- 27 Many Caltech grads, for short
- 29 Sci-fi sighting
- 31 Jackie of "Shanghai Noon" 32 With 44-Across, Dutch art dealer
- who supported his artist brother
- 33 Fire
- 35 Stock market fig.
- 37 Dreamcast maker of old
- 40 Palindromic woman's name 41 Overlook

47 [Warning: explicit content]

PUZZLE BY MATTHEW SEWELL AND JEFF CHEN

- 49 Direction that wagon trains headed
- 51 Annual parade honoree, familiarly
- 52 Do a juice
- cleanse, say
- 55 Disparity
- 56 Fraternity letter that's a homophone of where fraternities might be found
- 57 Feedbag tidbit
- 58 Salute in stanzas
- 59 Little hellion
- 60 Prez in a stovepipe hat
- 61 Bar code?



Situational Awareness



Story by MCSN Victoria Sutton

In preparation for deployment, Truman's hangar bay has filled up with aircraft and supplies, which leads to an increased risk of injury from just transiting through.

AOI Paul Robertson, the safety department LPO, said there are numerous hazards all around the hangar bay that Sailors may not be aware of.

"Regardless of the gyms or recreational activities held there, the hangar bay is a workplace," said Robertson. "It isn't for recreation, it is for work, and some people may forget that."

ABH1 Jeff Garcia, the air department V-3 division LPO, said that Sailors who aren't paying attention to their surroundings while in the hangar bay may end up tripping over a chain in a pad eye, hitting their head on an aircraft or walking onto an aircraft elevator without a float coat.

Garcia recommends Sailors practice hangar bay safety by attending the hangar bay FOD walkdown. The walkdown is held twice daily; normally at 0800 and 2000, and will be announced over the 1MC.

"FOD walkdown is extremely important to hangar bay safety," said Robertson. "When people in the hangar bay do maintenance, they might leave a screw or something on the ground. If that screw doesn't get picked up and an aircraft is doing a low power turn, the screw may get sucked into the intake. That's a big deal and a lot of dollars' worth of damage,

but it is totally preventable with cooperation from the crew."

Garcia said it is imperative that Sailors participating in FOD walkdown are thoroughly searching for FOD and picking up everything they see. Everyone on the ship, in each department, is invited to participate in FOD walkdown once the announcement is made.

"Safety is everybody's responsibility," said Garcia. "Regardless of paygrade, rank or job, if you see something that's unsafe, don't be afraid to say something. Anybody on this ship could potentially save someone else from death or injury."



NORTHCOM Commander Says US Needs Arctic Early Warning System

Story by Military Times

The top general for U.S. Northern Command says the U.S. needs to invest in an early warning system for the Arctic similar to the series of radar stations built in 1957 that became known as the Distant Early Warning Line, or DEW line.

"We have to be aware of what is happening in that environment," Air Force Gen. Terrence John O'Shaughnessy, the commander of U.S. NORTHCOM and North American Aerospace Defense Command, said Saturday at the Halifax International Security Forum.

It's the latest concern that top military officials have raised about military readiness in the Arctic. Investment there has been limited in recent years despite growing competition for new sea routes and resources in the frozen tundra that is now pushing U.S. defense planners to revamp training, equipment and infrastructure to confront the rising challenge.

Getting American troops to the fight in the Arctic is a complicated mission as the frigid environment complicates tasks that would be simpler in other geographic locations or commands, O'Shaughnessy said.

The U.S. military has the capability to rapidly deploy American forces and equipment all over the globe, but "that's different in the Arctic, it's very difficult," O'Shaughnessy said. The U.S. military needs to innovate and address training gaps to operate effectively in the Arctic, he said.

The U.S. appears to lag behind rivals like Russia, which has deployed thousands of troops to the Arctic for exercises — and according to a Reuters story is expected to field 13 polar icebreakers by 2035. Russia launched its first nuclear-powered icebreaker in May.

The U.S. has only one working heavy icebreaker dubbed the Polar Star, with several more in the pipeline. The Coast Guard — which commands the ice breaking mission — awarded a \$745 million contract to VT Halter Marine for design and construction of the next icebreaker.

But it's not just ships that the U.S. military needs to confront rising national security challenges in the Arctic. Stuck in the Middle East for the last 20 years, the U.S. military is in the process of revamping training and equipment to handle the harsh frigid environment of the Arctic.

The military is considering what type of infrastructure it will need to deploy to the Arctic in the future, he said. It also wants to bolster training in the region.

For more of the story, visit militarytimes.com

How the Problems on the US Navy's New **Supercarrier Helped** Them Build the Next One Cheaper and Faster

Story by Business Insider

ays after the first-in-class aircraft carrier USS Gerald R. Ford sailed out of a "challenging" post-shakedown work period that was extended three months because of maintenance problems, the dry dock holding the second Ford-class carrier, the John F. Kennedy, was flooded, launching the carrier three months early.

The Kennedy's builders and crew have gotten a boost from the Ford, according to the ship's commanding officer, Capt. Todd Marzano.

"We are definitely benefiting from being the second aircraft carrier in the class. We're leveraging their lessons learned, which has helped not only from the construction side but from our sailor training," Marzano told Business Insider last week.

A graduate of Naval Fighter Weapons School, or Top Gun, Marzano has gone to sea aboard Kitty Hawk-, Nimitz-, and Ford-class carriers, serving as a fighter squadron commander as well as executive officer and commanding officer of the carrier itself.

At a ceremony in May, Marzano recalled driving past the Ford as construction began in late 2015 and thinking "some lucky captain" would get to be its first skipper. In a mast-stepping ceremony after that speech, he put his first set of gold aviator's wings under the 650-ton island as it was lowered onto the flight deck.

That "signified my commitment as the CO of the ship to ensure ... that I'm going make sure that the crew is ready to do their job and operate the ship when we take it out to sea," Marzano said. "So it meant a lot to me. This is definitely a pinnacle tour in my career."

Marzano assumed command of the Kennedy, designated CVN-79, on October 1, at a ceremony attended by the carrier's first 43 sailors, who were handpicked for the assignment.

"We officially stood up the command on October 1st, and as of today, we have just over 150 crew members on board, and that number just continues to grow daily," Marzano said on November 19. "The current focus since they've shown up is to create a solid foundation, which means getting our programs, our procedures established. We're also focusing on a lot of training and, most importantly, developing a healthy culture throughout all levels of the command."

> For more of this story, visit businessinsider.com



SAFETTY STAND DOWN ALL HANDS CALL

29 NOV 2019 HANGAR BAY 2

0900 & 2000

WORK CENTER TRAINING:

AIRCRAFT AND FLIGHT DECK SAFETY

LADDERWELL SAFETY

HEAT STRESS AND COLD WEATHER SAFETY

GYM SAFETY

PPE

ELECTRICAL SAFETY

HAZMAT SAFETY

ESWS Question of the Day

What is the surface range of the SPQ-9B?



Answer: 40 nm

This Day in Naval History

1775 - Congress adopts first rules for regulation of the "Navy of the United Colonies."

1941 - USS Enterprise (CV-6) sails from Pearl Harbor for Wake Island to ferry Marine aircraft to island.

1942 - Ensigns George W. Carlson and Mac A. Cason, SC, USNR organize rescue parties to help rescue people from the fire at the Cocoanut Grove nightclub in Boston, MA. They are credited "the cause of saving more lives than any other single agency."

"The difference between winning and losing is most often not quitting." -Walt Disney



TIME CH. 8 CH. 9 TIME CH. 10 The Young The Light The Angry Birds 0700/1500/2300 0700/1900 Messiah Between Us 0900/1700/0100 The BFG Cadillac Records 1000/2200

A League of Their 1100/1900/0300 Toy Story 4 Anthropoid 1300/0100 The Hate You Give 1300/2100/0500 1600/0400 Paddington II Apollo 13 Creed

Thursday, 28 November 2019