						Subscribe to	Navy News Service
						Search Navy.mil	Navy mil Underway
HOME	ABOUT	LEADERSHIP	NEWS	MEDIA	LINKS	CAREERS	NAVY POD
Navv	to Dep	lov Electro	magnet	ic			
Railg	un Abo	ard JHSV		-	RELATED	PHOTOS	
Story Number: I	NNS140407-03 Rele	ease Date: 4/7/2014 9:07:00 A	М				
From Naval Sea Sy	ystems Command Office	of Corporate Communication			and a	- annotation	
WASHINGTON aboard a joint	N (NNS) The U.S t high speed vesse	5. Navy plans to install and I in fiscal year 2016, the s	I test a prototype ele ervice announced too	ctromagnetic railgun lay.		Stantant C	ATTE -
This test will at sea, symbo	mark the first time olizing a significant	e an electromagnetic railgu t advance in naval combat	n (EM railgun) has b	een demonstrated	Download High	Resolution	The s
EM railgun teo accelerate an at such high v enough kineti it reaches its	chnology uses an e d launch a project velocities that it ca ic energy that it do target.	electromagnetic force - kno ile between two conductive in achieve greater ranges t besn't require any kind of h	own as the Lorenz Fo rails. This guided pr than conventional gu high explosive payloa	rce - to rapidly ojectile is launched ns. It maintains d when	120621-N-PO second of two (EM) Railgun the Naval Sur General Atom generation pr	203-041 DAHLGREN, V Office of Naval Resear industry prototype laun face Warfare Center, D ics and BAE Systems h ototype EM Railguns ca	a. (June 21, 2012) The ch (ONR) Electromagneti chers is being evaluated ahlgren Division. Both ave designed next pable of increased firing
High-energy I enemy warsh	EM railguns are ex ips, small boats, a	pected to be lethal and eff ircraft, missiles and land-b	ective against multip based targets.	le threats, including	rates. The EM projectiles usi under develop	Railgun is a long-range ing electricity instead of oment by the Departme	e weapon that launches f chemical propellants ar int of the Navy for use
"The electrom said Rear Adr counter a wid by removing	nagnetic railgun re n. Bryant Fuller, th le-range of threats the need to carry a	presents an incredible new ne Navy's chief engineer. " at a relatively low cost, w as many high-explosive we	offensive capability This capability will al hile keeping our ship apons."	for the U.S. Navy," low us to effectively s and sailors safer	October 9, 20	12 al Media	hn F. Williams/Released
EM railgun teo combatants a is orders of m projectile itse conservation	chnology will comp Ind offer a few spe nagnitude less exp If is being designe of expensive missi	olement current kinetic we cific advantages. Against s ensive than comparable m d to be common with som iles for use against more c	apons currently onbo specific threats, the c issile engagements. e current powder gur omplex threats.	ard surface ost per engagement The is, enabling the	f	Y	You Tube
"Energetic weapons, such as EM railguns, are the future of naval combat," said Rear Adm. Matt Klunder, the chief of naval research. "The U.S. Navy is at the forefront of this game-changing technology."					I to sign preferences, header above	up for updates or to a please click on the en e or click <u>here</u> .	ccess your subscriber velope icon in the page
This demonst operational ra have been tes the Naval Res	ration is the latest ailgun to the fleet. sting railgun techn search Lab where t	in a series of technical ma Since 2005, the Navy and ology at the Naval Surface the service has a number of	aturation efforts designits partners in indus Warfare Center in D of prototype systems.	gned to provide an try and academia ahlgren, Va., and			
The final oper range of 110 capture lesso understand n	rational system wil nautical miles aga ns for incorporatio eeded ship modifio	Il be capable of launching of inst a wide range of threat n into a future tactical des cations before fully integrations before fully integrations	guided, multi-mission s. The series of tests ign and will allow the ting the technology.	projectiles to a are designed to Navy to best			
The Navy is u space and sch permanently which ship cla	ising JHSV as a ve nedule flexibility. E install a railgun on asses will receive a	ssel of opportunity becaus Because JHSVs are non-cor a any ship of the class. A fi a fully operational railgun.	e of its available carg nbatants, there is no nal decision has not l	o and topside plan to been made on			
For more new	vs from Naval Sea	Systems Command, visit v	www.navy.mil/local/n	avsea/.			
Like 24	Tweet 89	SHARE 🚺 🖉 🖂 📄					
Add a commer	nt to this story						
<u>Home</u>	About Status of th Navy Orgar Strategic Documents Command I Our Ships Fact Files	Leadership Secretary of the Navy Chief Of Naval Operations Directory Chief Of Naval Officer Of The Navy Chief Of Naval Personnel	News Top Stories Headlines Feature Stories Local Stories	Media Video Gallery Photo Gallery Featured Galleries All Hands Maqazine All Hands Update All Hands Radio News	Links Shift Colors-Navy Retiree Newsletter Naval History & Heritage Command Affected Navy Family Assistance Navy / Marine Corps Relief	<u>Careers</u>	<u>Navy POD</u>
	<u>Today in Na</u> <u>History</u> <u>Contact Us</u>	aval <u>Biographies</u> <u>SES Biographies</u>		<u>All Hands Archive</u> <u>Graphics Gallery</u> <u>Art Gallery</u>	<u>Navy Office of</u> <u>Community</u> <u>Outreach</u>		

