





(a) GOAL.-It shall be a goal of the armed Forces to achieve the fielding of unmanned, remotely controlled technology such that-

(1) by 2010, one-third of the aircraft in the operational deep strike force aircraft fleet are unmanned; and

(2) by 2015, one-third of the operational ground combat vehicles are unmanned.

-2001 NDAA Public Law 106-398

- Develop aggressive goals for the acceleration of DON's unmanned systems and ensure the DON remains at the forefront of this emerging operational capability.

Workshop 1: MAY 2016

- Hypothesize future unmanned systems warfighting vision for 2030+

Workshop 2: JUL 2016

- Identification and assessment of technical, legal, and policy barriers and opportunities

Workshop 3: SEP 2016

- Development of action plans



*The DoN Strategic Roadmap for Unmanned Systems
is the starting point, not the end point*



Department of the Navy Strategic Roadmap for Unmanned Systems



- Continuous Learning
- Acquisition Reform
- Doctrine/Policy
- Organization
- Training/Personnel
- Materiel
- Leadership & Education
- Facilities

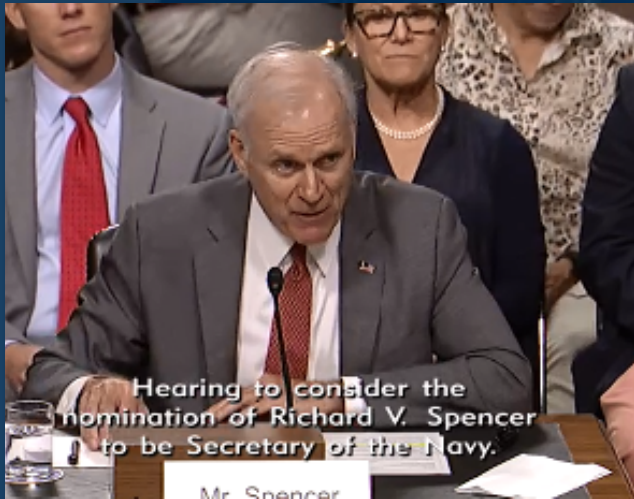
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ANNED SYSTEM

...people have asked, "what do you think of the 355-ship Navy?" And I said it -- it is a great goal to have. I can't tell you what the construct of that would be, sitting here today, because I think unmanned, both below the water, on the water and in the air, is an area we're just beginning to -- to -- to chip away at. And that's going to provide some great yield for us.

Confirmation Hearing
11 July 2017



Hearing to consider the nomination of Richard V. Spencer to be Secretary of the Navy.

Richard V. Spencer
Nominee for SECNAV

Calendar No. 165

115TH CONGRESS }
1st Session }

SENATE

{ REPORT
115-125

NATIONAL DEFENSE AUTHORIZATION
ACT FOR FISCAL YEAR 2018

R E P O R T

[TO ACCOMPANY S. 1519]

ON

TO AUTHORIZE APPROPRIATIONS FOR FISCAL YEAR 2018 FOR
MILITARY ACTIVITIES OF THE DEPARTMENT OF DEFENSE, FOR
MILITARY CONSTRUCTION, AND FOR DEFENSE ACTIVITIES OF
THE DEPARTMENT OF ENERGY, TO PRESCRIBE MILITARY PER-
SONNEL STRENGTHS FOR SUCH FISCAL YEAR, AND FOR OTHER
PURPOSES

TOGETHER WITH

ADDITIONAL VIEWS

COMMITTEE ON ARMED SERVICES
UNITED STATES SENATE



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26-141

- Leverage unmanned systems across all warfighting domains
- Warfighting concepts such as manned-unmanned teaming and multi-domain systems integration
- Increase DON test and training range infrastructure
- Arctic Wargame to include UxS
- UAS Aviation Pay Incentives
- Unmanned U-2

Recent Acquisitions



SEP 2008

DEC 2016



LIQUID ROBOTICS



MAR 2017

MAY 2017



...operate in every domain



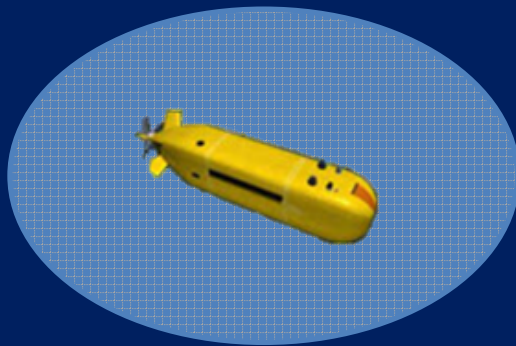
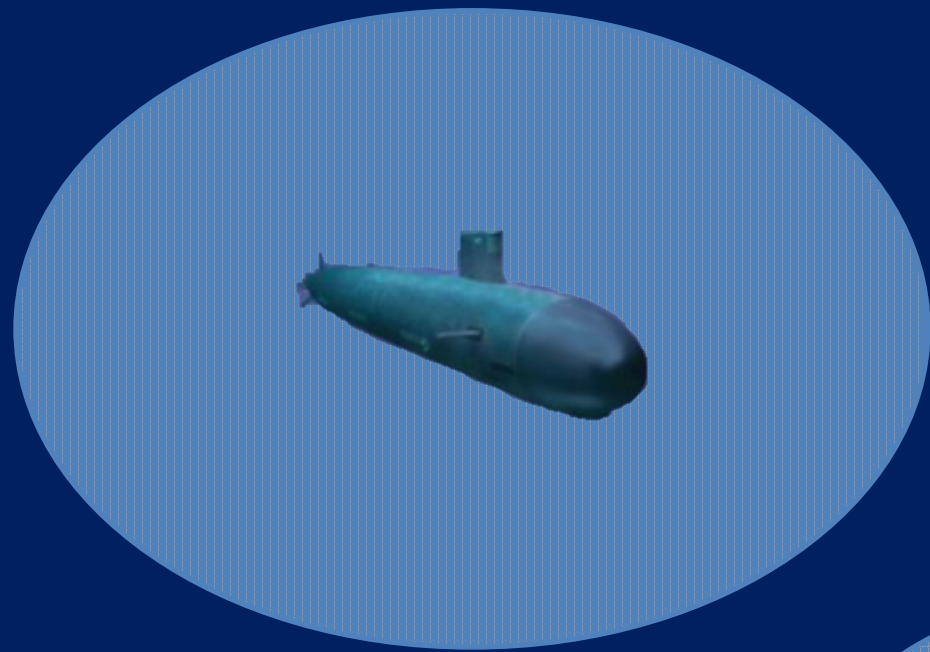
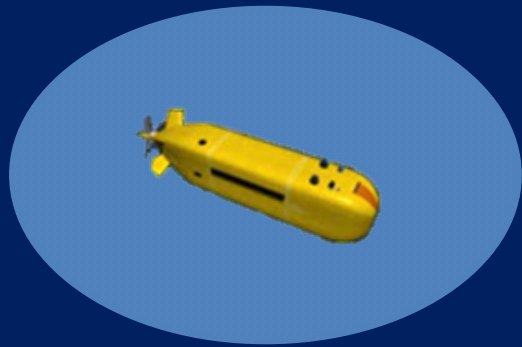
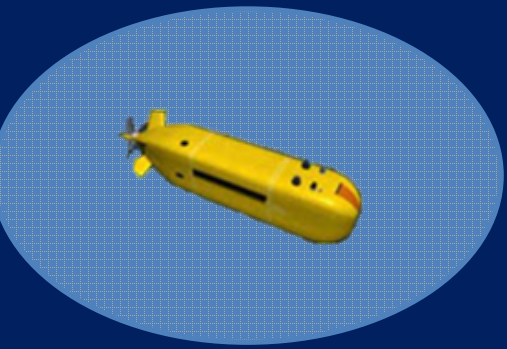
...always be an option

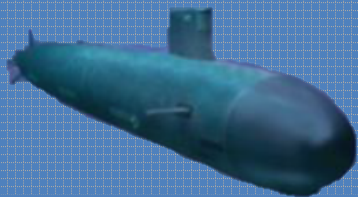
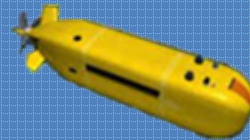
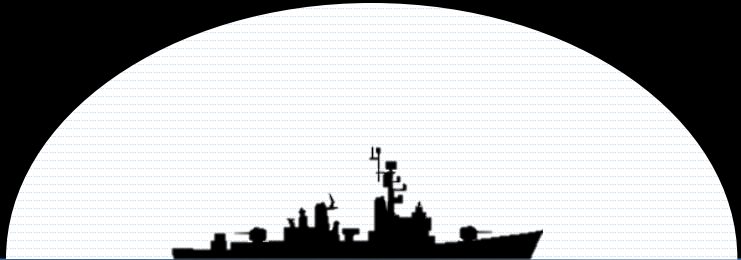
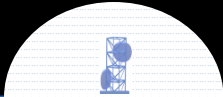
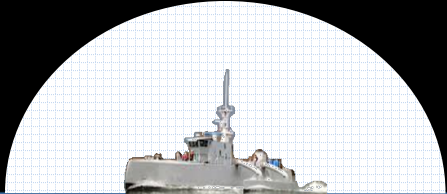


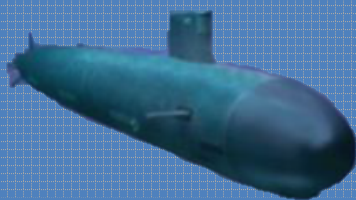
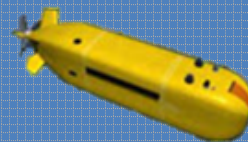
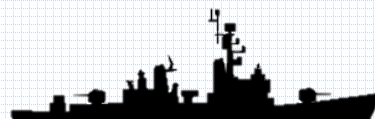
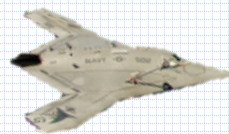
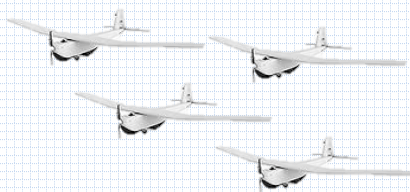
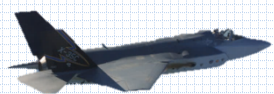
...be at their best when teamed with Sailors and Marines

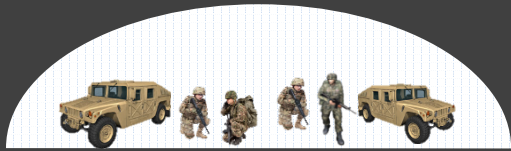


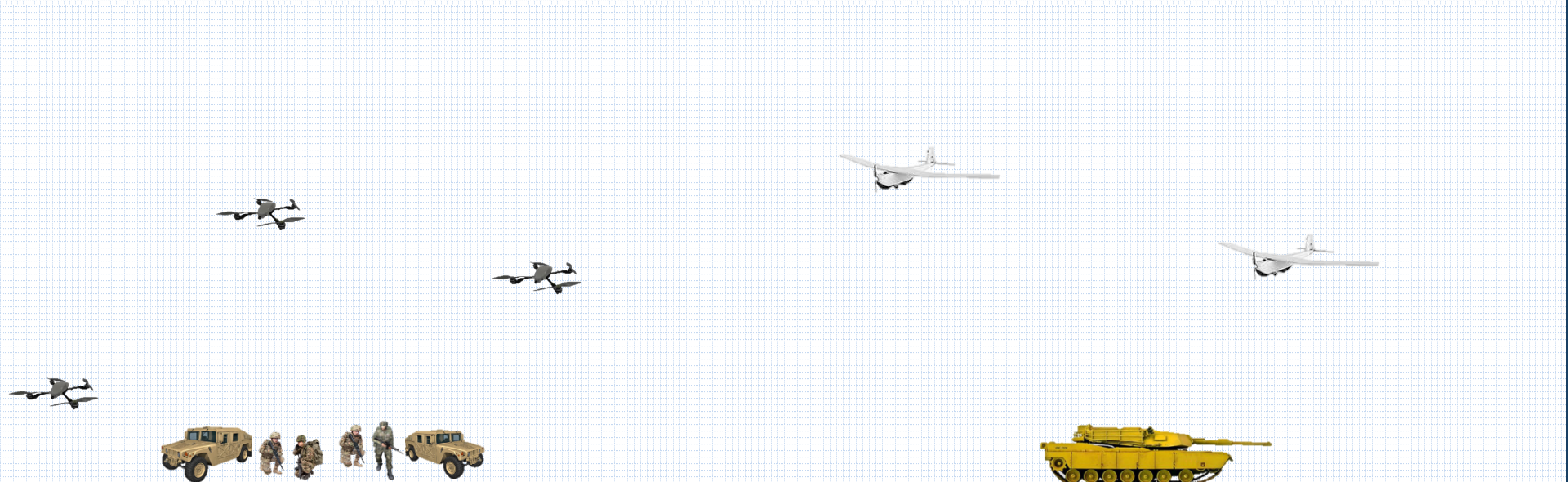




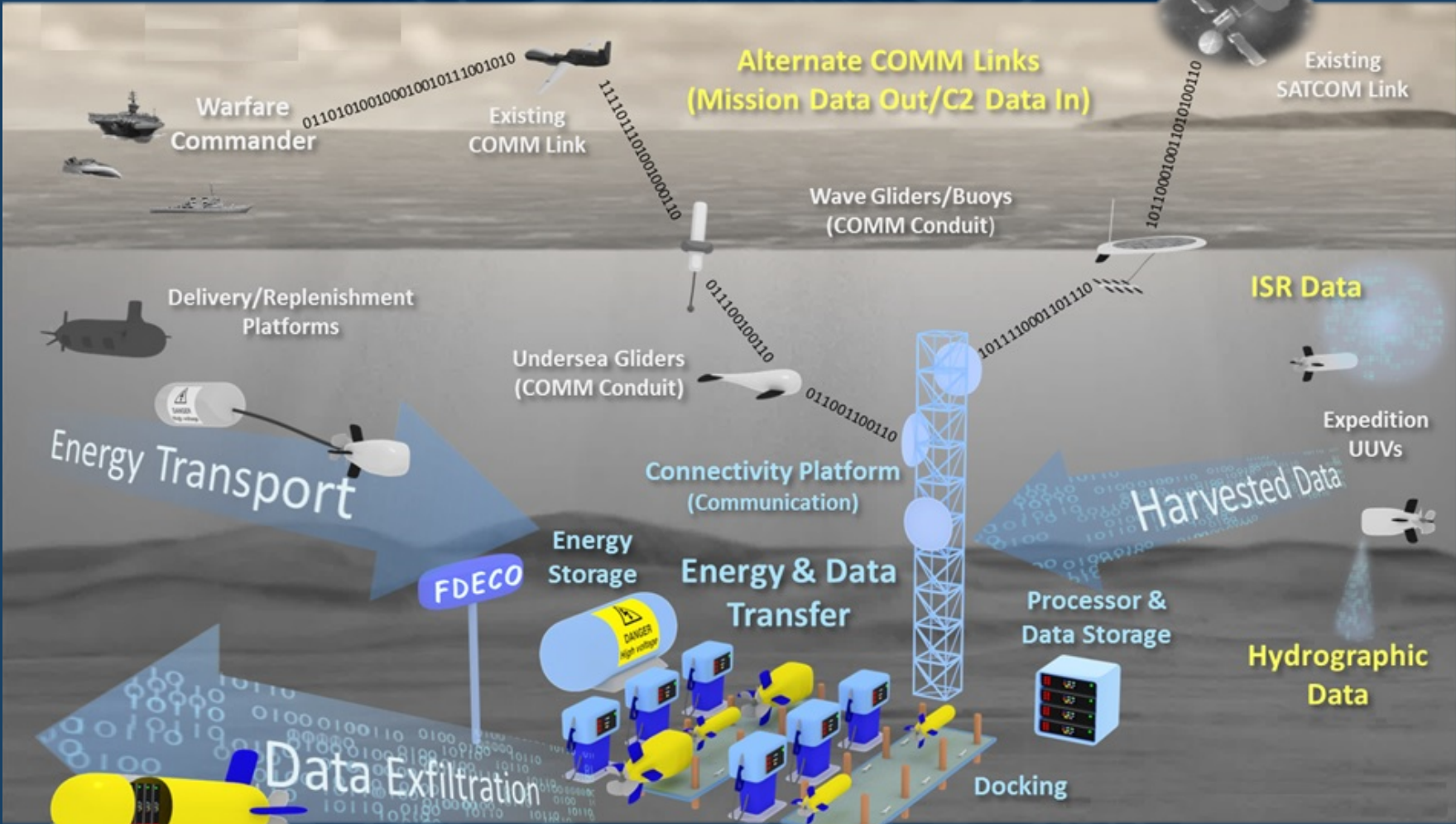








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UNMANNED SYSTEMS



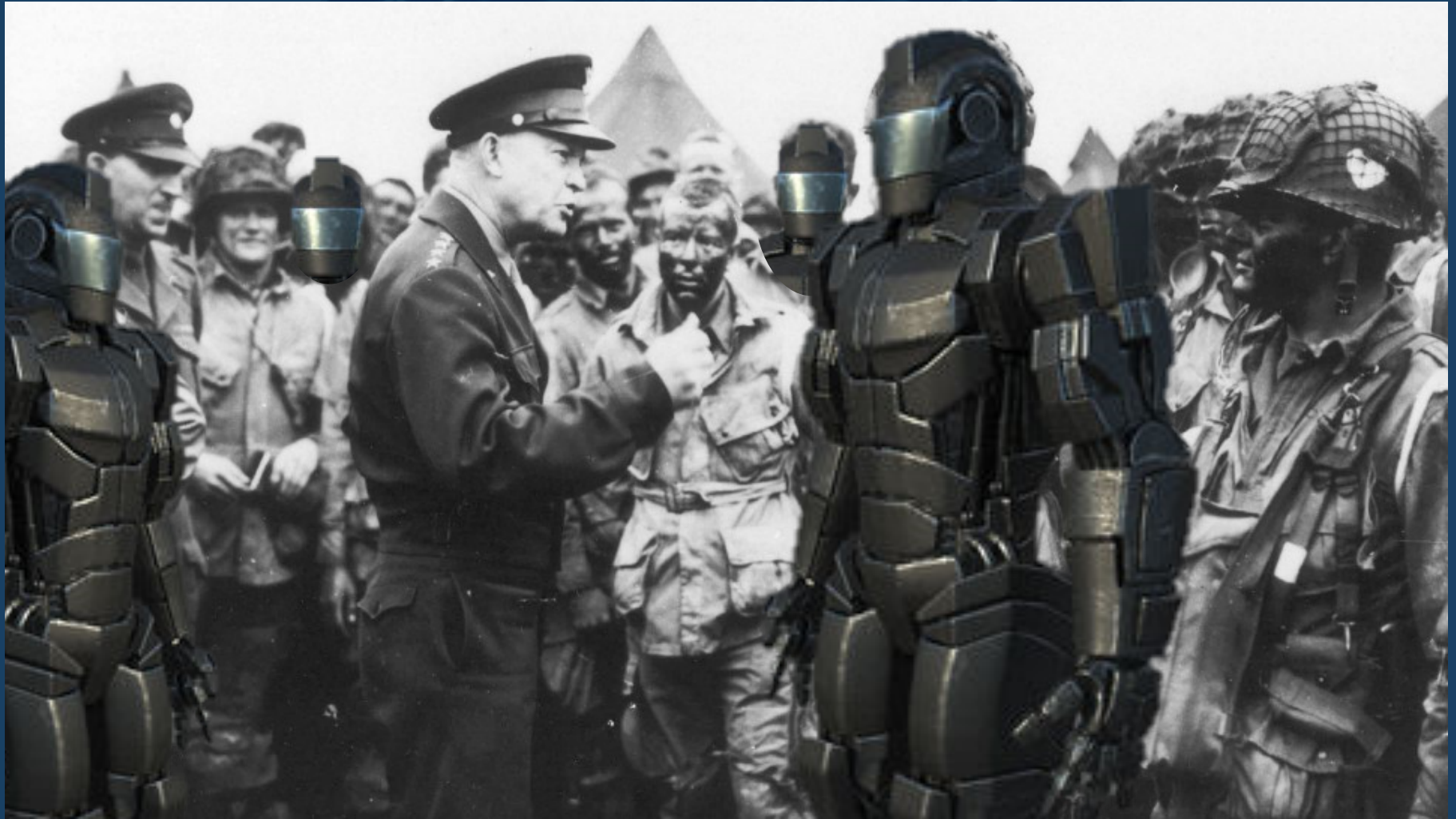
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UNMANNED SYSTEMS



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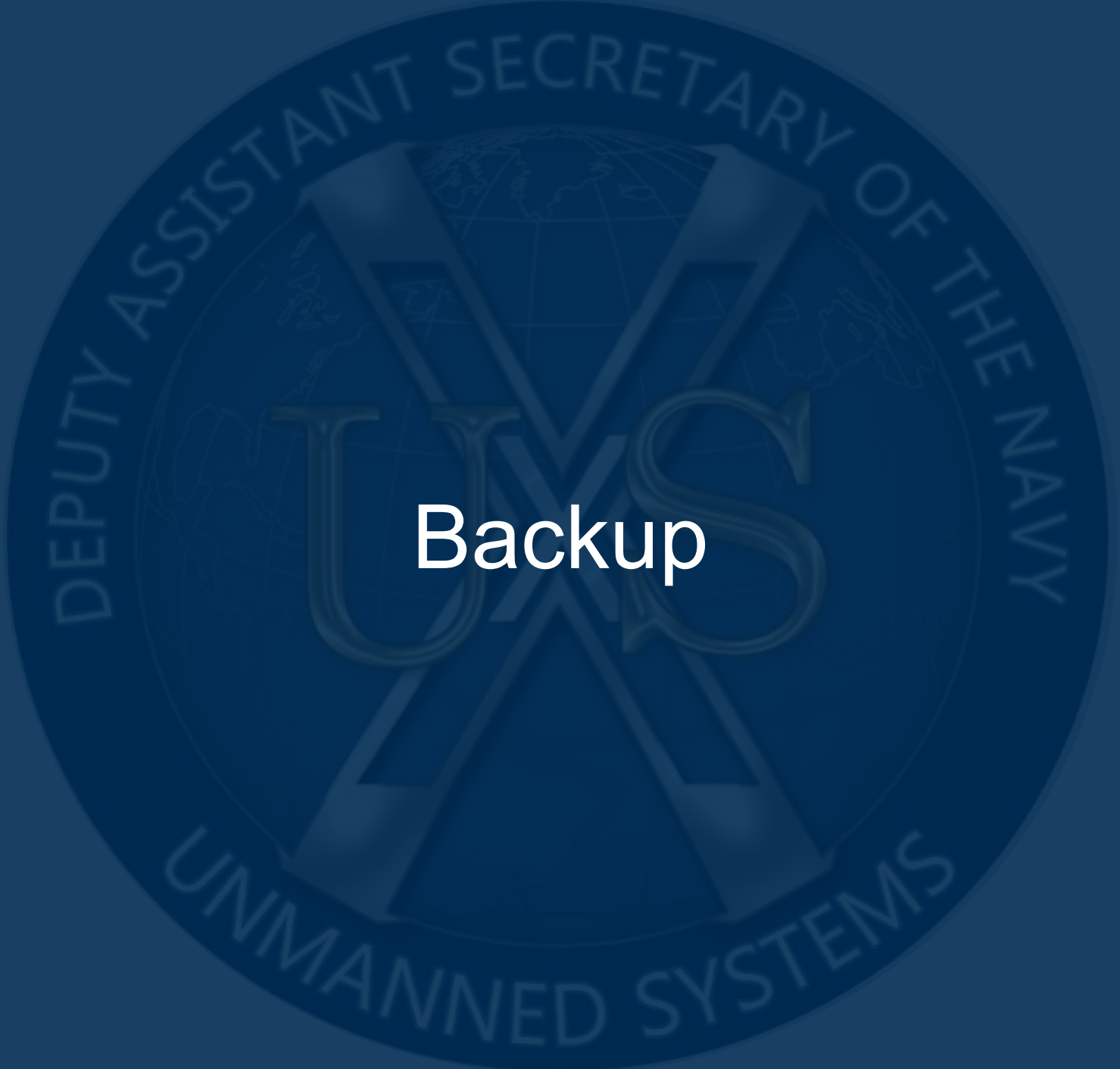


UNMANNED SYSTEMS

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UNMANNED SYSTEMS



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