

Electromagnetic Defense Task Force



Air University, Curtis E. Lemay Center, & Electronic Warfare Enterprise Capability Collaboration Team



Air University & Curtis E. Lemay Center for Doctrine Development



Electromagnetic Defense Task Force

29 April – 1 May

Air University Maxwell AFB, AL

David Stuckenberg, Maj, USAF



Electromagnetic Defense Task Force



1. How is the EDTF setup?

- A. Partners formed a Task Force (led by Sr. Leaders) to work with SMEs across whole of government (AF, AU, JCS, NSC, DoD, NSA, CIA, etc.)
- B. May seek POTUS, CJCS, or CSAF charter/mandate/etc.

2. What is the purpose of the EDTF?

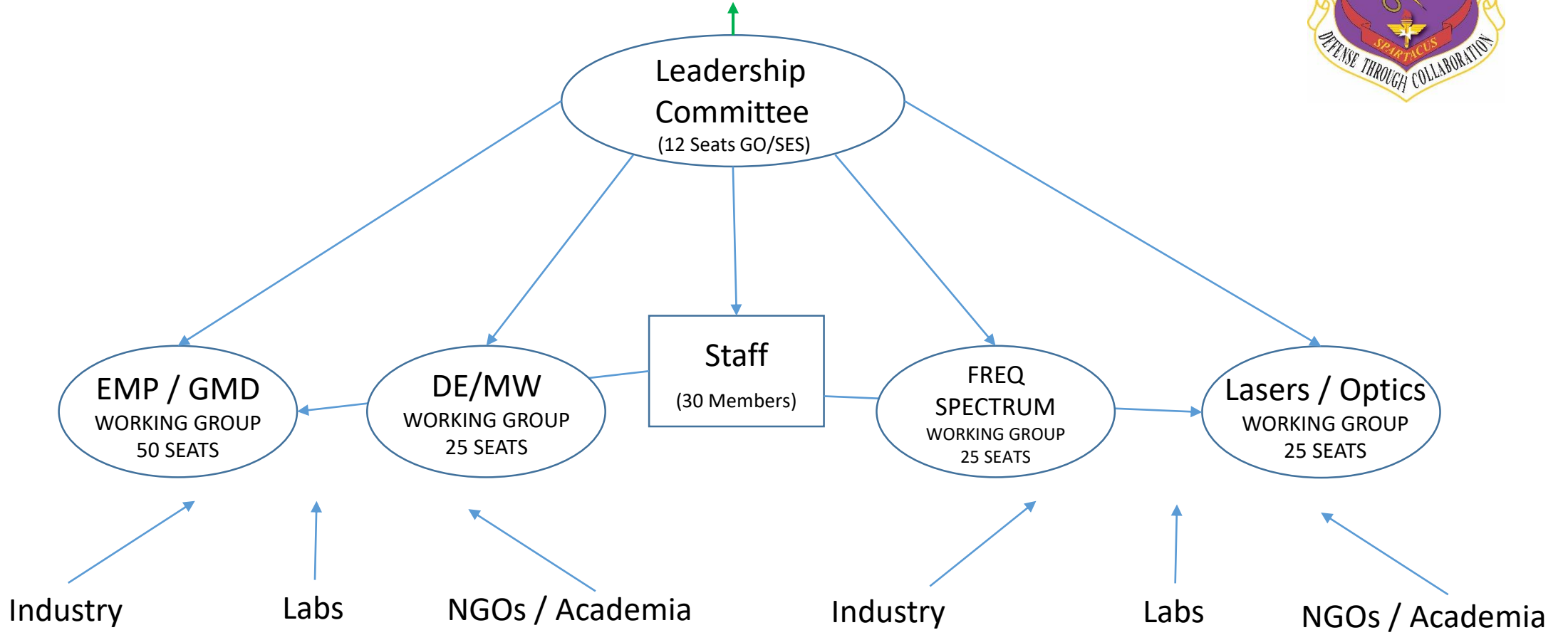
- A. Develop holistic credible defensive and offensive EM strategies for the United States
 - B. Network and develop EM professionals across the USG and NATO
-



EDTF Structure (Detailed)



US Government/DoD





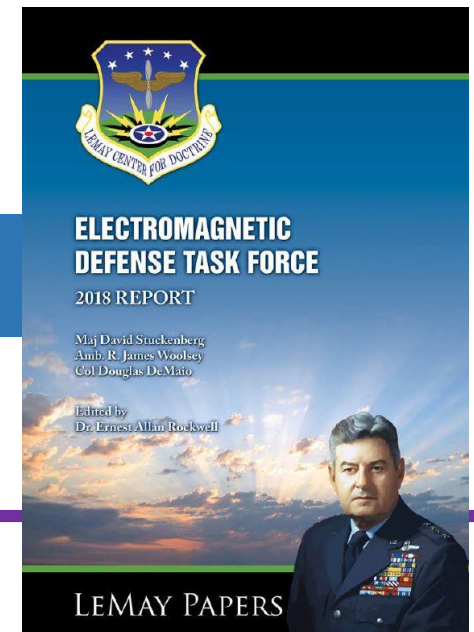
Conference Questions



2018 Questions from Leadership :

- I. *What can we build/do to protect ourselves in the future?*
- II. *What is available for us to harden our current interests and infrastructure now?*
- III. *What concepts, policies, and procedures can we change to make us less vulnerable at little or no cost?*
- IV. *What strategies can society and commercial investment leverage to work congruently with USG efforts?*
 - a. *How can we test these/implement now?*

The **2018 EDTF Report** was the most read electronic document in Air University history... and received global press and positive attention from the White House and Congress.





Conference Questions



2019 Questions from Leadership:

- I. *How do our competitors look at EMS and the technologies that connect to EMS from a strategy and doctrine standpoint?*
 - a. *Where are our strategic blind spots and how will quantum shape the future of defense?*
- II. *What can the United States and NATO do to counter and frustrate adversary EMS efforts now?*
 - a. *How should our offensive EMS posture/strategies be shaped for the present/future environment?*
- III. *What should our priorities be in terms of time, manpower, and capitol investment?*
- IV. *How can defense work with industry, academia, and the private sector to implement these priorities?*
- V. *How was yesterday's force educated on EMS and what is the path to educating today's force?*

The 2019 EDTF Report target audience is the Chairman of the Joint Chiefs of Staff.

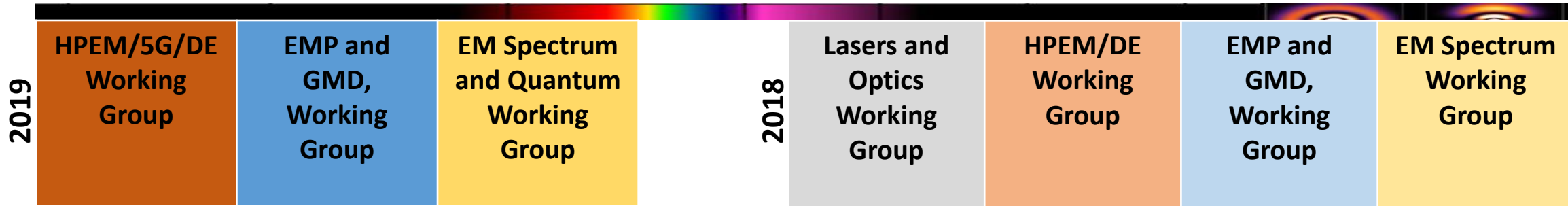
5 January 2019



EDTF Focus Areas



ELECTROMAGNETIC SPECTRUM



Suggested Priorities/Solutions

Suggested Priorities/Solutions



<u>Immediate</u>	<u>1 – 5 Years</u>
<ul style="list-style-type: none"> • Education for entire force • Military - Black Start Team (BST)* • Dissuasion to deter* • Critical Infrastructure - Nuclear • 5G 	<ul style="list-style-type: none"> • Critical Infrastructure • Defensive strategies • Integrate NATO • Public/Private Partnerships
*NO COST/MANPOWER	

Electromagnetic Defense Task Force



Air University, Curtis E. Lemay Center, & Electronic Warfare Enterprise Capability Collaboration Team