

**U.S. Army Medical Research and Materiel Command**

**ESIP**

**Entrepreneur Sabbatical Program**

*Presentation at FLC-MA November 2017*



dsd

**Academia**

**Industry**



**MEDICAL  
TECHNOLOGY  
TRANSFER**

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Ft. Detrick MD

**Not for  
Profits**

**Local, State,  
Federal, and  
Foreign  
Governments**

**Foundations**

## **BLUF:**

Fostering entrepreneurship can help field products for the warfighter

# U.S. Army Medical Research and Materiel Command



## WORLDWIDE COMMANDS

### ★ USAMRMC HQ

Fort Detrick, MD

U.S. Army Medical Research Institute of Infectious Diseases

U.S. Army Center for Environmental Health Research

U.S. Army Medical Materiel Development Activity

U.S. Army Medical Materiel Agency

6<sup>th</sup> Medical Logistics Management Center

U.S. Army Medical Research Acquisition Activity

### USAMMA Maintenance Divisions

HIII AFB, UT

Tobyhanna Army Depot, PA

Tracy Army Depot, CA

### USAMMA APS/OTSG-CS Sites

Perry Point, MD

San Antonio, TX

Pirmasens, Germany

Charleston, SC

Sierra Army Depot, CA

Camp As Sayllyah, Qatar

Camp Carroll, Korea

Sagami, Japan

Oklnawa, Japan



# MRMC Product Successes

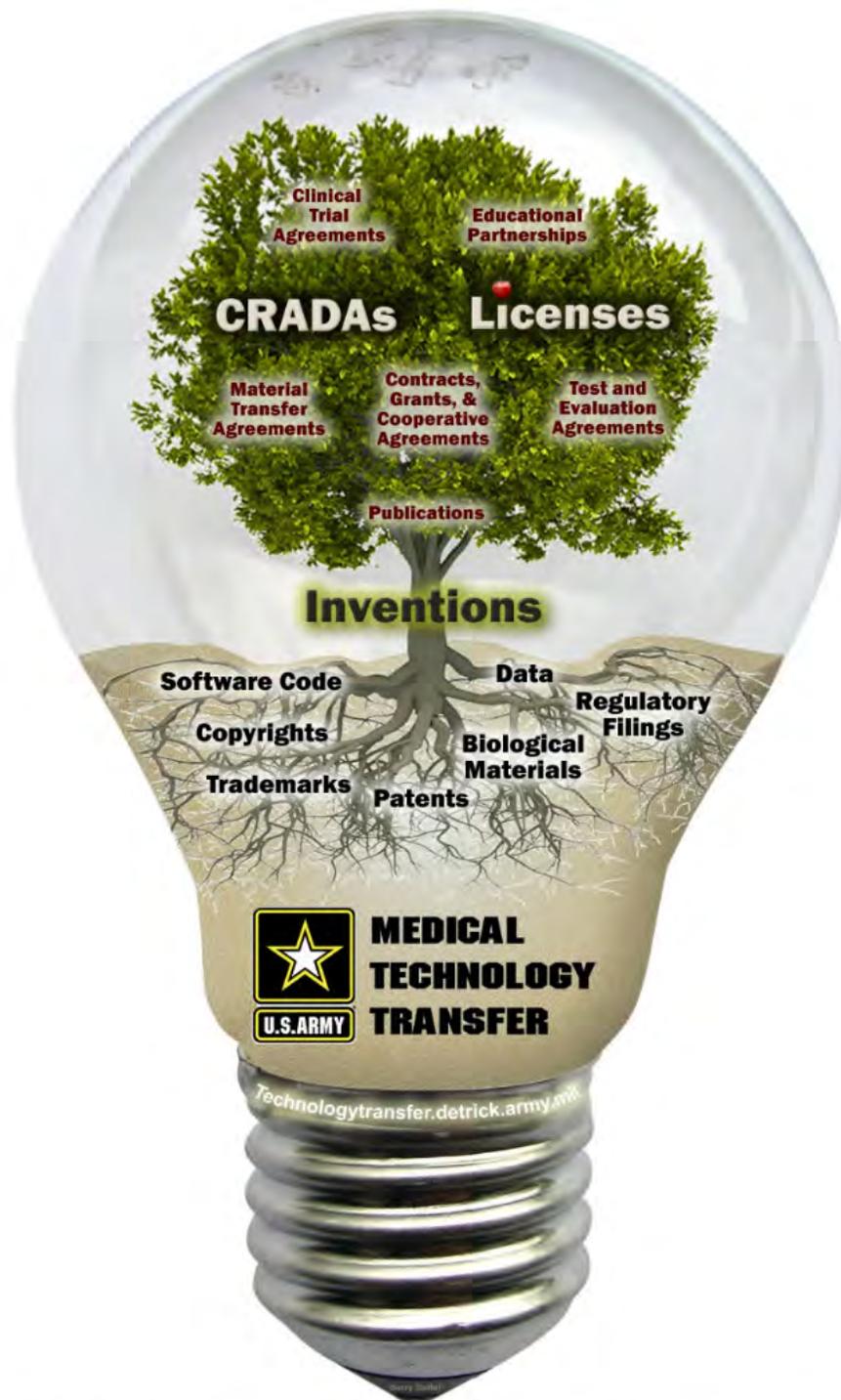


**binax**

**NOW Malaria**

a rapid field or laboratory test for the differential diagnosis of a Malaria infection



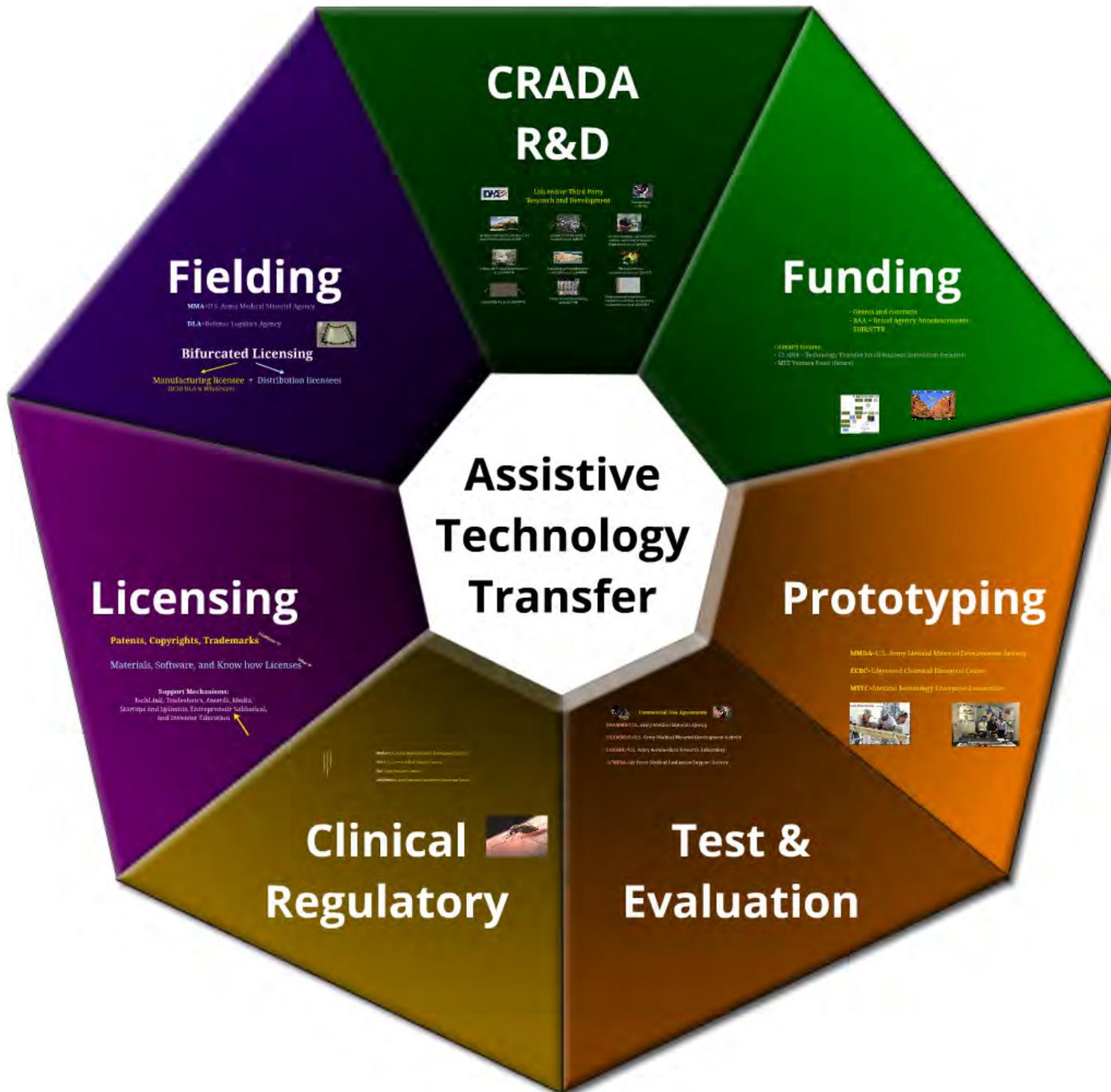


**How Can We Think Outside of Our Ecosystem Microcosm?**

We Need to Expand Our Universe



...and get out of our bubbles



# Licensing

**Patents, Copyrights, Trademarks**

*Traditional T2*

Materials, Software, and Know how Licenses

*Other IP*

## **Support Mechanisms:**

TechLink, Tradeshows, Awards, Media,  
Startups and Spinouts, Entrepreneur Sabbatical,  
and Inventor Education



How Do We Let The Cat Out of the Bag?



## Goals

1. Enhance Technology Transfer to mature inventions into fielded products for the warfighter
2. Provide incentives for MRMC civilian inventors to expand, create, and innovate
3. Reduce risk for participants

## **Means**

Entrepreneur Sabbatical Program for  
MRMC **Civilians**

## **Who**

Civilian laboratory Scientists and  
Engineers with **7** years of federal  
service (military+civilian)

1. About to retire SMEs
2. Hub and Spoke model
3. Go Getters

## **Other ESPs**

### **Department of Defense (DoD)**

- **Air Force Research Laboratory, AFRL**
- **Army Research Laboratory, ARL**
- 

### **Department of Energy (DOE)**

- **Sandia National Laboratories, SNL**
- **Oak Ridge National Laboratories, ORNL**
- **Lawrence Livermore National Laboratory, LLNL**
- **Los Alamos National Laboratory, LANL**

# ESP Preparation

## Project Ideation



Encourage biotech coursework at local level

Mentoring and education by MRMC



## Application & Review



COI Analysis

### Selection of ESP

- Mission meeting focus
- Technical/Business feasible
- Commander approval
- HQ approval

## Mentoring and Line Up of Startup Team



CEO  
CFO  
COO  
CSO

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+



State  
&  
Local EDCs



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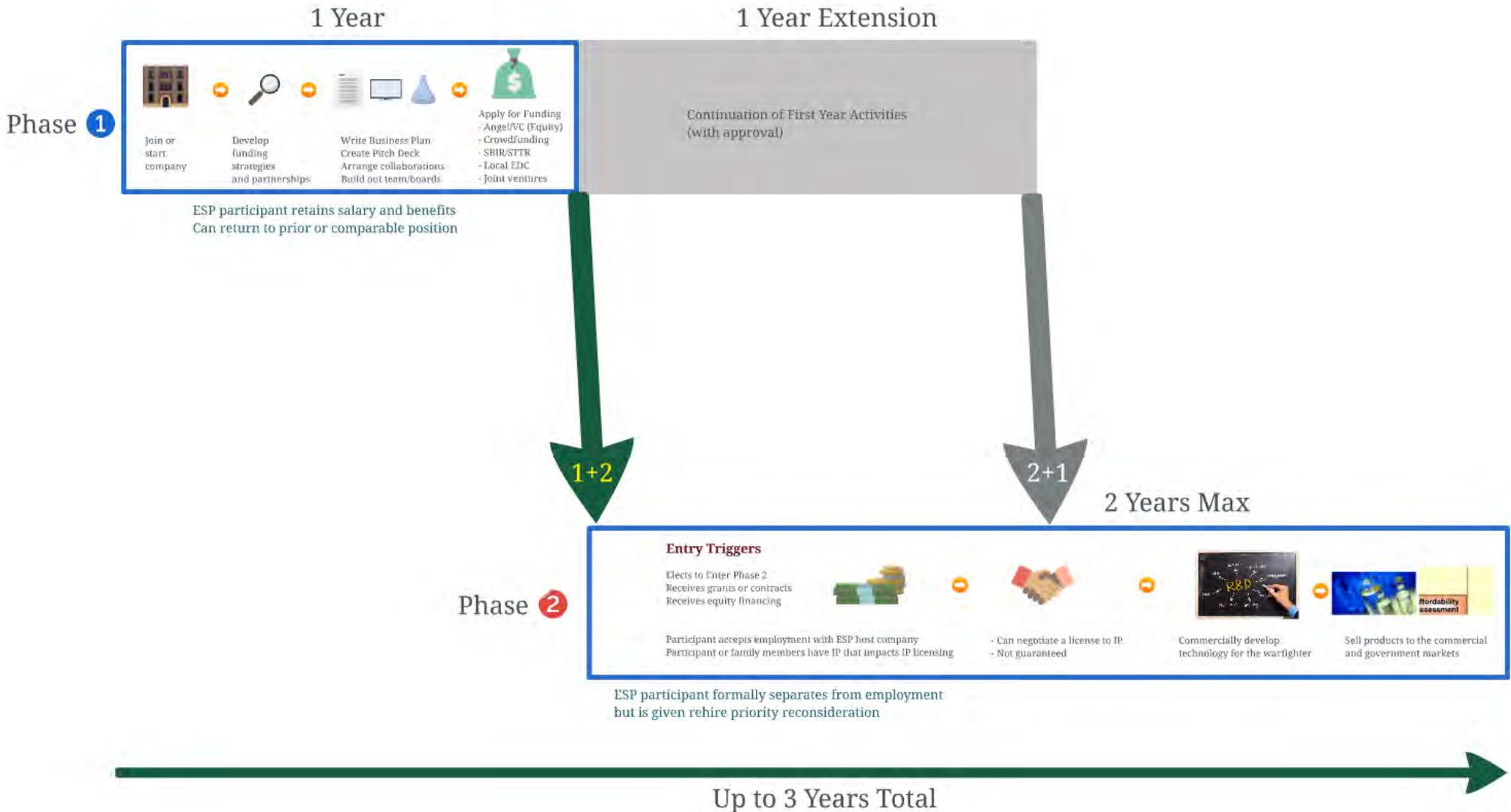
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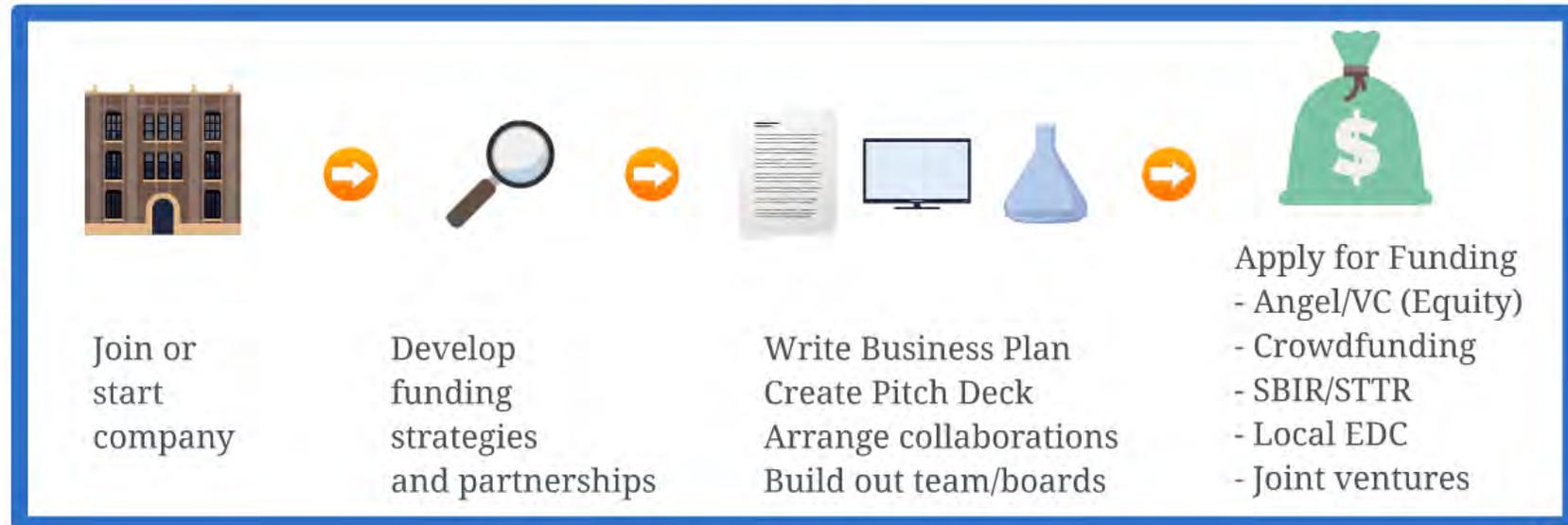
CSO

# Entrepreneur Sabbatical Program



# 1 Year

## Phase 1



ESP participant retains salary and benefits  
Can return to prior or comparable position

# 1 Year Extension

Continuation of First Year Activities  
(with approval)

1+2

2+1

2 Years Max

Phase 2

**Entry Triggers**

Elects to Enter Phase 2  
Receives grants or contracts  
Receives equity financing



Participant accepts employment with ESP host company  
Participant or family members have IP that impacts IP licensing

• Can negotiate a license to IP  
• Not guaranteed

Commercially develop technology for the warfighter

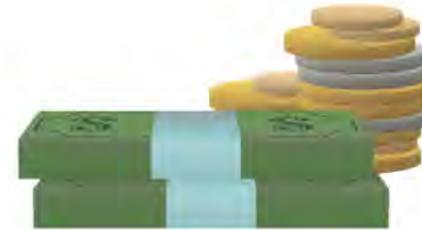
Sell products to the commercial and government markets

ESP participant formally separates from employment but is given rehire priority reconsideration

Up to 3 Years Total

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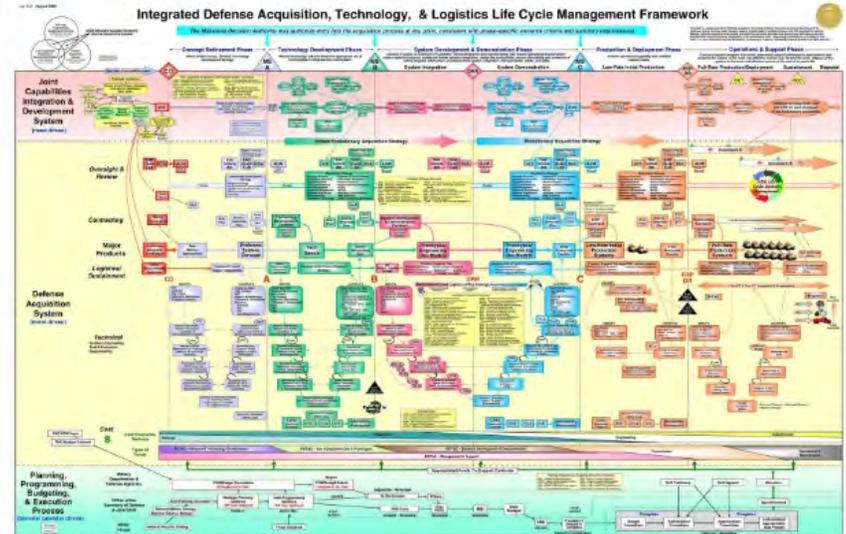
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