

# Defense Industrial Supply Chain Summit

Oct 29-30, 2024  
Charlotte, NC

## Hosted by:

Office of Senator Thom Tillis  
Office of Senator Ted Budd  
NC Military Business Center

NC Defense Technology Transition Office





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## North Carolina Remarks



**United States Senator Thom Tillis**  
North Carolina



## North Carolina Remarks



**Secretary Elaine Marshall**  
North Carolina Department of the Secretary of State



## Keynote Remarks



**Scott Sendmeyer**  
Director for Policy Analysis and Transition  
Office of the Assistant Secretary of Defense for Industrial  
Base Policy



# National Defense Industrial Strategy





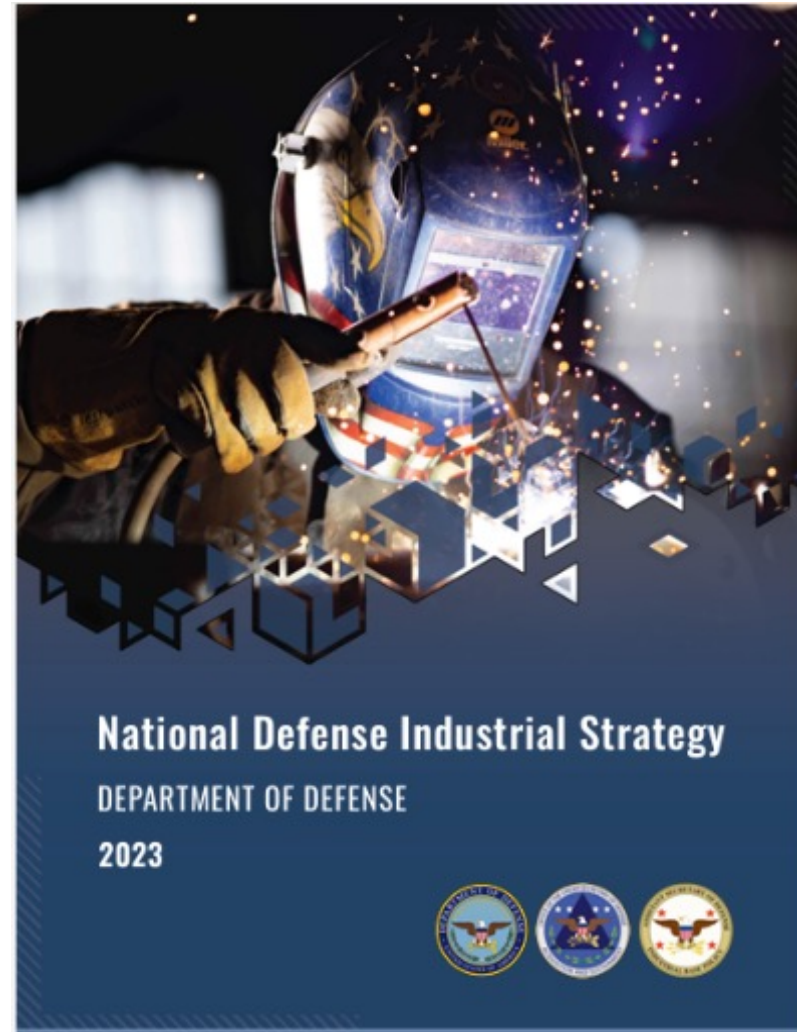


# Established a Guiding Vision



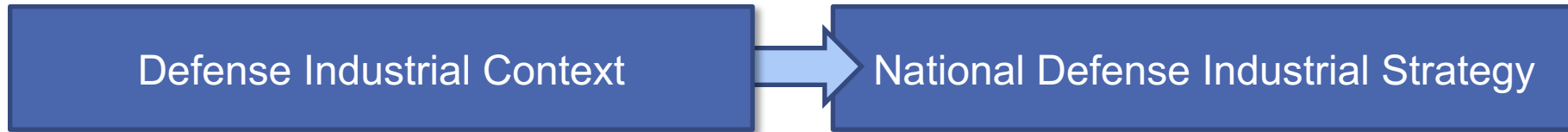
## ***DoD Issued the First National Defense Industrial Strategy (NDIS) on 11 January 2024***

- The NDIS is a **comprehensive** strategy
- Guides resources & policy development over the next **3 to 5 years**
- Builds upon the National Defense Strategy's five enduring advantages to create a **partnership** with Interagency, private sector, Congress, and Allies and partners
- Initiates generational change to build a more robust, resilient, and dynamic DIB ecosystem that will contribute to the nation's **Integrated Deterrence**
- **Implementation Plan** was released on **29 October 2024**





# NDIS Overview



## *Growing Challenges...*



Fragility of Sub-Tier Suppliers



Workforce Shortfall



Underutilization of Multi-Use Technologies



Funding Uncertainty and Constraints



Instability of Procurement

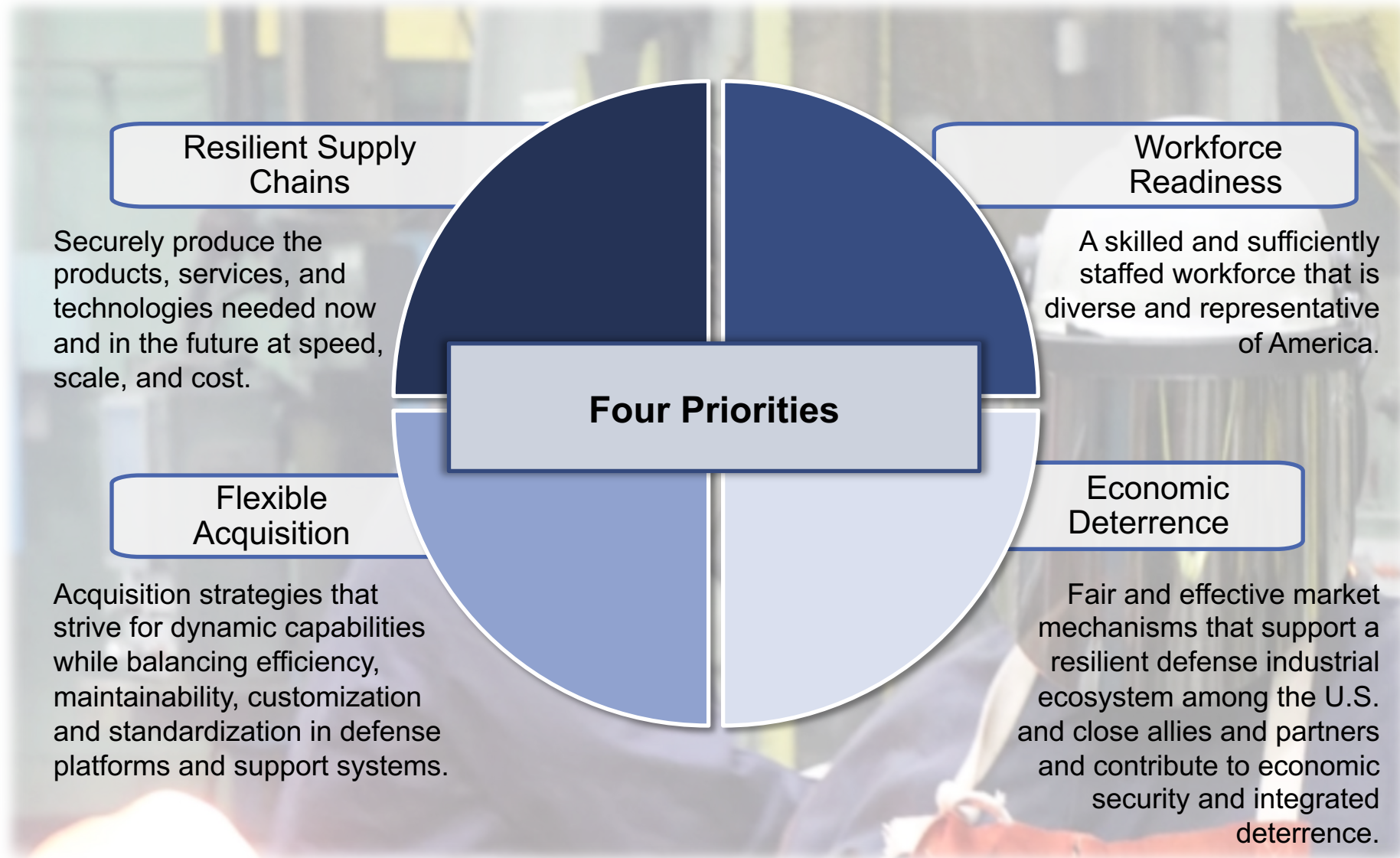
*(and more...)*

## *... Require Effective Collaboration*

- **Strategy** to promote resilient, dynamic industrial base
- **Four priorities:**
  - Resilient Supply Chains
  - Workforce Readiness
  - Flexible Acquisition
  - Economic Deterrence
- Priorities serve as beacons for **actions and resource prioritization**



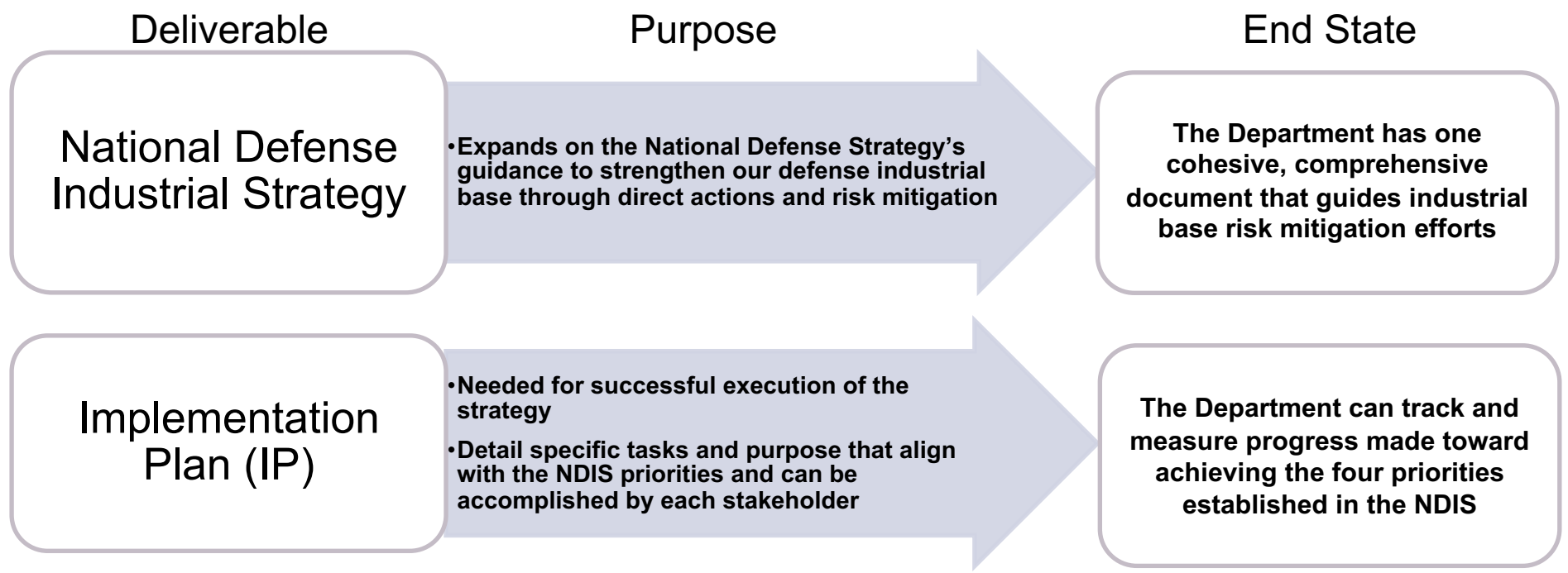
# Priorities to Serve as Guiding Beacons





# Developing an Implementation

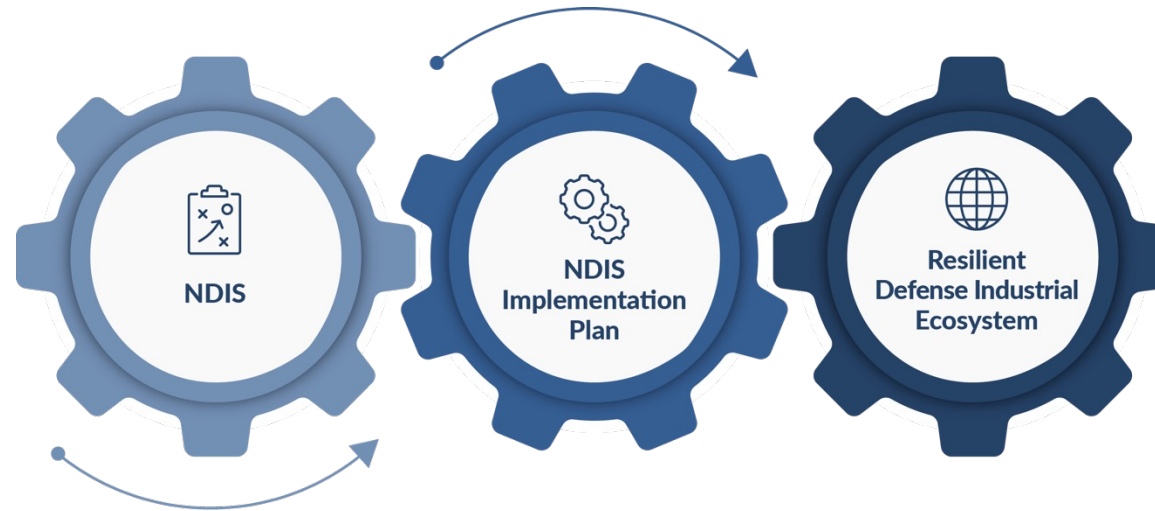
## *Align actions to and measure progress*



**The NDIS-IP aligns with the strategic vision of the NDIS by addressing consequential risks in critical areas and presenting six key initiatives to mitigate risks in the near-, medium-, and long-term and make the strategy real.**



# Implementation Plan



## Implementation Initiative 1

Indo-Pacific Deterrence

## Implementation Initiative 3

Allied and Partner Industrial Collaboration

## Implementation Initiative 5

New Capabilities Using Flexible Pathways

## Implementation Initiative 2

Production and Supply Chains

## Implementation Initiative 4

Capabilities and Infrastructure Modernization

## Implementation Initiative 6

IP and Data Analysis

**This plan translates the vision and objectives outlined in the NDIS into concrete actions and initiatives that will strengthen and modernize our defense industrial base.**

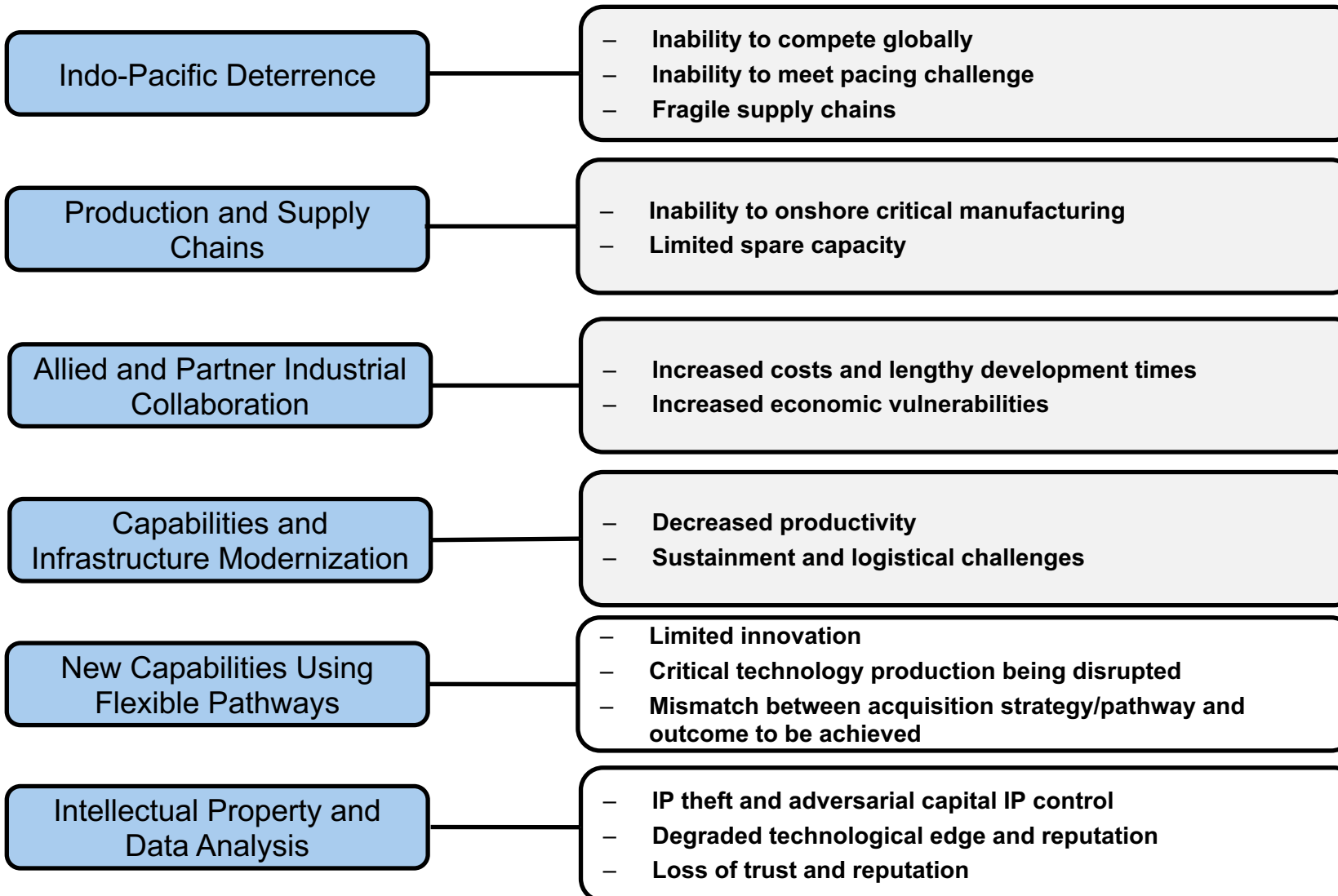


# Risk of Inaction



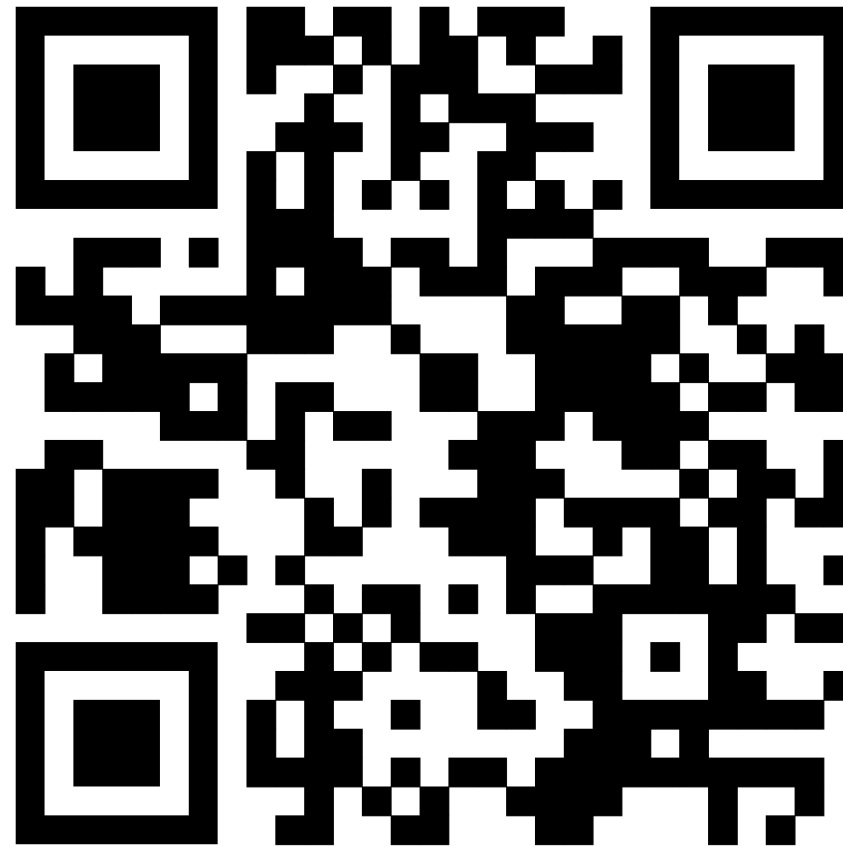
## NDIS-IP Initiatives

## Selected Risks of Inaction





# IBP Website



**Download the NDIS and the NDIS-IP**



## Keynote Remarks



**Robert W. Watts**

Deputy Director, Contested Logistics Cross-Functional Team  
US Army Futures Command





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CUI Category:	Unclassified

# ARMY FUTURES COMMAND CONTESTED LOGISTICS CROSS-FUNCTIONAL TEAM

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Defense Industrial Supply Chain Summit | Mr. Robert Watts

OCT 2024

# CONTINUOUS TRANSFORMATION

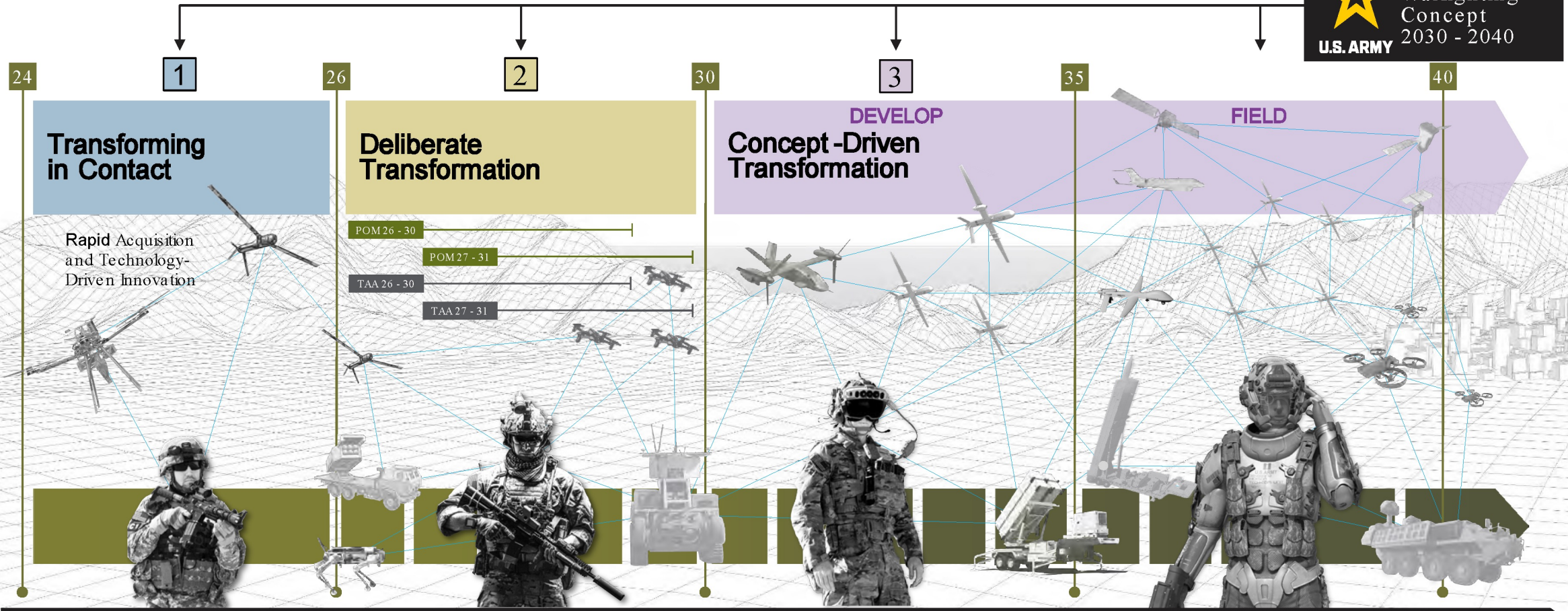


CONTINUOUS TRANSFORMATION

Concept-Required Capabilities

 Army  
Warfighting  
Concept  
2030 - 2040

U.S. ARMY



# CL CFT PORTFOLIOS



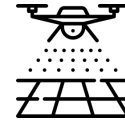
## Precision Sustainment

Enabling rapid, data-driven, and resilient logistics by leveraging advances in artificial intelligence, machine learning, and other technologies



### Problem Statement

How do we use AI, LLMs, and ML to collect, store, process, and utilize key logistics and medical supply data to make better and faster decisions and provide more options for the means and mode of distribution?



## HMI Supply & Distribution Systems

Developing human machine integrated formations deployable to ground, air, and sea while incorporating autonomous capabilities, extending Commanders' operational reach and endurance, while reducing risk to Soldiers



### Problem Statement

How do we autonomously distribute critical supplies (ammo, fuel, maintenance, medical) to land-based formations dispersed over extreme distances in a contested environment, independent of stationary or fixed facilities?



## Advanced Power

Leveraging new technologies in power generation, storage, and re-charge that are more efficient and decrease logistics resupply requirements



### Problem Statement

How do we reduce need for consumable liquid fuels and batteries by integrating solutions in power generation, battery alternatives, hybrid drives, sustainable fuel technologies, and rapid fuel additives?



## Demand Reduction

Utilizing advanced manufacturing, alternative fuels, and new materials to reduce soldier & platform weight and delivery times to meet requirements at point of need



### Problem Statement

How do we reduce the frequency of & demand for resupply & distribution of critical supplies (ammo, fuel, maintenance, medical) to sustain Warfighters and increase operational reach, endurance, speed, and ease?

## Contested Logistics Defined

*“Contested Logistics is the act of planning, executing, and enabling the movement and support of military forces across multiple domains/environments across air, land, sea, space, cyber, and electromagnetic spectrum in a contested environment.”*

# CONTESTED LOGISTICS OPERATIONAL CONCEPT OV-1

