

## S&T Needs & Gaps – How Better to Communicate 27 Apr 2016

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## UNPARALLELED COMMITMENT & SOLUTIONS Act like someone's life depends on what we do.

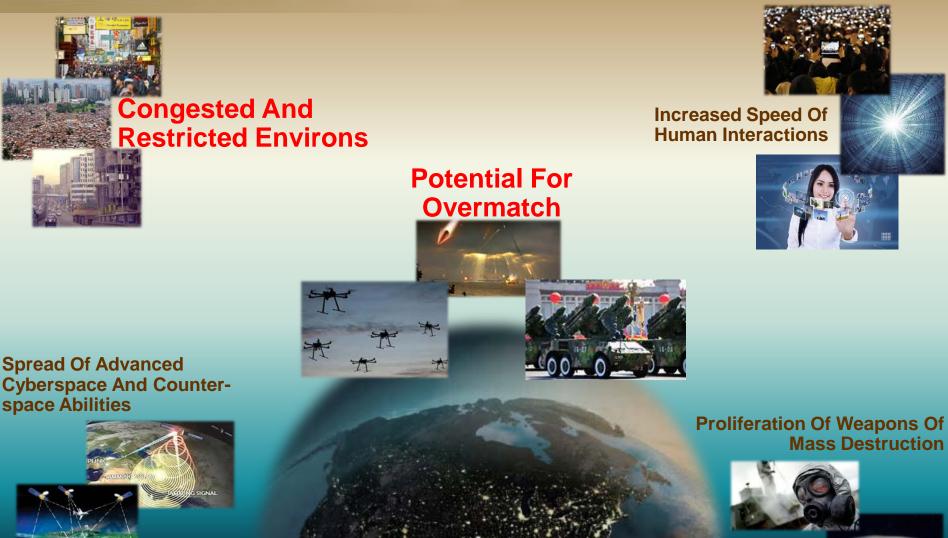




U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT & ENGINEERING CENTER

# Anticipated Security Environment 2025-2040





Ref: US Army Operating Concept: Winning in a Complex World 2020-2040

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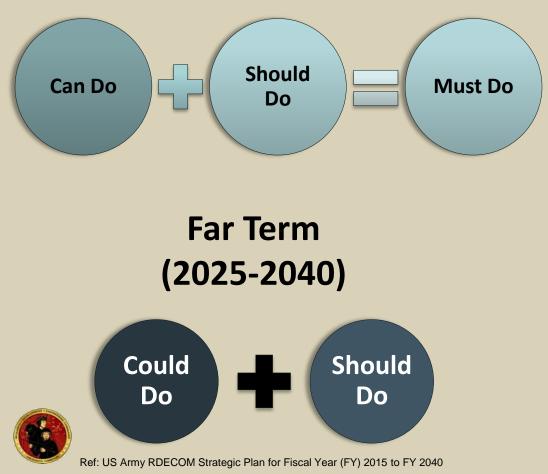
## **Fulfilling Near And Far Term Goals**

UNCLASSIFIED

## Near to Mid Term (2020 - 2025)

US ARMY

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- Mitigate new and emerging threat capabilities
- Enable new or extended military capabilities
- Address costs early in system development
- Create technology surprise



Ref: Deputy Assistant of the Army for Research and Technology (DASA(R&T)) U.S. Army Science & Technology Handbook (Draft) (USA S&T HB)

- Grow adaptive leaders
- Improve reliability
- Maintain overmatch
- Enhance expeditionary capabilities
- Upgrade, protect, simplify the network

technology

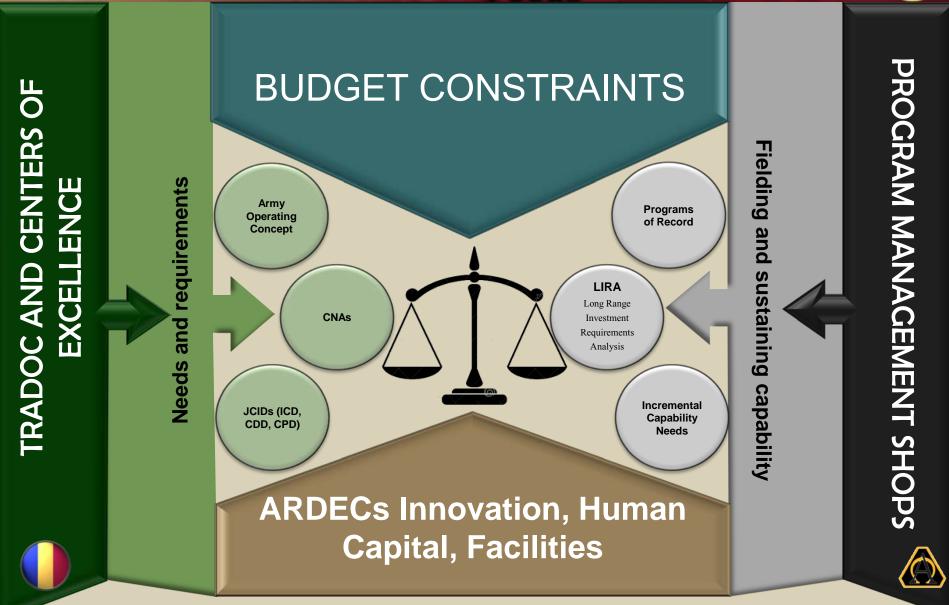
Ref: TRADOC Commanding General's September 2014 letter to the Assistant Secretary of the Army for Acquisition, Logistics and

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## Influencers Affecting ARDECs S&T Focus



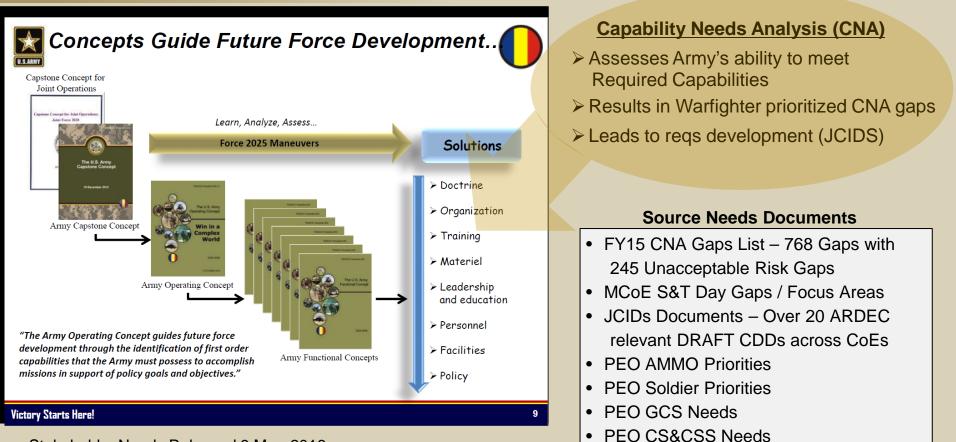


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## Stakeholder Needs To Be Addressed By ARDEC S&T





- Stakeholder Needs Released 9 Mar. 2016
- Release restructured/aligned by FY15 CNAs
- Additional source documents continue to be identified/assessed/incorporated
- Prioritization efforts ongoing, led by Systems Engineering Systems Analysis Division
- Continued efforts/communication enable Better Buying Power initiatives Distribution A: Approved for Public Release; Distribution is unlimited

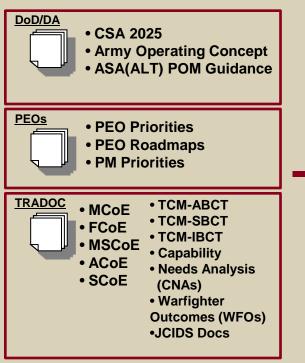
PEO Aviation Gaps

## ARDEC S&T Needs & Investment Analysis Process



#### Needs/Source Documents

U.S. ARMY RDECOM



- Identification, coordination, organization of individual "Source Documents" needs/gaps/priorities into one list.
- Collected from multiple lethality stakeholders

#### ARDEC S&T Portfolio



- Sets priorities for future investments (POM)
- Enables adjustments to on-going efforts
- Details/communicates opportunities to Service labs, industry, academia, international

#### Lethality S&T Opportunities



- Utilized by ARDEC Scientists and Engineers to marry innovation to needs
- Made available to industry partners to facilitate cooperative long term planning to include IR&D investment

### Analysis...Exchange Information...Communication...Planning...Prioritization

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