# AUGMENTING INTELLIGENCE USING MACHINES (AIM)

## AIM PORTFOLIO OF INITIATIVES

### MISSION INITIATIVES

**Indications & Warnings**
Tools and processes to augment human judgements in support of the rapid identification and assessment of the form, time and fashion of national threats

**Cybersecurity**
Tools and processes in support of Human/Machine teams that detect, prioritize and respond in a timely way to cyber intrusions

**Countering Influence Operations**
Full and partially automated methods to detect the authenticity of information

**Identity Intelligence – Support for National Vetting**
Accelerating and deepening the analysis of all IC identity data on national security threat actors with focus on national vetting

**Identity Intelligence – Transnational Crime and Illicit Networks**
Enriched identity resolution across all available IC data to support efforts fighting transnational crime

**Intelligence on the Edge**
Leveraging AAA technologies to gain an increase the speed and accuracy of pattern recognition and continuous vetting in order to enhance field situational awareness

Collectively these initiatives will deliver transformative multi-INT AIM capabilities, scalable across IC missions

### FOUNDATIONAL INITIATIVES

**Workforce**
Increase AAA literacy IC-wide through expansion and improvement of internal and external training and job opportunities

**Digital Foundation**
AI-ready IC digital infrastructure and data ecosystem

**Research & Tradecraft**
Research and workflows that enable the IC to develop AAA systems for intelligence missions

**Acquisition**
Fast, flexible, and secure procurement of AI-related capabilities

**Accreditation & Authorization**
AI software rapidly installed, approved and operated

**Partnerships**
Expanded AI partnership programs with other USG agencies, industry, academia, and FVEY allies

**AI Security**
IC AI activities secured against adversarial actions

**AI Security**
Improved understanding of global AI trends & adversarial tactics, techniques and procedures

### AIM STRATEGIC OBJECTIVES

Ensure a digital foundation – computation and data infrastructure geared towards AI and ML

Develop programs for rapid adoption of best of breed agile commercial, open source and IC-developed AI solutions

Invest in long term Research and Development (R&D) where industry is less engaged; e.g., AI Assurance

Increase unified enterprise awareness and insights on the global development of AI/ML technologies to include adversarial uses
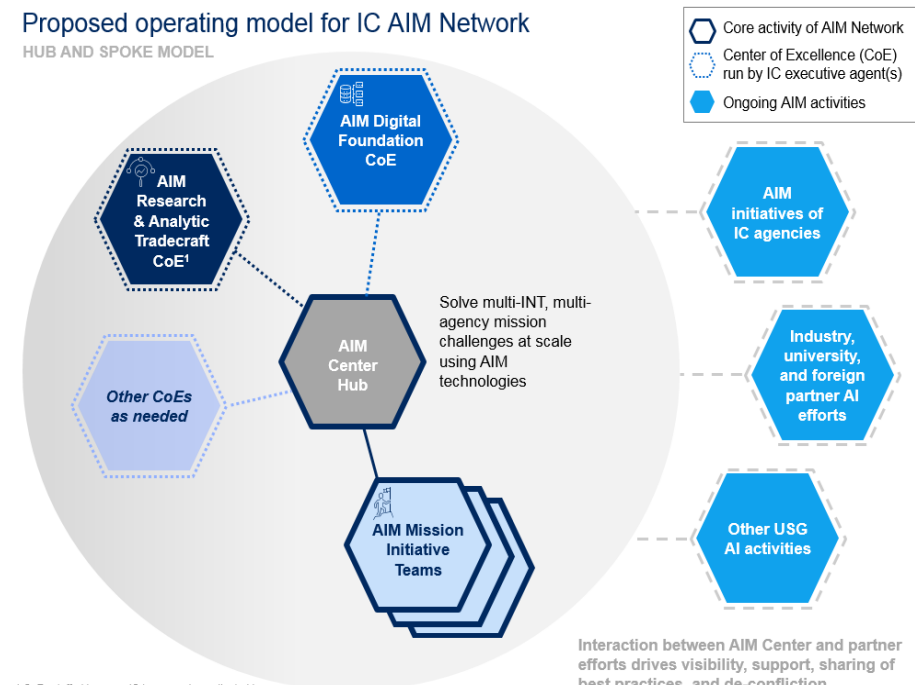
## VISION

**To secure and maintain strategic competitive information advantage for the US Intelligence Community for the next decade through focused development and rapid adoption of Artificial Intelligence, Augmentation, and Automation technologies.**

## FUNCTIONS OF THE IC AIM NETWORK

1. Solve multi-INT, multi-agency mission challenges at scale using AIM technologies
2. Encourage and harmonize non-mission challenge AI efforts to enable rapid experimentation and deployment
3. Grow the digital foundation required to scale AIM technologies
4. Address policy and legal roadblocks hindering AIM adoption
5. Deepen and expand understanding of adversarial AI capabilities

### Proposed operating model for IC AIM Network
HUB AND SPOKE MODEL

Core activity of AIM Network
Center of Excellence (CoE) run by IC executive agent(s)
Ongoing AIM activities

AIM Digital Foundation CoE

AIM Research & Analytic Tradecraft CoE[1]

Other CoEs as needed

AIM Center Hub

Solve multi-INT, multi-agency mission challenges at scale using AIM technologies

AIM Mission Initiative Teams

AIM initiatives of IC agencies

Industry, university, and foreign partner AI efforts

Other USG AI activities

Interaction between AIM Center and partner efforts drives visibility, support, sharing of best practices, and de-confliction

[1] CoEs staffed by cross-IC teams and coordinated by AIM Center Hub to ensure development of whole-of-IC solutions

# IC and DoD partnership in Artificial Intelligence

**Intelligence Community**

Augmentation &
Automation
Identity Intelligence
Trends and context
Anomaly detection
Sense-making
Denial and Deception

Agile, Expert Workforce
Research & Commercial Engagement
Digital Foundation
    Commercial Cloud
    Interoperability & Operation
Data & classification standards
AI Validation & Verification
Explainable AI
Science & Technical Intelligence
Knowledge Management

**Dept. of Defense**

Autonomous systems
Training and readiness
Modeling and simulation
Unmanned operations
Maintenance and Supply

Partnership and Shared Situational Awareness