



Director, Operational Test and Evaluation



Information Assurance Policy

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Strategic & C³I Systems

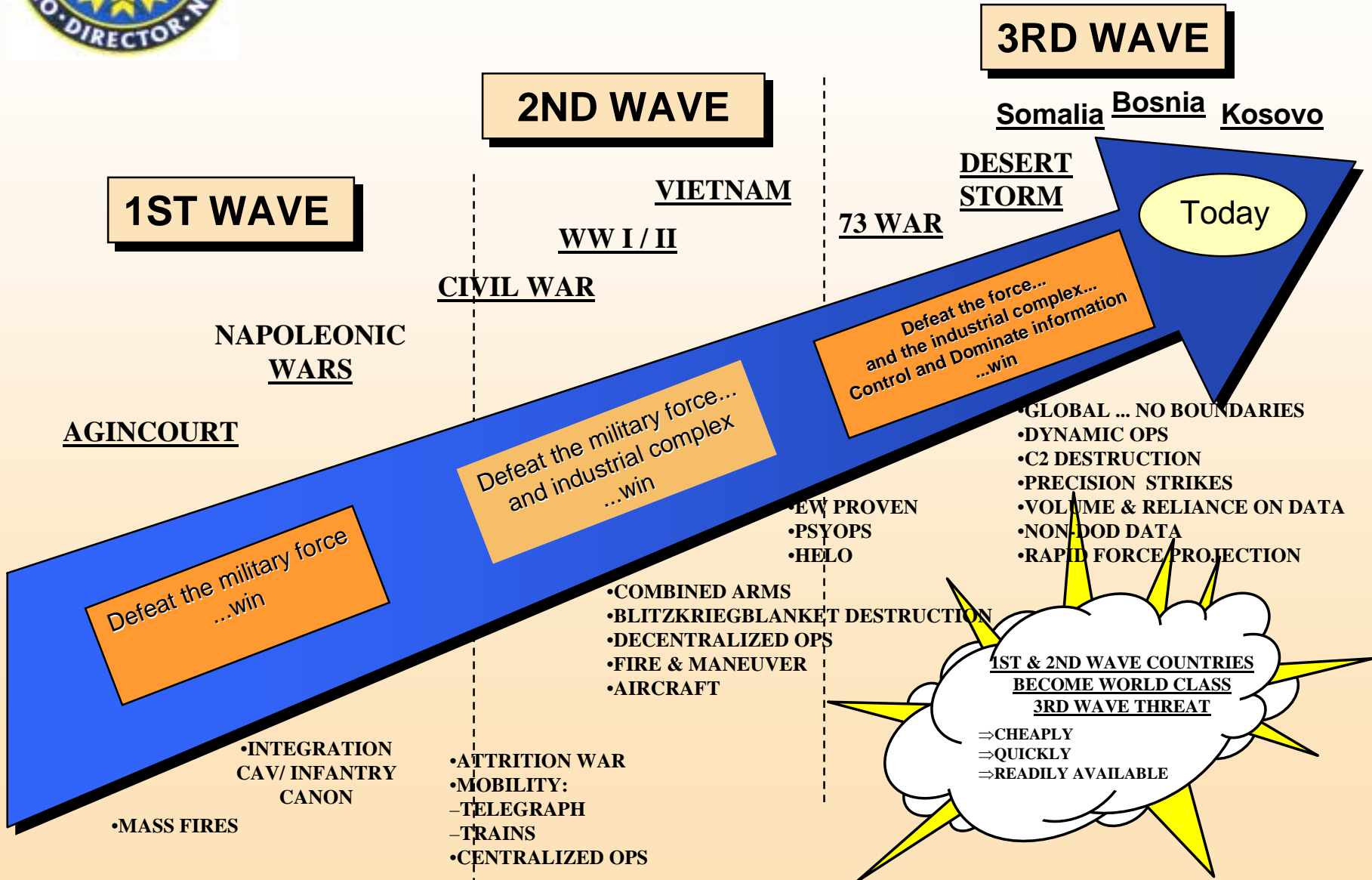


Conference Goals

- **Review need for improved Information Assurance across DoD**
- **Promote better understanding of policy and test metrics**
- **Understand how Services are implementing IA policy**
- **Provide open forum for discussion of issues and challenges**
- **Share “lessons-learned” from military and civilian IA testing**



The Future is Now





Policy and Guidelines

- **Policy for Information Assurance Testing**
 - FY 2000 Congressional Mandate & Language
 - DoD OTE IA Policy signed 17 November 1999
- **Guidelines and IA Metrics**
 - Requested early in policy development process by all Operational Test Agencies (OTAs)
 - Formulated in Multi-Service Workshops (1999-2000)
 - DoD Guidelines signed 19 January 2001

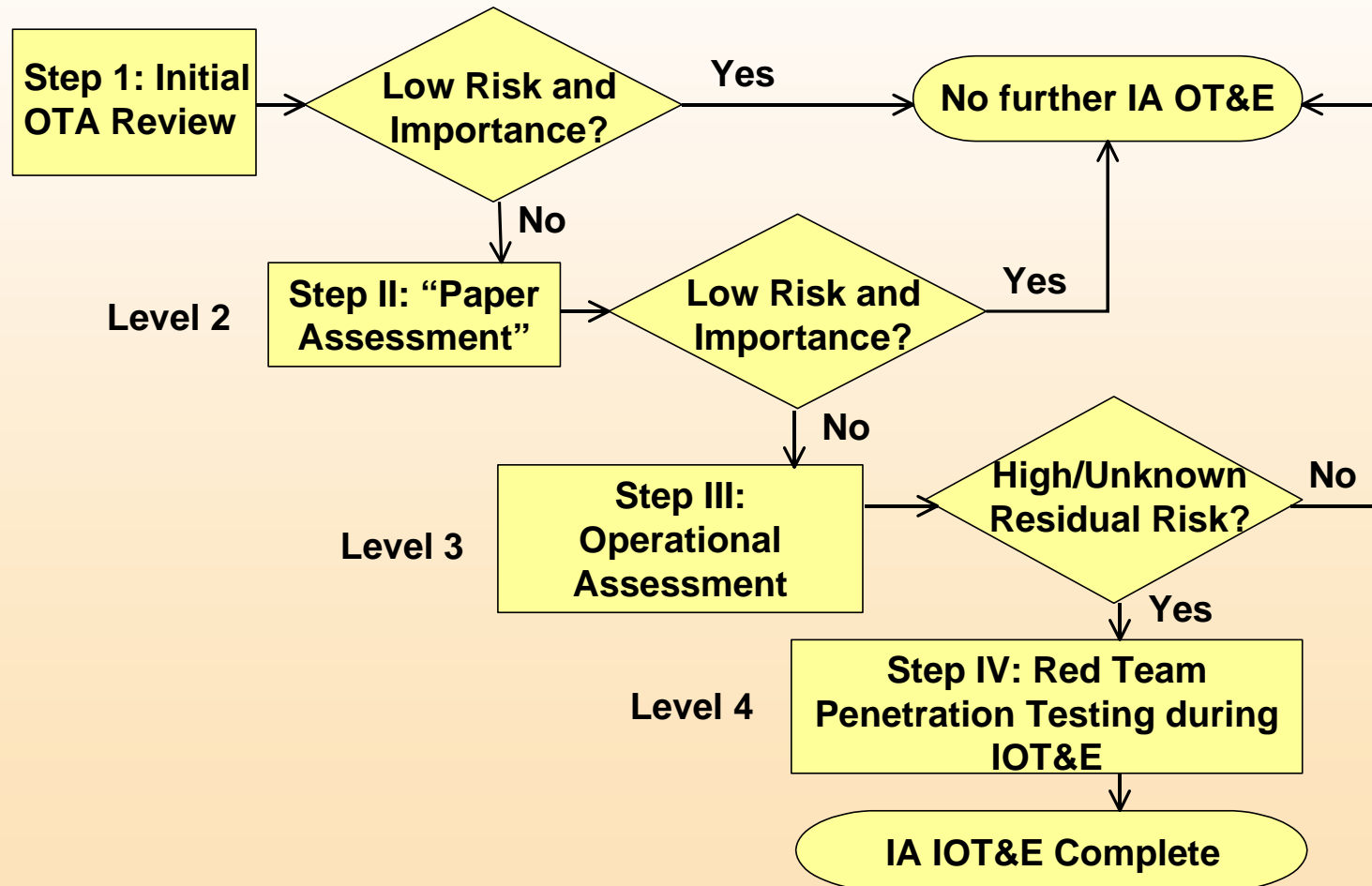


Policy

- **In place and supports Joint Vision 2010 / 2020**
 - Requires protection of military systems from attacks
 - Cites applicable DoD Directives, Instructions, and Regulations
 - Crafted to leverage existing processes
- **Intent is to ensure:**
 - **Availability, integrity, authentication, confidentiality, and non-repudiation** of critical program technology and information
 - Will provide an early look at issues through DT results
- **Policy addresses an IA OT&E process**
 - Review; paper assessment; operational assessment; and/or penetration testing
- **Applies to all programs**



Process with Risk Levels



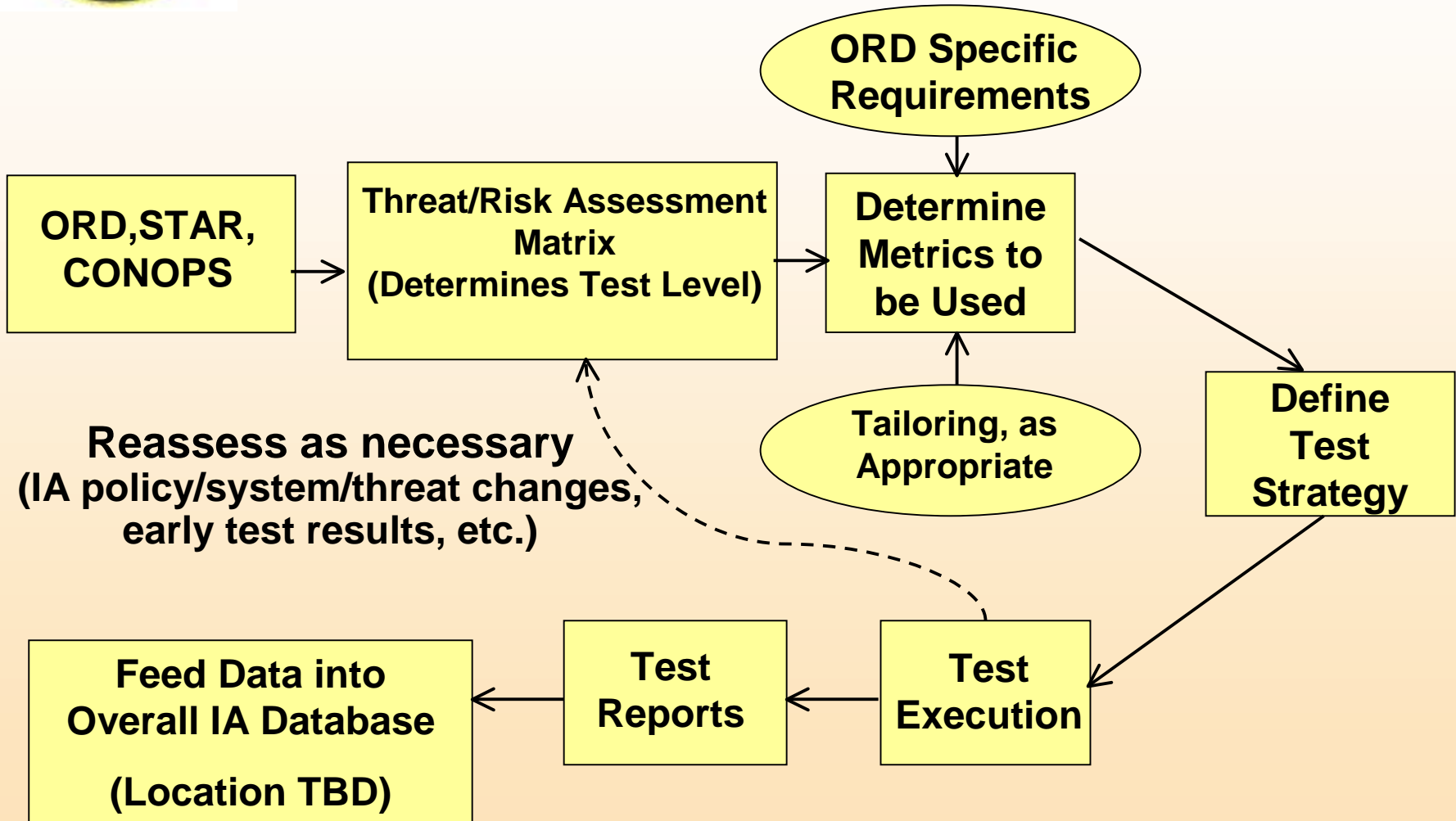


Guidelines Focus

- **Are Guidelines... Not a Directive**
- **Supports approved DOT&E policy**
- **Based on “Protect - Detect - React” Strategy**
- **Requires evaluation of Threat vs. Penetration Likelihood**
- **Features 6 principal metrics with basic test standards for each**
- **Provides process to determine level of testing**



IA OT&E Process





The Way Ahead ?

- **Establish regular feedback mechanism on policy/metrics effectiveness after March 2001 Conference**
- **Pursue selected programs as case studies for implementation of policy and metrics**
 - **Build library of recent IA test results,**
 - **Increase involvement with the community, including IA industry**