



OSD CAPE Overview and Policy Update

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The overall classification of this briefing is:
Unclassified

Cost Assessment Functions

OSD CAPE

DCAPE is the principal official for independent cost estimation and cost analysis for DOD

- Conducts independent cost estimates (ICEs) and cost analyses
- Conducts cost analyses of major programs which use multiyear contract authority
- Reviews cost estimates for major acquisition programs to ensure adequate funding
- Supports the Programming, Planning, Budgeting, and Execution system by providing cost analysis
- Prescribes policies and procedures for cost estimation and cost analyses in DoD
- Prescribes policies and procedures for the reporting and collection of actual cost data and other related information for acquisition programs (CADE and EVAMOS)
- Provides leadership in the education and training of the DoD and other United States government cost analysis communities (~2,000 government analysts)
- Produces annual report on Cost Assessment Activities and DoD's progress to improve costs estimates and analysis

Public website: <https://www.cape.osd.mil/>

Cost Assessment Data Enterprise (CADE)

OSD CAPE

CADE is the authoritative data source for the defense cost estimating and analysis community.

Collects, organizes, and displays actual cost data in an integrated single web-based application, improving data quality, reporting compliance and source data transparency.

Government only access, but includes reporting contractors

The screenshot shows the CADE web application interface. At the top, there is a navigation bar with a back arrow, a refresh icon, the CADE logo, and the URL <https://cade.osd.mil>. Below the navigation bar is a main content area with a sidebar on the left and five main columns: Cost, Acquisition, Technical, Library, and Training. The sidebar contains the CADE logo and the text 'COST ASSESSMENT DATA ENTERPRISE' followed by a list of features: 'Actuals: Cost & Technical Data', 'Program and Data Situational Awareness', 'Analysis-Ready Data Downloads', and 'Quick-Look Visualizations'. The 'Cost' column lists 'Analysis-Ready Data Downloads', 'Profit & Fee Visibility on FFP contracts', and 'Insight into Prime and Subcontractor Data'. The 'Acquisition' column lists 'Completes the story of a program lifecycle cost', 'Program Information', and 'SAR/MAR Annual Funding', accompanied by a line graph titled 'Dec-2014 SAR (Missions - OASD)'. The 'Technical' column lists 'Only place in the DoD that ties cost & technical data' and 'Software analysis at the CSCI level', accompanied by a Gantt chart. The 'Library' column lists 'Searchable data for historical reference at your fingertips' with sub-points: 'Cost Estimates', 'Funding Memos', 'Program Briefings', 'ICEs, SCPs', and 'Research Studies', accompanied by a document thumbnail. The 'Training' column lists 'Fully populated and functional "fake" CADE environment (FACADE)' with sub-points: 'Used in live and online training environments', accompanied by a line graph. At the bottom of the screenshot is a blue banner with the text 'CADE is the authoritative data source for estimating and analyzing Major Defense Programs'.

CADE is the authoritative data source for estimating and analyzing Major Defense Programs



300+ Programs

9,000+ CCDR Submissions

Enterprise Visibility and Management of Operating and Support Cost (EVAMOSOC)

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- **EVAMOSOC is a data platform to collect and report actual operating and support (O&S) data for all major weapon systems**
- **Incorporates technologies for:**
 - Ingesting, aggregating, standardizing, visualizing, reporting, and securing a large amount of data (anticipating over 75 sources and TBs of data)
 - Serving multiple functional communities: financial management, logistics, maintenance, human resources, property, and acquisition
 - An architecture that is scalable to include weapon systems across the DoD
- **EVAMOSOC will not only address capability gaps in current data collection systems for the cost community, but will also be useful for:**
 - Program Reviews, Readiness Planning, and others in the Acquisition Community
- **EVAMOSOC is early in its development and OSD CAPE recognizes the importance of collaborating early and often with the Services to ensure EVAMOSOC data is accurate, consistent between the Services, clearly documented, and informative**
 - Data transformation decisions will be reviewed in accordance with the EVAMOSOC Data Governance Board Policy

Public Website: EVAMOSOC.OSD.MIL

OSD CAPE-led Cost Forums

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OSD CAPE Cost and Technical Focus Group

- Includes government and industry
- Provides training on use of CADE
- Discusses important updates to cost reporting requirements (e.g., FlexFiles)
- Email CADESupport@tecolote.com for questions

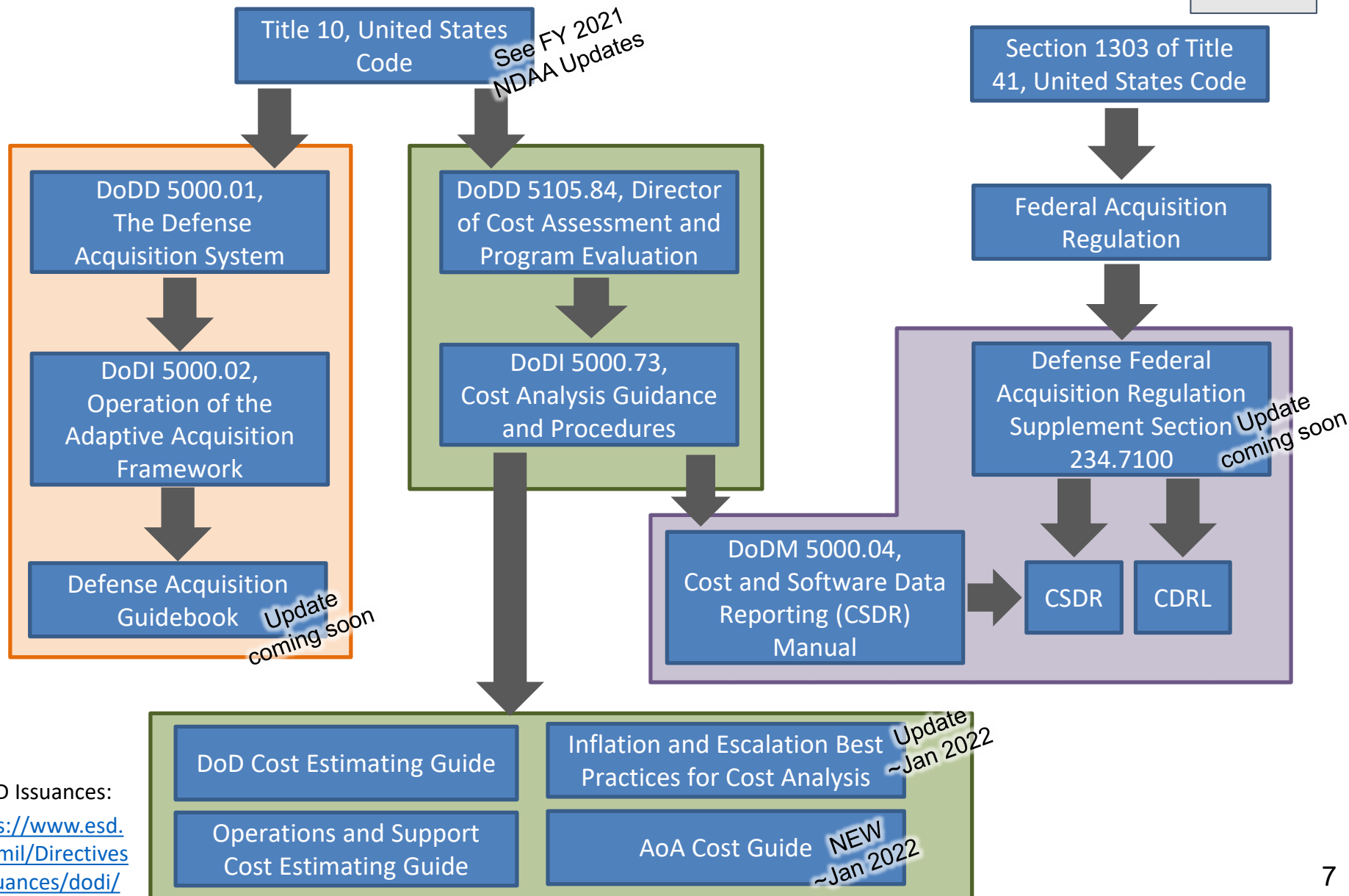
Cost Integrated Process Team

- Forum to facilitate information exchange among the government and industry cost communities to improve cost data collection, reporting, analysis, and estimating throughout the acquisition life cycle.
- Bi-annual general sessions plus 1v1s with industry to discuss ideas and concerns, policy updates, etc
- Last general session included over 300 total registrants:
 - OSD and all Services represented, including all cost agencies, some PEOs
 - COCOMs (TRANSCOM, SOCOM)
 - 125 industry reps from 37 corporations across multiple sectors (GCV, Shipbuilding, Aerospace)
- Email richard.b.coots.civ@mail.mil to join mailing list

Policy Overview

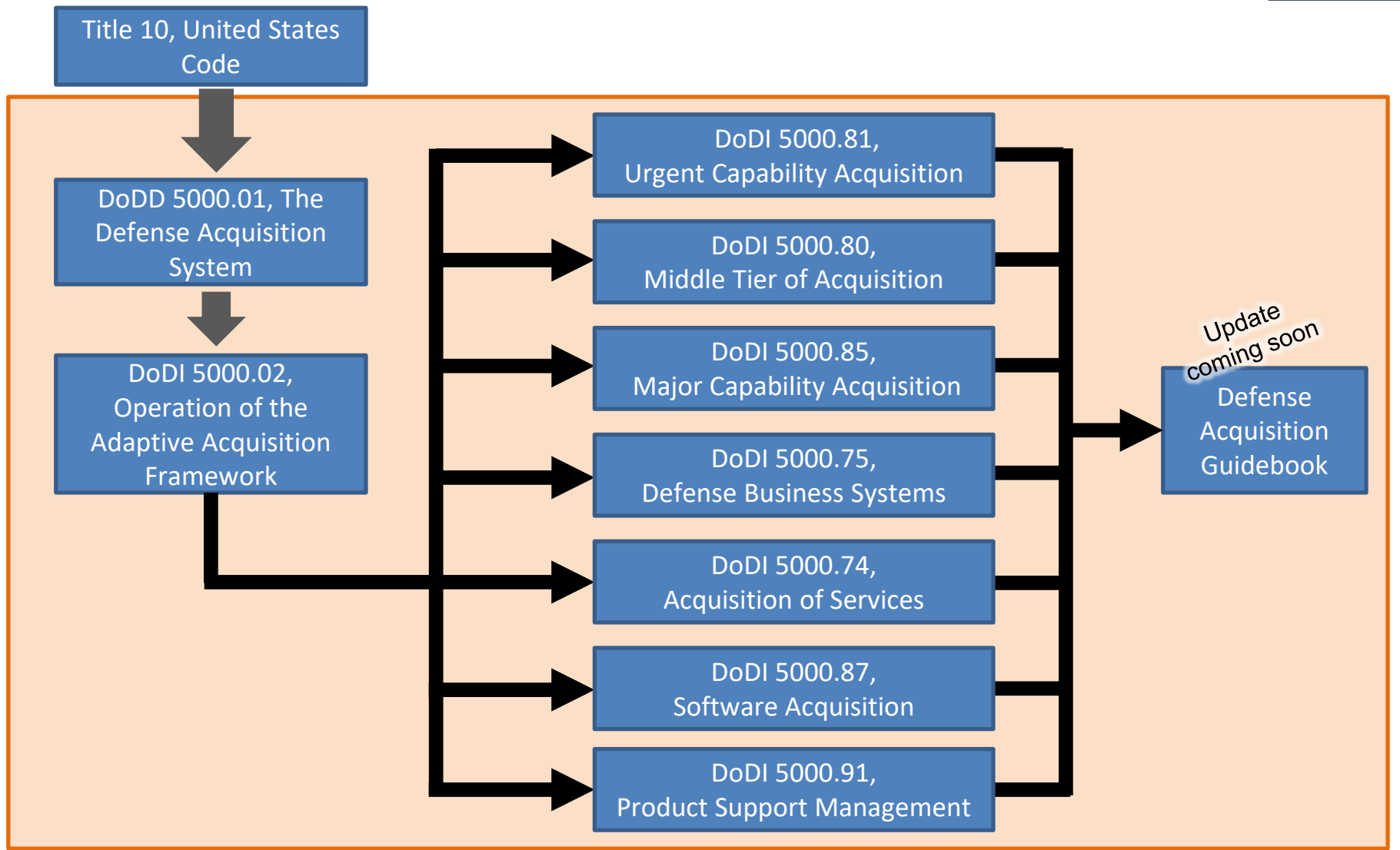
Acquisition Authority and Guidance

OSD CAPE



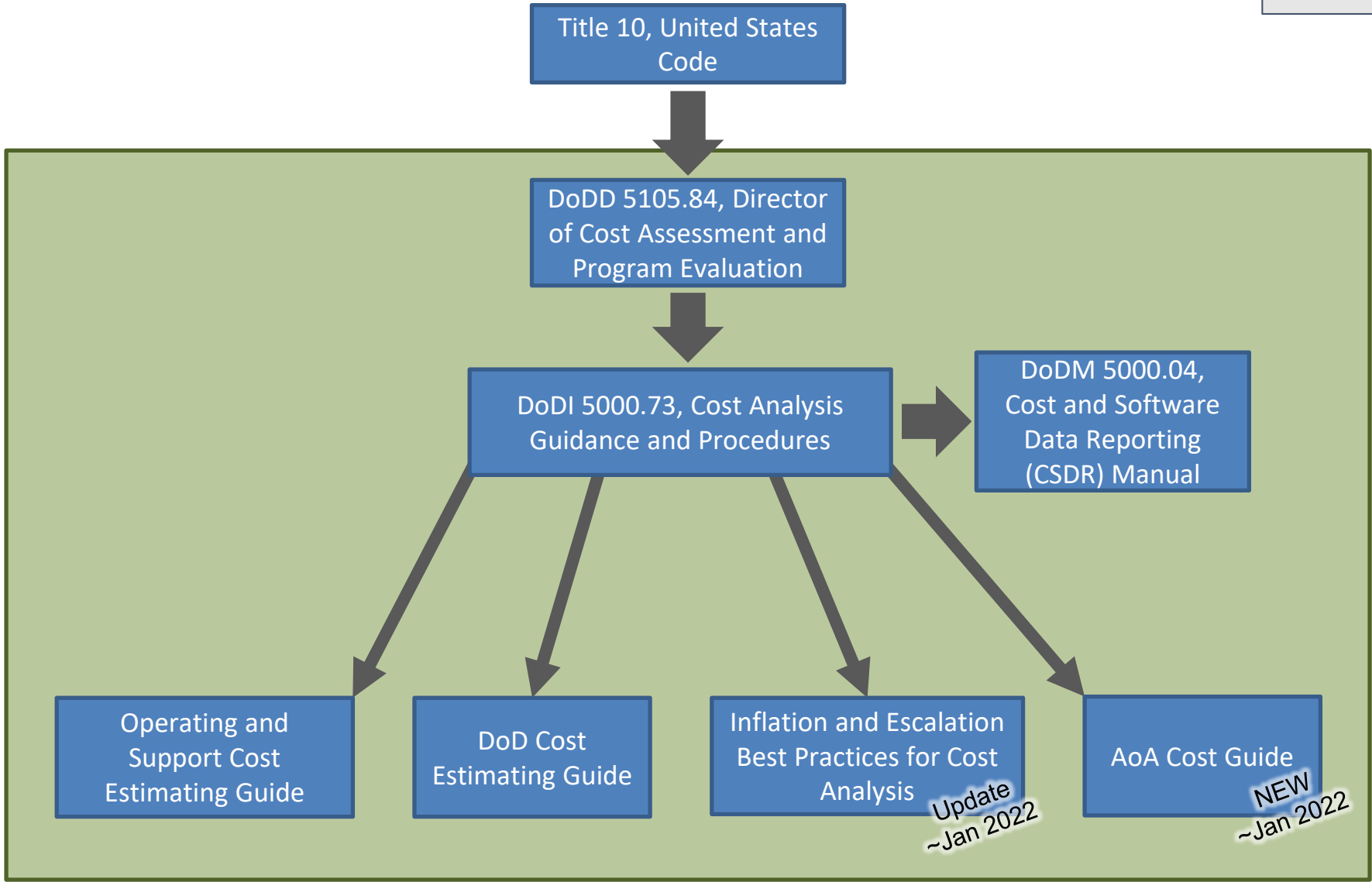
Adaptive Acquisition Framework Pathways

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Cost Authority & Policies

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Status of Recent and Upcoming Policy/Guide Updates

OSD CAPE

- **DoDI 5000.73, Cost Analysis Guidance and Procedures:** released March 2020
- **O&S Cost Estimating Guide:** released September 2020
- **DoD Cost Estimating Guide:** released December 2020
- **DoDM 5000.04, Cost and Software Data Reporting:** released May 2021
- **Inflation and Escalation Best Practices Handbook:** in final publication process
- **AoA Cost Guide:** in final publication process
- **MIL-STD-881F:** A&S adjudicating comments
- **Cost Reporting DFARS:** CAPE submitted revisions to align DFARS with DoDI 5000.73 & DoDM 5000.04
- **Program Resource Distribution Table (RDT) Instructions:** adjudicating final comments, finalizing data submission requirements and procedures
- **Contract RDT Data Item Description (DID):** adjudicating final comments, finalizing data submission requirements and procedures

<https://www.cape.osd.mil/#CAPEPublicReports>

Cost Estimating and Reporting Statutory Authority

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- 10 U.S.C. § 139a. Director CAPE
- 10 U.S.C. § 221. FYDP: submission to Congress; consistency in budgeting
- 10 U.S.C. § ~~2306b(i)~~ 3507. conduct cost analysis for certification of MYP savings
- 10 U.S.C. § ~~2334~~ 3221-3227.
 - § 3221(b)(1). policies and procedures for the conduct of cost estimation and analysis
 - § 3221(b)(4). issue guidance relating to life-cycle management and sustainability costs in MDAPs
 - § 3221(b)(5). review all cost estimates and cost analyses conducted in connection with MDAPs
 - § 3221(b)(6). conduct ICEs for MDAPs and major subprograms at MS A, MS B, LRIP, FRP, and at any other time deemed appropriate by DCAPE
 - § 3227. develop policies, procedures, guidance, and a collection method for collection of cost data for acquisition programs over \$100 million
- 10 U.S.C. § ~~2366a~~ 4251. Determination required for MDAPs before Milestone A approval that Analysis of Alternatives has been completed and a cost estimate for the program has been submitted and concurred by DCAPE
- 10 U.S.C. § ~~2366b~~ 4252. Certification required for MDAPs before Milestone B approval that cost and schedule estimates are reasonable and concurred by DCAPE
- 10 U.S.C. § ~~2366c~~ 4253. Provide independent estimated cost and schedule for MDAPs within 15 days of Milestone C
- 10 U.S.C. § ~~2337a(c)~~ 4325. Develop and maintain a database on operating and support estimates, supporting documentation, and actual operating and support costs for major weapon systems
- 10 U.S.C. § ~~2433a~~ 4328. Conduct cost assessment for critical Nunn-McCurdy breach as part of reassessment of program and certification to Congress
- 10 U.S.C. § ~~2441~~ 4323. Include sustainment reviews in ICEs for MDAPs within 5 years of IOC and every 5 years thereafter
- 10 U.S.C. § ~~2446b(b)~~ 4402. Include consideration of modular open system approach in AoA study guidance
- **Weapon Systems Acquisition Reform Act of 2009 (Public Law Public Law 111-23)**

Strikeout = old section numbers,
see 2021 NDAA Sec. 1812 for
Title 10 revisions

New section numbers take effect 1 Jan 2022

Questions?