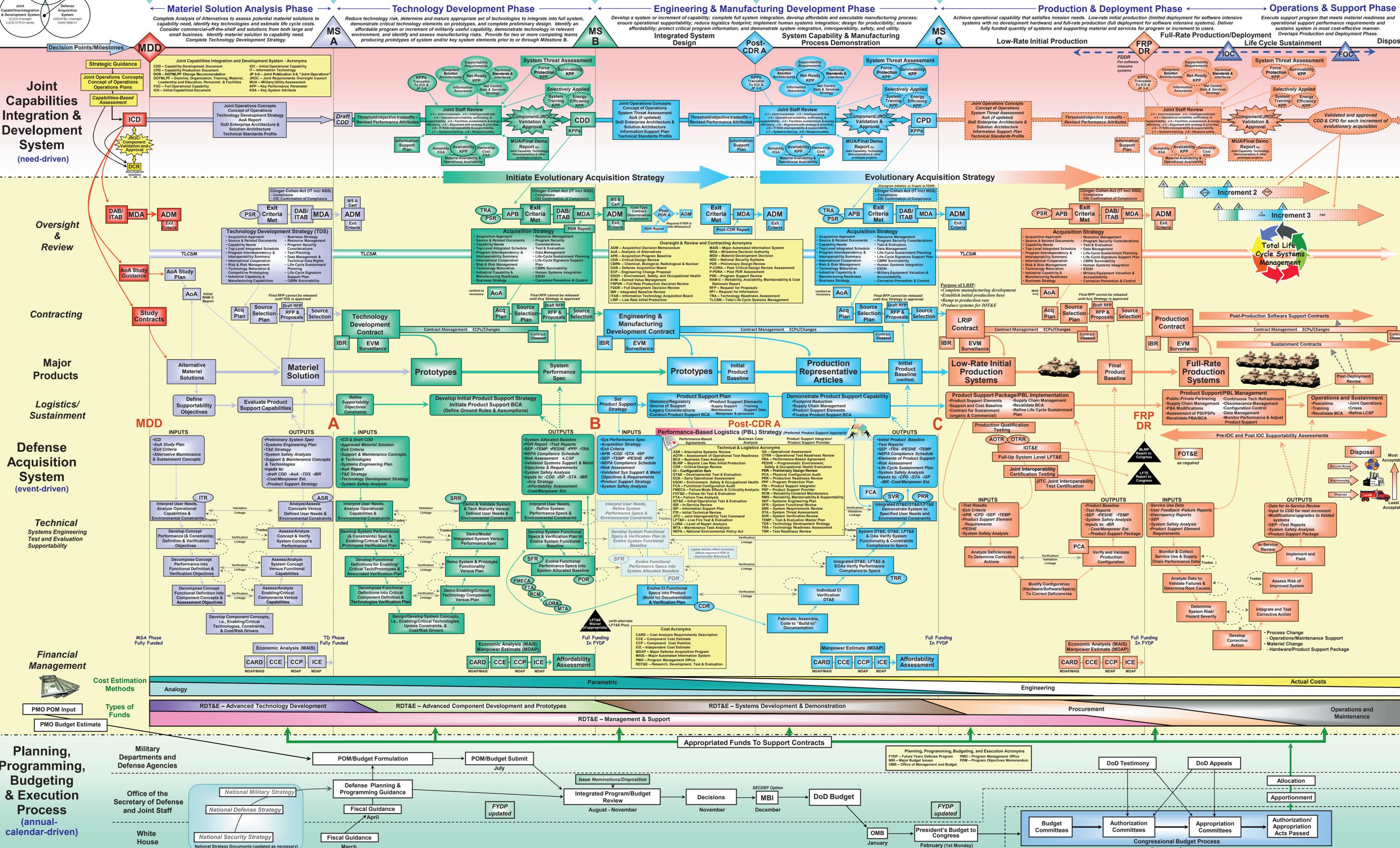


Integrated Defense Acquisition, Technology, and Logistics Life Cycle Management System

Following the Materiel Development Decision, the Milestone Decision Authority may authorize entry into the acquisition process at any point, consistent with phase-specific entrance criteria and statutory requirements

This chart is a classroom aid for Defense Acquisition University students. It provides a notional illustration of interfaces among three major decision support systems used to develop, produce and field a weapon system for national defense. Defense acquisition is a complex process with many more activities than shown here and many concurrent activities that cannot be displayed on a two-dimensional chart. For more information, see the Defense Acquisition Portal (<http://dap.dau.mil>).



Integrated Defense Acquisition, Technology, and Logistics Life Cycle Management System

1. INTRODUCTION. The Integrated Defense Acquisition, Technology, and Logistics Life Cycle Management System Chart is a training aid for Defense Acquisition University (DAU) courses. It serves as a pictorial roadmap of key activities in the systems acquisition process. The chart illustrates the interaction of the three-key processes that must work in concert to deliver the capabilities required by the warfighters: the requirements process (Joint Capabilities Integration & Development System [JCIDS]), the acquisition process (Defense Acquisition System), and program and budget development (Planning, Programming, Budgeting, and Execution [PPBE] process). The three major decision support systems are illustrated in the top left of this chart. This chart is based on policies and guidance from the following federal and Department of Defense (DoD) documents and Web sites:

- **DoD Directive 5000.01.** The *Defense Acquisition System*, May 12, 2003
- **DoD Instruction 5000.02.** *Operation of the Defense Acquisition System*, Dec. 8, 2008
- **DoD Acquisition Guidebook (DAG).** <https://dag.dau.mil>
- **CJCS Instruction 3170.01G.** *Joint Capabilities Integration and Development System*, Mar. 1, 2009
- **JCIDS Manual (ICD).** *Joint Capabilities Integration and Development System*, July 31, 2009
- **CJCS Instruction 6212.01E.** *Interoperability of Information Technology and National Security Systems*, Dec. 15, 2008
- The following Internet sites provide additional information:
 - **Acquisition Community Connect (ACC).** <http://acc.dau.mil> provides information on acquisition, technology, and logistics processes. ACC has links to acquisition-related communities of practice, other special interest areas, and to the DAU Continuous Learning Center.
 - **DAU Continuous Learning Center (CLC).** <http://clc.dau.mil>. The CLC provides access to lessons for professional development and current information on new initiatives.
 - **Defense Acquisition Portal.** <https://dap.dau.mil>. One-stop source for acquisition information and tools
 - **Directive-Type Memorandum (DTM) 09-027 - Implementation of the Weapon Systems Acquisition Reform Act of 2009.**
 - **Federal Acquisition Regulation (FAR), Defense Federal Acquisition Regulation Supplement (DFARS), and Procedures, Guidance, and Information (PGI).** <http://www.acquisition.gov/>

2. ACQUISITION PROCESS. The acquisition process is structured by DoDI 5000.02 into discrete phases separated by major decision points (called milestones or decision reviews) or a number of key activities to provide the basis for comprehensive management and informed decision making. The number of phases and decision points are tailored to meet the specific needs of individual programs. This is called the "Integrated Defense Acquisition, Technology, and Logistics Life Cycle Management System" and is illustrated on the front of this chart.

Acronym	Buyer	Contractor	Joint Interoperability Test Command
BES	Budget Estimate Submission	JITC	Joint Interoperability Test Command
DAES	Defense Acquisition Executive	IOE	Initial Operational Capability
DCMA	Defense Contract Management Agency	ITC	Initial Operational Test and Evaluation
DISA	Defense Information Systems Agency	OASD/NI	Office of the Assistant Secretary of Defense for Networks and Information Information
DOT&E	Director, Operational Test and Evaluation	PPBE	Planning, Programming, Budgeting, and Execution
DOTMLPF	Doctrine, Organization, Training, Material, Leadership and Education, Personnel, and Facilities	P-CORA	Post-Critical Design Review
EWMS	Earned Value Management System	P&M	Program Performance Measurement
FDI&E	Follow-On Operational Test and Evaluation	T&E	Test and Evaluation
JCIDS	Joint Capabilities Integration and Development System		

7. CONTRACTING.

Acquisition Plan. A formal written document reflecting the specific actions necessary to execute the approach established in the approved acquisition strategy and guiding contractor implementation of the plan. It is a DFARS Subpart 201.71. There is no DoD-level rule that precludes the PM from preparing a single document to satisfy both the requirements for an Acquisition Plan and an Acquisition System (see DAG, part 2.4).

Source Selection Plan (SSP). Explains the source selection process for a particular acquisition. Typically, this consists of two parts. The first part describes the organization and responsibilities of the source selection team. The second part identifies the evaluation criteria and detailed procedures for proposal evaluation.

A Draft Request for Proposals (RFP) and Prequalification Conference. Used to ensure that the requirements are understood by industry. Open and honest feedback is essential.

Request for Proposals (RFP). Used in negotiated acquisitions to communicate the government's requirements and to solicit proposals.

Requests for Information (RFI). May be used when the government does not presently intend to award a contract, but wants to obtain price, delivery, and other market information or capabilities for planning purposes. Responses to these notices are not offers and cannot be accepted by the government to form a binding contract. There is no required format for RFIs.

Contract Management. Is the process of systematically planning, organizing, executing, and controlling the mutually binding legal relationship obligating the seller to furnish supplies and/or services and the buyer to pay for them.

Contract. The formal written agreement between the government and industry. See Figure 5 for the characteristics of the most common contract types. Figure 6 illustrates the most likely contract type for each phase of the acquisition process.

Performance-Based Acquisition (PBA). An acquisition structured around the results to be achieved as opposed to the manner by which the work is to be performed.

Statement of Work; Statement of Objectives; Performance Work Statement; System Specification; Contract Data Requirement List. Documents contained in the solicitation to industry (RFP) that define contractual requirements:

- **Statement of Work (SOW)** details the work the contractor will perform and, when necessary, specifies how the work is to be performed.
- **Statement of Objectives (SO).** Performance-based broad objectives of the product or service. The SOO contains the broad objectives of the program and is usually one to two pages. The contractor is tasked in the RFP to provide a Performance Work Statement (PWS) or a SOW in response to the SOO.
- **Performance Work Statement (PWS)** A statement of work for performance-based acquisitions that describes the required results in clear, specific and objective terms with measurable outcomes.
- **System Specification** sets forth the technical performance requirements the system must achieve when the system is in operation.
- **Contract Data Requirement List (CDRL)** DoD Form 1423 is a requirement identified in the solicitation and imposed in a contract that lists contract data requirements that are specified for a specific acquisition.

Cost-Reimbursement Contracts. A category of contracts in which the government pays the cost (subject to specified limitations) and the contractor provides "best efforts." This type may provide for payment of a fee that may consist of an award fee, incentive fee, or fixed fee, or combinations of the three fee types. The government assumes most of the cost risk in this type of contract.

Engineering Change Proposal (ECP). A formal document used to make engineering changes to configuration management baselines. ECPs are implemented by contract modification(s).

Fixed-Price Contract. A category of contracts (e.g., Firm-Fixed-Price, Fixed-Price Incentive-Firm Target) in which the government pays a price that is subject to pre-defined terms and conditions and the contractor bears the cost risk for the service. This type may provide for payment of incentives or other sharing arrangements. The contractor bears most of the cost risk in this type of contract.

Figure 1. Requirements for Milestone/Decision Reviews

(See enclosure 4, DoD 5000.02)

Acquisition	M0	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20
Acquisition System Baseline ¹	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Acquisition Program Baseline ²	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Acquisition Strategy ³ (See Figure 2)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Acquisition Information Assurance Strategy (all IT and NIS) ⁴	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Acquisition Information Assurance Strategy (all IT and NIS) ⁴	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Alternate Life File T&E Plan (Agree w/Aviation for LFT&E) ⁵	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Analysis of Alternatives (AA) ^{6,7,8}	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
AA Study Guidance	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Beyond RP/REP Report ¹⁰ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benefit Analysis & Determination ⁹ (buried acquisitions)	X</																				