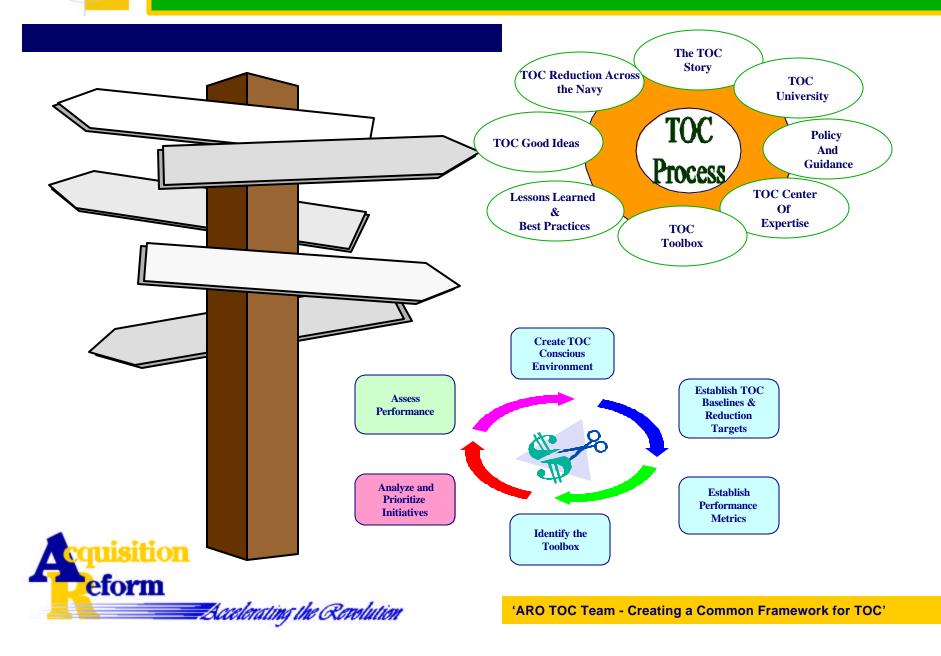


"Without a vision people perish"





Purpose of Briefing

- Provide information on the TOC Knowledge Share Space (TKSS) Initiative and the establishment of the TOC Community of Practice.
- Enlist your support in developing requirements for and making contributions to TKSS
- Make you aware of the need to gain access to the data, information, tools, Subject Matter Experts (SMEs), databases, web page(s), etc... (artifacts) under your cognizance







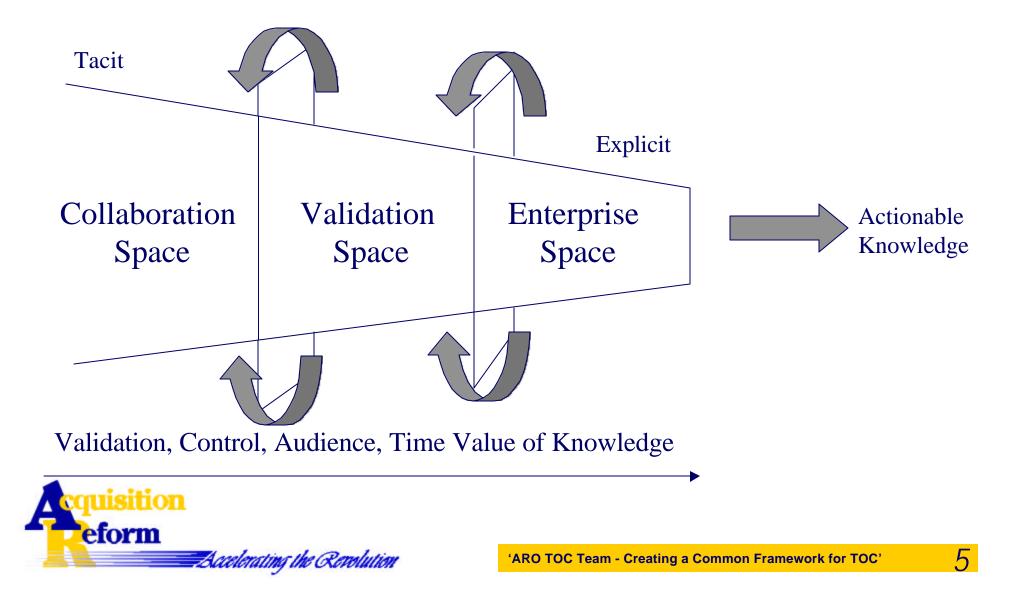
What is Knowledge

- Types Knowledge types include <u>tacit</u> in our heads, or <u>explicit</u> - documented in some way, spoken or written. Also, knowledge can be <u>structured</u> - such as in procedure manuals or courses, or <u>unstructured</u> - such as in email correspondence.
- Rules Knowledge is the validated, hierarchical network of procedural (know how to do something) and declarative (know something is true, possibly why) rules that have useful, predictive, and explanatory power for people.
- Levels Knowledge levels include: recall, comprehension, application, analysis, synthesis, and evaluation.

Accelerating the Revolution

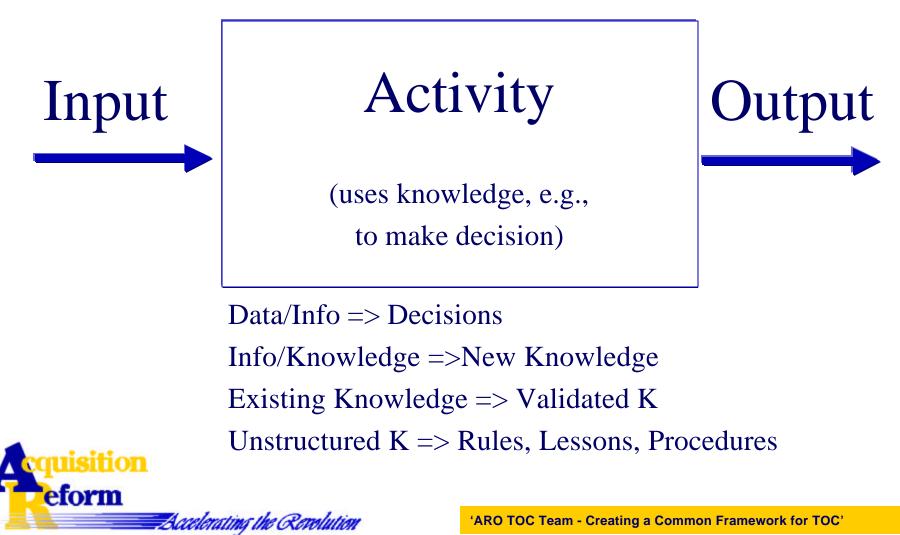
Δ







Another View of Knowledge





Basic Definition: Knowledge Management

"Handling, directing, governing, or controlling of natural knowledge processes (acquire/validate, produce, transfer/integrate K) within an organization in order to better achieve the goals and objectives of the organization." (KMCI)





Another Definition: Knowledge Management

- Knowledge Environment
 - A Knowledge Environment is an organization's (business) environment that enhances its capability to deliver on its mission (competitive advantage) by enabling it to build and leverage its intellectual capital.
- Knowledge Management
 - Knowledge management is an organized effort to build, operate, maintain, and proliferate a knowledge environment (Sources is CSC)





Knowledge Management

(the who, what, why, when, where and how)

- "KM is a comprehensive, full life-cycle methodology that:
 - Affects people, process, and technology (what)
 - Focuses on the natural knowledge processes performed by all (who) within an organization. (where)

And strives to:

• Efficiently provide the best knowledge to the right person at just the right time (how)

Q

• Meet their needs toward continuously (when) improving the effectiveness of the organization (why) at acceptable risk."





Basic Definition: Knowledge Community (Community of Practice)

"People with similar interests and issues sharing ideas, solutions and knowledge."(DSMC)

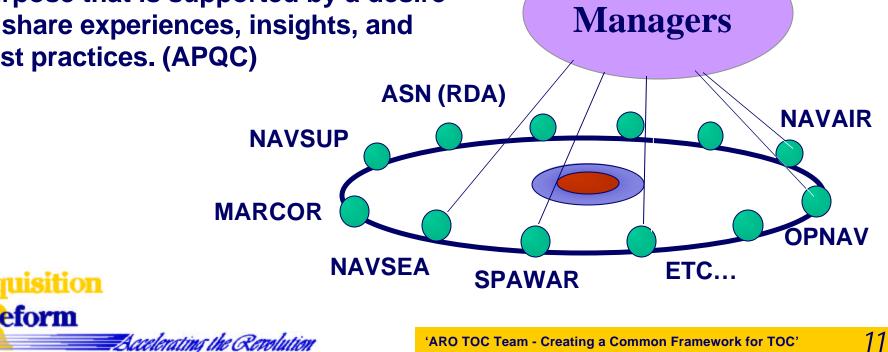




Another Definition: Knowledge Communities (Communities of Practice)

KM

Networks of people, small and large, who come together to share and to learn from one another face-to-face and virtually. These communities -- of practice, of interest, of learning -- are held together by a common goal and purpose that is supported by a desire to share experiences, insights, and best practices. (APQC)





Acquisition Workforce Roles & Application Scenarios

DoN ACQUISITION TEAM

Everyone's Job is TOC Reduction!

- Enterprise Managers and Leaders
- DoN Executive Leadership
- DoN Decision Authorities
- Program and Functional Managers
- Organizational "Staffs"
- Supervisors and Team leaders

Accelerating the Revolution

Coaches, Teachers, Trainers & Facilitators

NAVAIR

- Acquisition Workforce
- Warfighter

isition

eform

Facilities and Human Resource Infrastructure



Navy Corporate: SECNAV, CNO, ASN/RDA, ARO Six SYSCOMs: NAVSEA, NAVAIR, SPAWAR, MARCOM, NAVSUP, NAVFAC **Twelve PEOs 375 ACAT I-IV Programs Acquisition Workforce:** Echelon I, II & III; R&D Ctrs, Field Activities, Ship Yards, NARFs/DEPOTs Warfighter: Warfare Mission and Warfare Support **Industry Support Team: Projects & Services Industry Prime Item Builders & Key** Subs Industry IR&D & Industry Associations Academia

'ARO TOC Team - Creating a Common Framework for TOC'

NAVSEA







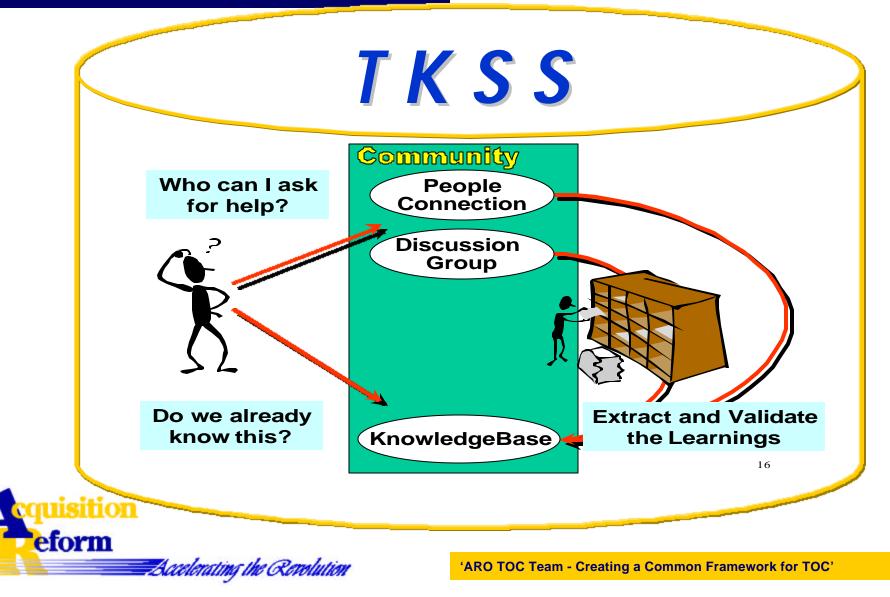
- Shrinking Size & Loss of Experience of Acquisition Workforce
- Emphasis on Reducing Total Ownership Costs
- Knowledge Management Technology Available
- Emphasis on Making Acquisition Workforce More Efficient and Effective
- Well Established DoD Priority & Focus Area
- Enables the establishment of the TOC Community of Practice







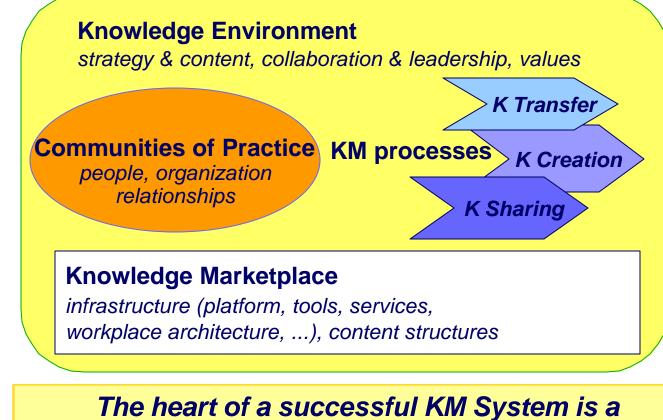






The Knowledge Community

The four components of a socio-technical KM system



Knowledge C Accelerating the Revolution

Knowledge Community (Community of Practice)

'ARO TOC Team - Creating a Common Framework for TOC'





TOC Knowledge Share Space (TKSS) Purpose

the Navy

Lessons Learned

&

Best Practices

- To create an interactive knowledge management tool for **DoN TOC/TOC-R decision**making, information TOC Reduction Across dissemination, and professional development which: TOC Good Ideas
 - overcomes time and space constraints in the workplace
 - raises worker proficiency
 - establishes reuse, creation, capture and update of knowledge in a realtime, non-intrusive manner
 - enables DoN to operate in a knowledge-centric manner

Accelerating the Revolution

isition

eform

The TOC Story

ЮС

Process

TOC Toolbox TOC

University

TOC Center

Of

Expertise

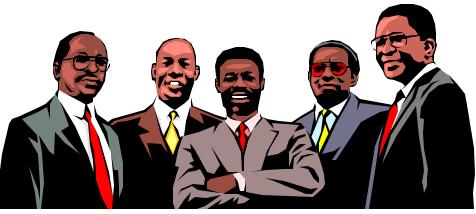
Policv

And

Guidance



- TKSS meets Functional Requirements Three Ways:
 - Serves as a Source of DoN TOC Knowledge
 - Provides means for Collaboration
 - Is a Portal to TOC and Cost Management information within Government and Industry









Source of Knowledge

- Navy policy and guidance on TOC, CAIV, etc..
- "Library" catalogue of:
 - Cost Analysis
 - ABCM
 - EVM
 - CAIV
 - Target Costing
 - Other Related Topics
- Link to related DON, DOD, and Industry sites







TKSS Functional Requirements

- Collaboration
 - Among TOC Knowledge Workers Navy-wide
 - Defined
 - Organizational Elements
 - Project Teams
 - Areas of Expertise
 - Undefined
 - Ad-hoc Discussions
 - Requests for Information









- Portal to Government and Industry Knowledge
 - User Defined Subscription Service
 - Industry and Government Knowledge:
 - Implementation and Management of TOC
 - Cost Management
 - CAIV Programs
 - Other











- Will:
 - Establish a DoN TOC Knowledge Community Integral to the Workplace
 - Link to Other Communities, the Global Grid, IDEs, Commercial and Governmental Inter-/Intra-Nets
 - Identify Expertise Within DoN TOC Sub Communities (e.g. -Financial. Technical, Etc.) To Facilitate the Creation of Other Knowledge Communities
 - Create a Collaborative Forum to Facilitate Building, Supporting and Sustaining the DoN TOC Knowledge Community
 - Create a TOC Knowledge Space/portal to Support DoN Users in the Performance of Their Mission
 - Create a TOC-R Teaching and Learning Module
 - Create a Process for Generating and Capturing Tacit, Explicit, Mandatory and Discretionary Knowledge



- Government
- Industry

'ARO TOC Team - Creating a Common Framework for TOC'





eform

TKSS ROI

- More Knowledgeable/Experienced TOC Community
- Quality Improvements
 - Processes (e.g. Learning, Training, etc.)
 - Products
- Substantially Reduced Cycle Times
- Substantial Increase in TOC Consciousness
 - Awareness

Becelerating the Revolution

- "Just-in-Time" Learning and Training
- Knowledge Transfer/Reuse
- Improved Integration/Collaboration/Learning within TOC Community
- Improved Integration/Collaboration/Learning Across
 Other Communities of Practice





eform

TKSS Collaborative and Learning Approach

- Initiate and Enable Collaboration Within the DoN TOC Knowledge Community From a Social, Psychological, Cultural, Political, Organizational and Technological Perspective.
- Create Community Enabling Framework & "Governing" Principles in the Following Key Knowledge Community Process Areas:
 - Establishment of Knowledge Communities
 - Trust and Communication: mentor, coach & peer
 - Knowledge Model

Accelerating the Revolution

- Knowledge Processes and Techniques: Best Practice
- Collaboration and Learning
- Enabling Technologies and Tools





TKSS Collaborative and Learning Approach (Cont.)

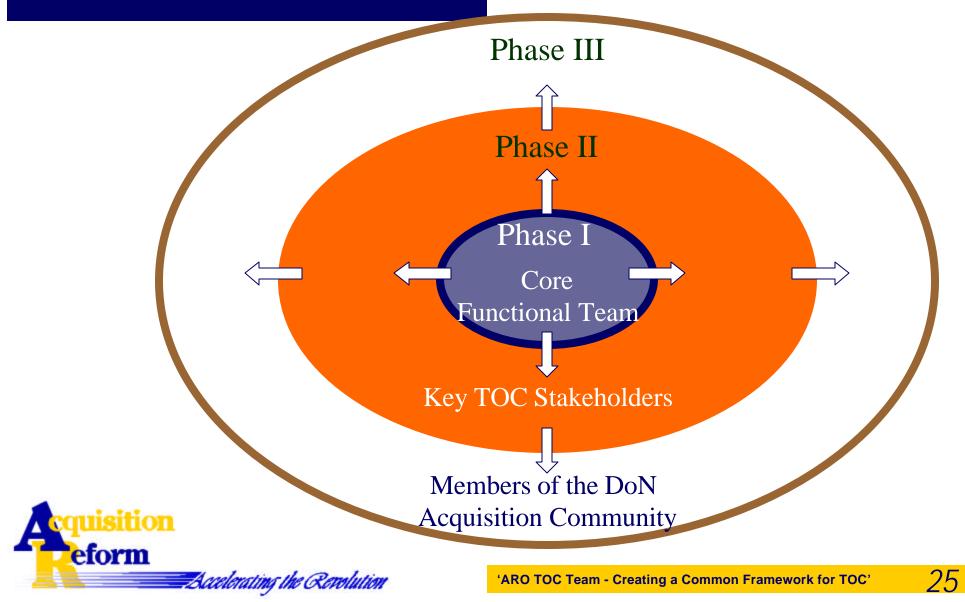
- Derived From:
 - DoN ARO Collaboration and Decision Support Capabilities
 - University of Arizona USS Coronado Success/Experience
 - DoN ABM Knowledge Implementation Guide
 - USACOM, PEO IT, etc
 - DESKBOOK, Turbo-Streamliner, Turbo SpecRight
 - DSMC
 - Air Force/Army Knowledge Management Initiatives
 - APQC KM Benchmark Study
 - DoN CIO KM Model
 - Arthur Andersen
 - Institute for Knowledge Management
 - KMCI



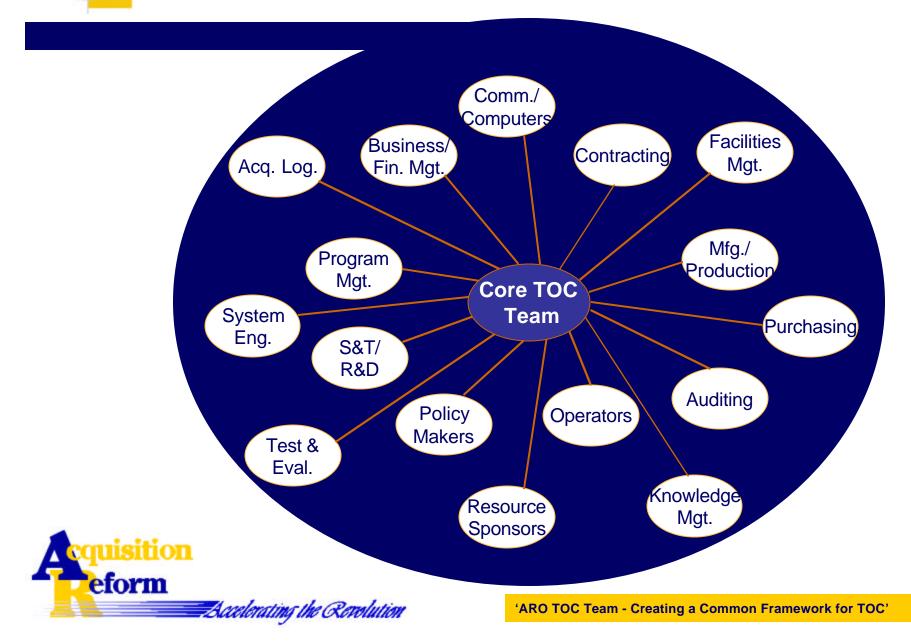




Phased Approach to TOC Knowledge Community Rollout



Phase I Team Composition

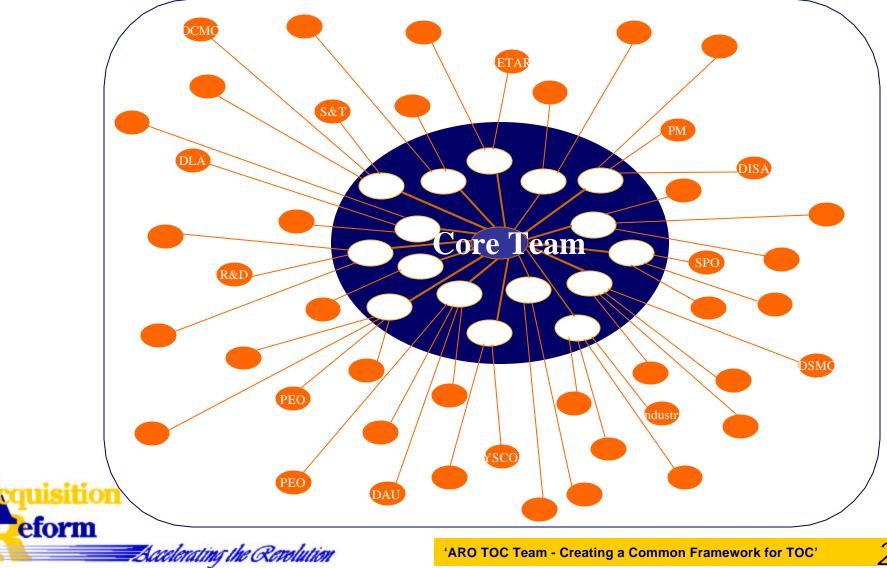


ACQUISITION

2000

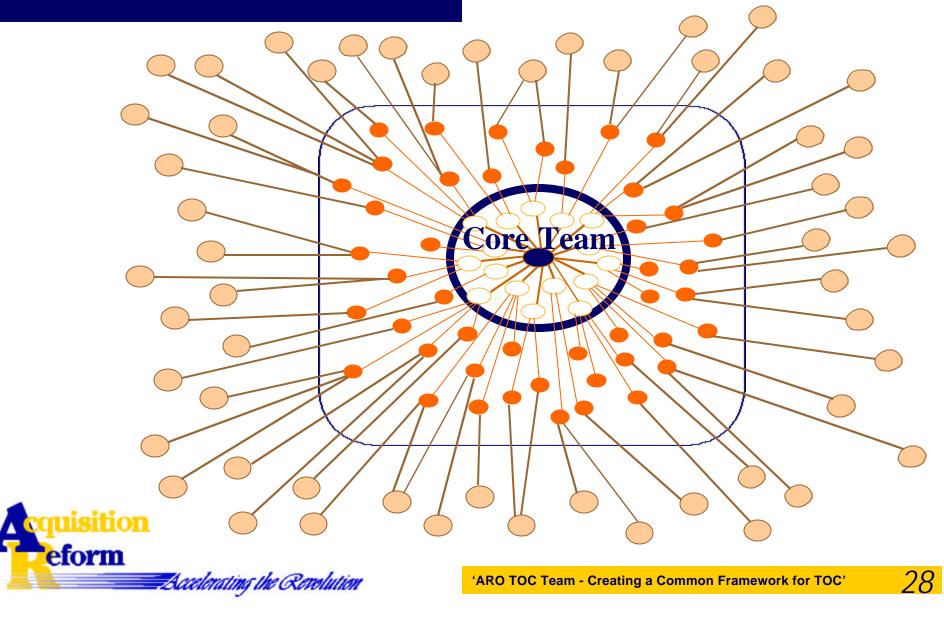


Phase II Expansion to Key <u>Acquisition TOC Stakeholders</u>





Phase III Expansion to DoN Acquisition Workforce





TKSS Proposed System Design

- Platform:
 - GOTS/COTS Framework & Solution
 - Web-based, Zero Client, Distributed System
- Develop:
 - Standard TKSS "Home Page"
 - Standard TKSS "Portal"
 - Baseline TKSS Collaborative Structure
 - Baseline of Functional Knowledge Input to System







- Develop (Cont):
 - Links to Other TOC Sites
 - Links to Other TOC Data Sources
- Test "Version 1" With Selected User Group
 - ASN(RDA)/ARO Staff
 - TOC/AKM Project Team
 - Selected Program Office(s)

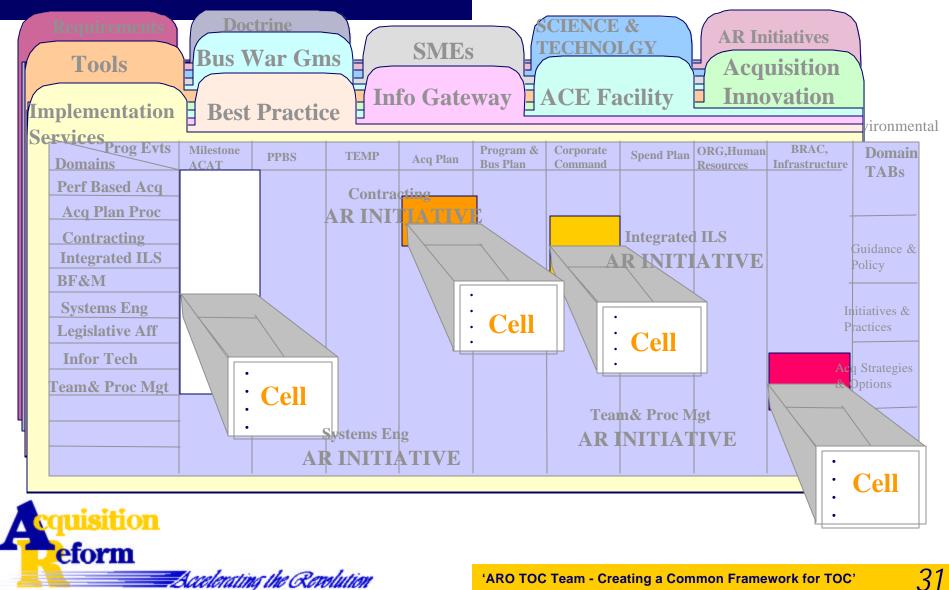






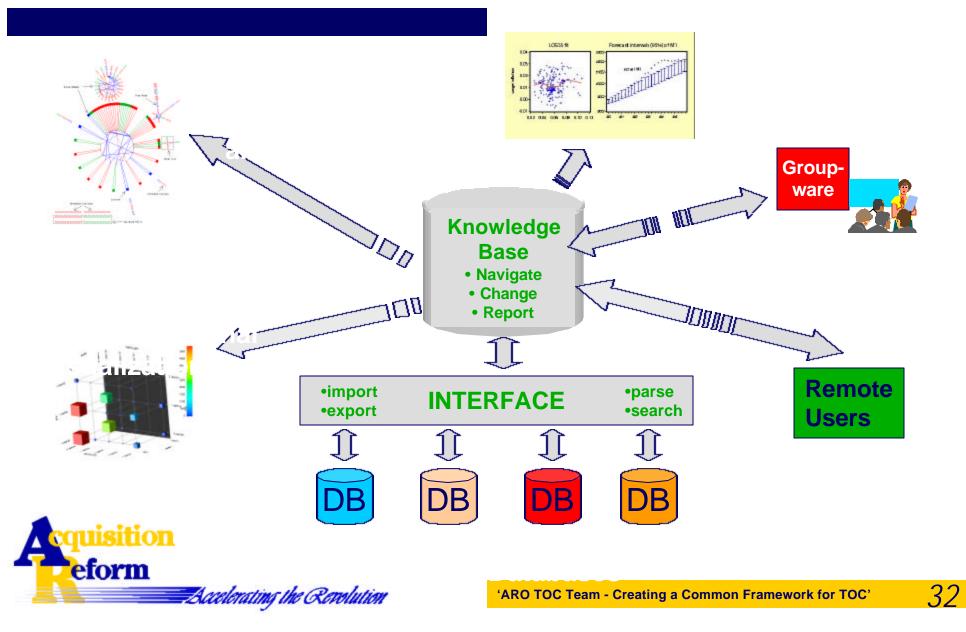


TKSS Backbone (Knowledge Space Concept)



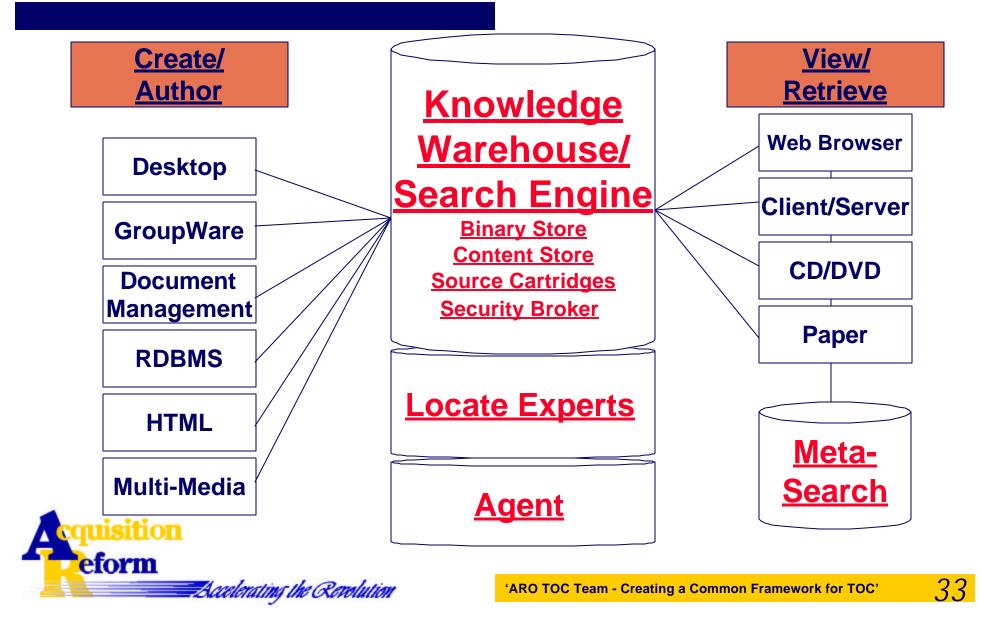


Workspace Technology





Physical Architecture





TOC Knowledge Share Space Portal Concept



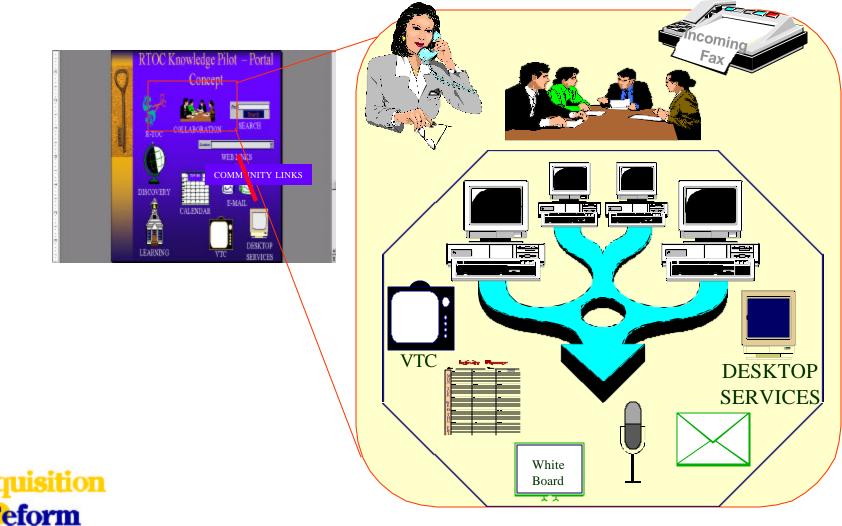


TOC Knowledge Share Space Portal Concept





TOC Knowledge Share Space Portal Concept



Accelerating the Revolution



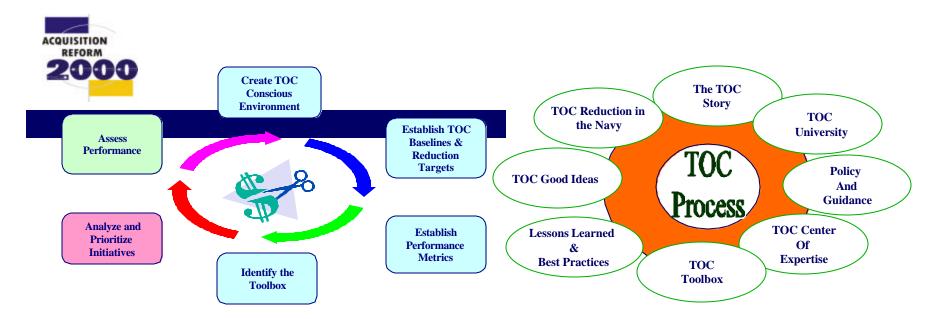


GO TO TKSS SCREENS



'ARO TOC Team - Creating a Common Framework for TOC'





For More Information Contact Mr. Willie Jones at (703) 602-5506 Extension 102 or wjones@ar.navy.mil



eform

Accelerating the Revolution

