NMCI

NAVY MARINE CORPS INTRANET

EDS

NMCI Services and Delivery

June 17, 2003

Bill Richard

EDS NMCI Enterprise Client Executive

NMCI will result in an enterprise-wide **managed service** that will provide the U.S. Navy and U.S. Marine Corps with secure, universal access to voice, video and data information exchange.

NMCI End State Objectives

- Replace diverse Navy networks with single enterprise-wide network

- Improved security across the enterprise

- Common look and feel of desktop

- Regular technical refreshment

- Implement Public Key Infrastructure (PKI) and records management

- Create shore IT infrastructure to allow conversion to e-business model of common corporate applications and data bases

- Affordable within existing DON budget

NMCI Scope

- Everything to ensure transmission of voice, video and data information

- Capital infrastructure improvements to meet quality of service requirements

- Infrastructure maintenance, training and operations

- Over 300 Navy and Marine Corps bases

- 360,000+ seats

NMCI Features

- End-to-end services and support

- Customized service offerings

- Robust catalog of additional offerings

- Electronic ordering

- Instant web access

- Timely hardware refresh and software upgrades

- Superior continuity of operations

- Training

- 24 x 7 help desk support

Services Included in Seat

- Security Services (firewalls, intrusion detection, encryption)
- CAC/PKI Implementation
- Wide Area Network Access (DISN, Commercial WAN, Internet)
- Infrastructure
- Joint and Industry Network Interoperability
- Enterprise Functions (Help Desk/Tech Support)
- Network Management Services

- Desktop Hardware
- Desktop Software (standard software suite)
- Organizational Messaging
- Training
- Directory Services
- E-mail
- Domain Name Service
- Local Area Networks
- Base Area Networks
- System Management Services

Standard set of services provided for interoperability and security

NMCI Team

- Department of the Navy

- EDS - overall service delivery

- Raytheon - information assurance

- WorldCom - wide area network

- WAM!NET - LAN/BAN/MAN

- General Dynamics – LAN/BAN/MAN

- Cisco - routers and switches

- Microsoft - software

- Dell – desktops, laptops, servers, and enterprise storage systems

- Dolch – desktop and portable deployables

- Dataline - voice services

- Small businesses - help desk, network operations, and field services

NMCI
NAVY MARINE CORPS INTRANET

Current State

- Number Sites Active – Approximately 300

- Seats AOR'ed – 210,000+

- Seats Cutover – 80,000+

- Dual Desktops (24% - Too High)

- Current Capacity

  - 3 Network Operations Centers

  - 2 Help Desks

  - 24 Server Farms (Unclass)

    - ≈ 263 Terabyte Capacity

  - 7 Server Farms (Class)

    - ≈ 41 Terabyte Capacity

NMCI End State Overview

- 4 Network Operations Centers
- 2 Call Centers
- 33 Server Farms (Unclass)
  - $\approx$ 782 Terabit Capacity
- 20 Server Farms (Class)
  - $\approx$ 168 Terabit Capacity
- 84 Micro Server Farms
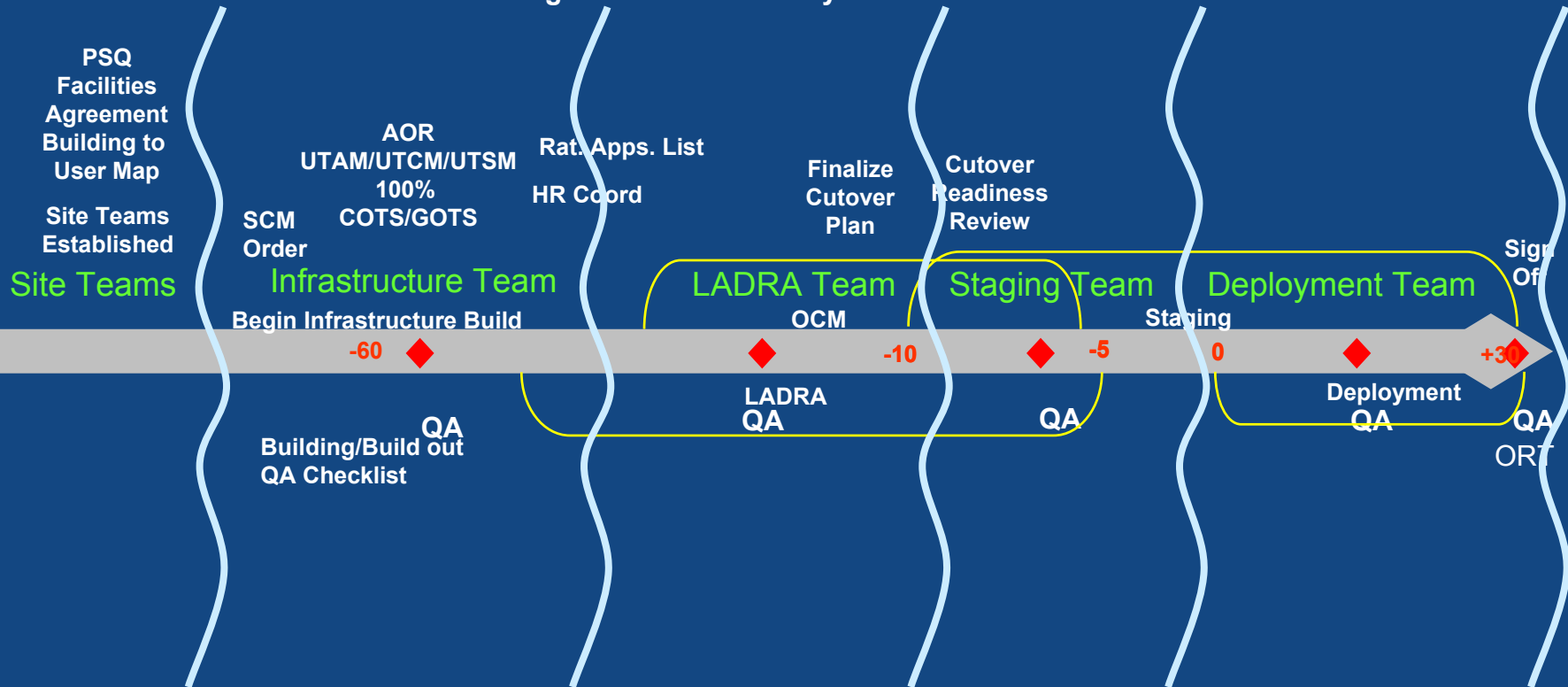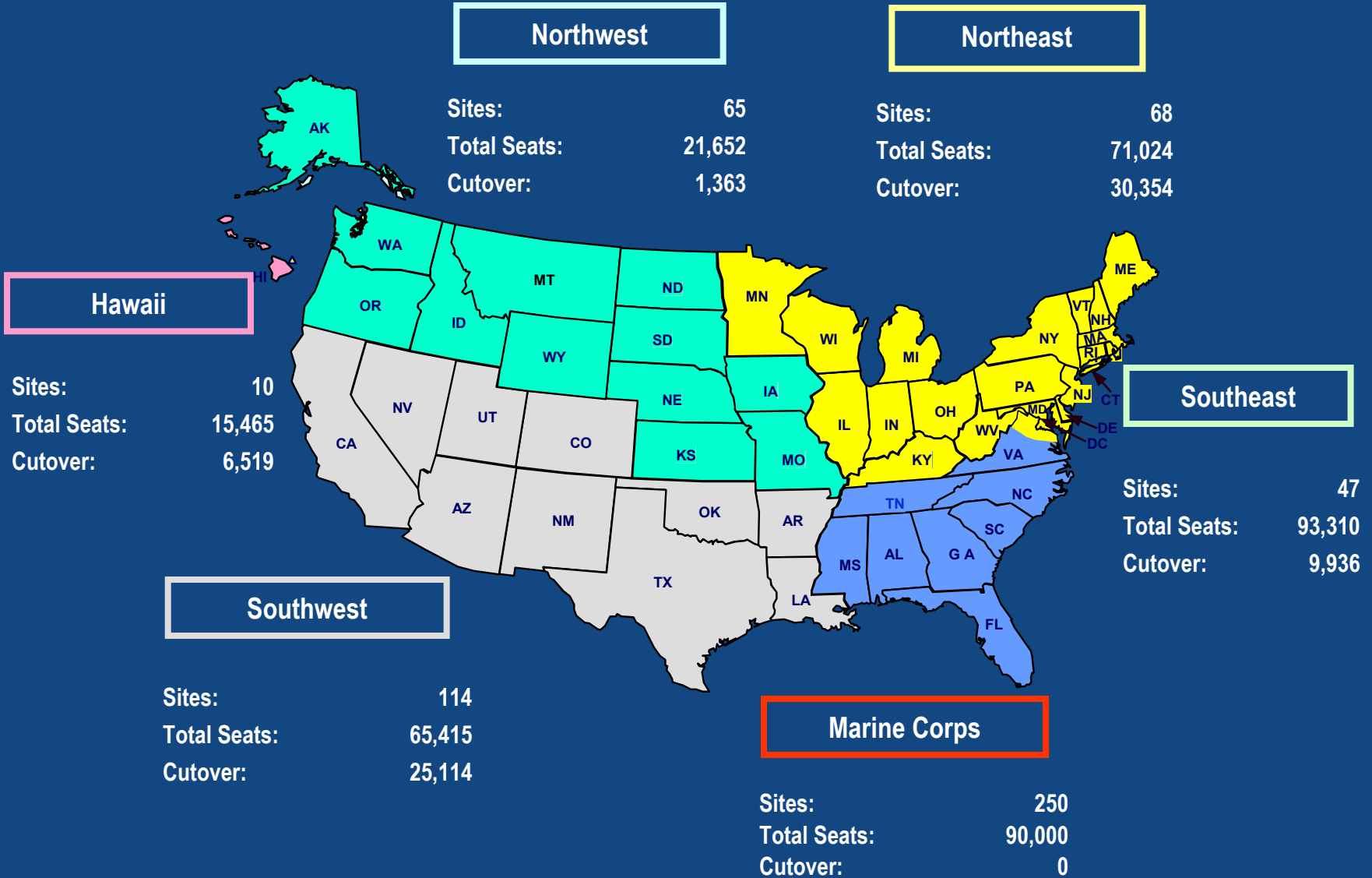- 1000+ Active Customer Sites
- 17 Overseas Sites

Notional Site Deployment Resources

Notional Site: 2,500 seats ordered, Low Building Count, Joint Teaming In Place

AOR Target: 90 Business Days ±30
Cutover Target: 30 Business Days ±5

PSQ
Facilities
Agreement
Building to
User Map

Site Teams
Established

Site Teams

SCM
Order

AOR
UTAM/UTCM/UTSM
100%
COTS/GOTS

Rat. Apps. List

HR Coord

Infrastructure Team

Begin Infrastructure Build

Finalize
Cutover
Plan

Cutover
Readiness
Review

LADRA Team   **Staging Team**   **Deployment Team**

OCM   **Staging**

Sign Off

| -75 | | -60 | | -10 | | -5 | | 0 | | +30 |

QA
Building/Build out
QA Checklist

LADRA
QA

QA

Deployment
QA

QA
ORT

Regional Positions

Northwest

Sites:	65
Total Seats:	21,652
Cutover:	1,363

Northeast

Sites:	68
Total Seats:	71,024
Cutover:	30,354

Hawaii

Sites:	10
Total Seats:	15,465
Cutover:	6,519

Southeast

Sites:	47
Total Seats:	93,310
Cutover:	9,936

Southwest

Sites:	114
Total Seats:	65,415
Cutover:	25,114

Marine Corps

Sites:	250
Total Seats:	90,000
Cutover:	0

Transition & Deployment Process
Command and Control

- Enterprise
  - Weekly meeting with Regional Leads (phone)
  - Schedule Reviews
  - Issues Review
  - Mitigation Review
- Region
  - Weekly meetings with Sites (phone)
  - Site Schedule Reviews
  - Deliverable Status
  - Issue Resolution
- Sites
  - Daily Team meetings
  - Site Schedule Review
  - Deliverable Status
  - Issue Resolution
  - Order & UTCM/UTAM Validation

# Enterprise Deployment Rollout Plan

- **Proactive Project Management**
  - Regional Management Structure
  - Open Schedules/PIV
  - Reviews and Mitigation
  - Together Teams must Anticipate Issues and Develop Mitigation Plans
- **Dynamic Scheduling (Large # of sites ready)**
  - Early Identification of "Ready" Sites through Joint Reviews
  - Based on "Readiness to Deploy" Schedule
  - Contingent on Favorable Readiness Review and Completion of Readiness Checklist
- **Regional Staging**
  - Build and Ship Backlog Based on Cutover Schedule

Deployment Success Factors

- **Site Availability**

    - 30 sites become available for sustained deployment between July and October 2003 (based on May 1 Navy AOR schedule).

    - Peak daily cutover plans project 1,000 cutovers per day.

- **Preparation**

    - More attention to project schedules by Regional Delivery and Transition Managers.

    - Site preparedness plans now begin three months prior to AOR.

- **Tools Improvement**

    - Staging and deployment times will be lowered and quality will increase through the use of Automation.

Deployment Resource Ramp Up
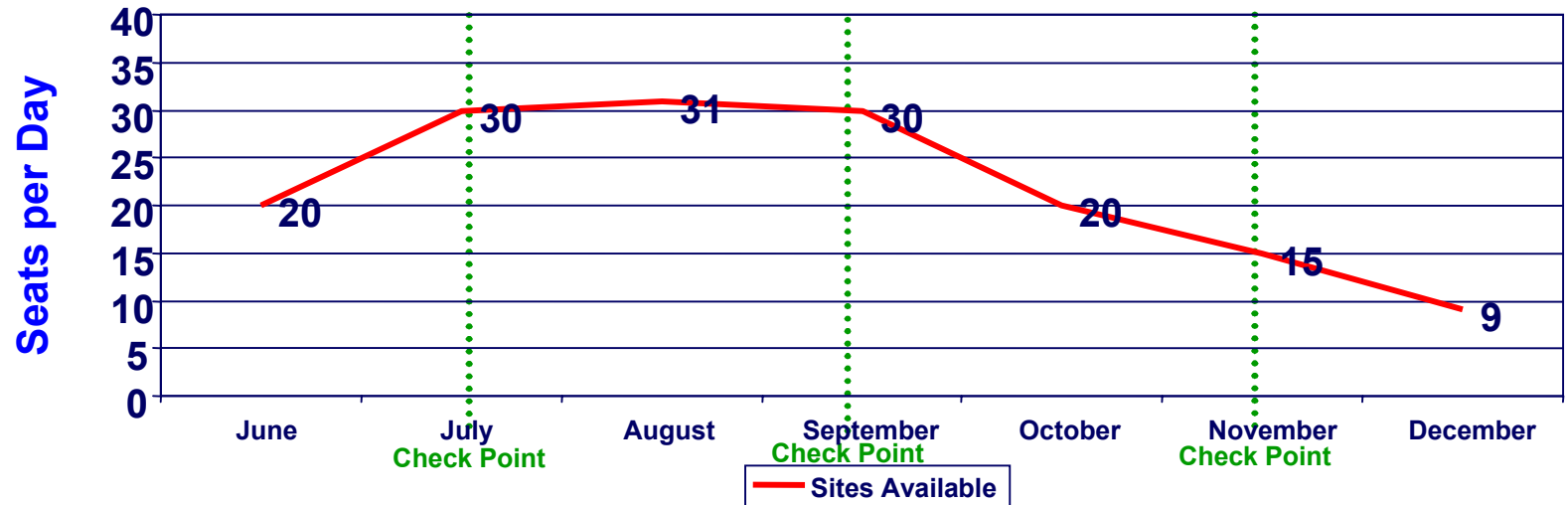
Resource ramp for a Rollout of 75 seats per day per site

Process Improvements

- More Pro-active Approach to Project Management and Command & Control

  - PMO/Transition CONOPS

  - Shared use of PIV and Schedules

  - Detailed Plan reviews with pro-active issue mitigation

- New Processes – Focus on

  - Regional staging

  - Introduction of more customer facing EDS deployment folks

  - Microsoft Installer (MSI) packaging of Legacy Applications

  - Cutover decision points based on project management – Go/No Go

Process Improvements -
Deployment Refinements

- **Standard Tracking Database**
  - Enterprise Deployment Seat Tracking System (EDSTS)
  - Provides enterprise-wide tracking of scheduling, staging, pre-deployment, deployment, and reporting activities

- **Gold Disk (standard base image)**
  - Quality updates
  - Delivers a higher percentage of standard base image
  - Image is provided to Dell for production at Dell Factory

Lessons Learned

- Marketing/Communications to Navy

- Managing expectations

- Legacy applications

- Security requirements

- Degree of customization

- Change management

Summary

- EDS is committed to partnership

- Success depends on leveraging partner and small business expertise

- NMCI is on track to provide outstanding customer service

- Network security is best in DoD

- Continued focus on productivity improvements

eds.com