

**1. General / Near Term Tasks**

- 1.1. Auto Installation of Secure NT Systems
- 1.2. Define/Update NT Segmentation and Certification Processes
- 1.3. Enterprise Rollout Procedures, Scripts and Disk Imaging Techniques
- 1.4. DII COE TWG Liaison Support
- 1.5. Network Appliance Usage

**2. DII COE Segment Installer**

- 2.1. Develop GOTS Installer Tool to Supplement COTS Installation Tools for DII COE Requirements
- 2.2. Develop DII COE Segment Installer Plug-in for Java Installer

**3. MS Logo® Program Tasks**

- 3.1. NTAG Input to Application Specifications

**4. DII COE Documentation Update**

- 4.1. Update I&RTS V4.x Compliance Checklist for Windows 2000
- 4.2. Develop I&RTS V4.x for Windows 2000 Chapter
- 4.3. How to Segment Guide V4.x
- 4.4. Controlling system colors, standard system size, color, and input settings for reduced light operations

**5. NT Kernel Extensions Evaluations**

- 5.1. ZAW for NT 4.0
- 5.2. Win32 API Extensions
- 5.3. Windows Terminal Server
- 5.4. Internet Information Server
- 5.5. Clustering API
- 5.6. DCOM/CORBA
- 5.7. MS Transaction Processor
- 5.8. MS Message Queue Server
- 5.9. Embedded and real-time Systems
- 5.10. Windows Scripting Host
- 5.11. TCP/IP Domain Naming
- 5.12. SMTP Domain Naming
- 5.13. Use of DHCP
- 5.14. Use of ActiveX Components
- 5.15. Secure Channel

**6. Windows 2000 Impact Evaluations**

- 6.1. Security Model
- 6.2. Active Directory
- 6.3. Windows Installer Service
- 6.4. MS Management Console
- 6.5. NT Architecture Recommendations
- 6.6. Windows 2000 Beta Lab Coordination
- 6.7. Tool Recommendations
- 6.8. Windows Management Instrumentation (WMI)
- 6.9. User Profile Management
- 6.10. Migration to Windows 2000

**NTAG Players:****5.1 Organizations: POC**

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Task #	Task Name	Team Lead	Team Members
1.	<b>General Tasks</b>		
1.1	Auto Installation of Secure NT Systems	L Sosnosky	Doug Morris
1.2	Define/Update DII COE Segmentation and Certification Process	B Blaisdell	M Abrahms, A Cox, E Krum, Doug Morris
1.3	Enterprise Rollout Procedures	Doug Morris	B Blaisdell, David Morris, L Sosnosky
1.4	DII COE TWG Liaison Support	B Blaisdell	B Frees, J Whittendon, E Krum
1.5	Network Appliance Integration	Doug Morris	J Kane, K Nelson, K Pagel

Task #	Task Name	Team Lead	Team Members
2.	<b>COTS Installer</b>		
2.1	Develop GOTS Installer Tool to Supplement COTS Installation Tools for DII COE Requirements	A Cox	B Blaisdell, J David, Doug Morris
2.2	COE Segment Installer Plug-ins	TBD	

Task #	Task Name	Team Lead	Team Members
3	<b>MS NT Logo Program Tasks</b>		
3.1	NTAG Input to Application Specifications	E Krum	B Blaisdell, B Whalen,

Task #	Task Name	Team Lead	Team Members
4.0	<b>Documentation</b>		
4.1	Update I&RTS V4.x Compliance Checklist for Windows 2000	E Krum	B Blaisdell, Doug Morris
4.2	Develop I&RTS V4.x for Windwos 2000 Chapter	E Krum	B Blaisdell, Doug Morris
4.3	How To Segment Guide V4.x	B Blaisdell	E Krum, Doug Morris
4.4	Develop Reduced Light/Night Operations for COE NT-based Platforms	J Wyllie	E Krum, K Fernandez

Task #	Task Name	Team Lead	Team Members
5.0	<b>NT Kernel Extensions</b>		
5.1	ZAW for NT4	Doug Morris	B Blaisdell, C Flynn
5.2	Win32 API Extensions	Doug Morris	B Blaisdell, T Strickland
5.3	Windows Terminal Server	Doug Morris	B Blaisdell, L Sosnosky

5.4	Internet Information Server	B Frees	B Blaisdell, E Krum, Doug Morris
5.5	Clustering API	Doug Morris	B Blaisdell
5.6	COM+ - CORBA	TBD	B Blaisdell, E. Hughes, Doug Morris
5.7	MS Transaction Processor	D Morris	A Cox, E Hughes, B Frees
5.8	MS Message Queue Server	B Frees for PM ILOGS	A Cox, Doug Morris, E Hughes,
5.9	Embedded Systems and Real Time	Doug Morris	B Blaisdell, A Cox,
5.10	Windows Scripting Host	Doug Morris	B Blaisdell, A Cox
5.11	TCP/IP Domain Naming	Capt Guevin	D Morris, E Krum
5.12	SMTP Domain Naming	Capt Guevin	D Morris, E Krum
5.13	DHCP	TBD	
5.14	ActiveX Components	TBD	
5.15	Secure Channel	TBD	

Task #	Task Name	Team Lead	Team Members
6.	<b>Windows 2000 Impacts</b>		
6.1	Security Model	B. Frees for PM ILOGS	L Lattaille, Doug Morris, L Sosnosky
6.2	Active Directory	B Frees for PM ILOGS	B Blaisdell, Doug Morris
6.3	Windows Installer Service	Doug Morris	B Blaisdell, A Cox, John David
6.4	MS Management Console	B Blaisdell	A Cox, Doug Morris, L Sosnosky, B Frees
6.5	Architecture Recommendations	Doug Morris	B Blaisdell, A Cox, , B Frees
6.6	Beta Lab Coordination	B Blaisdell	A Cox, B Frees, Doug Morris, L. Sosnosky, D Whittaker
6.7	Tool Recommendations	Doug Morris	B Blaisdell, A Cox, M. Funt,
6.8	Windows Management Instrumentation (WMI)	TBD	
6.9	User Profile Management	TBD	
6.10	Migration to Windows 2000	E Krum	

**NTAG 98 Task Plans and Timeline**

DII COE Timeline	1998												1999											
	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12
DII COE Release Dates	v 3.2				v 3.3				v 3.4				v 4.0				v 4.1							
NT Version Supported	NT v 4.0												Win2k											

NTAG Priority 1 Tasks	1998												1999											
	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12
Tasks 1.1, 1.2, 1.3	[Yellow bar]												[Yellow bar]											
Tasks 2.1, 2.2	[Yellow bar]												[Yellow bar]											
Task 3.1	[Yellow bar]												[Yellow bar]											
Task 5.1	[Yellow bar]												[Yellow bar]											

NTAG Priority 2 Tasks	1998												1999											
	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12
Task 1.4	[Yellow bar]												[Yellow bar]											
Task 1.5, 5.1	[Yellow bar]												[Yellow bar]											
Tasks 4.1, 4.2, 4.3	[Yellow bar]												[Yellow bar]											

NATG Priority 3 Tasks	1998												1999											
	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12
Tasks 3.6, 4.4, and 5.2 - 5.14	[Yellow bar]												[Yellow bar]											
Tasks 6.1 - 6.11	[Yellow bar]												[Yellow bar]											

## 1.0 General / Near Term Tasks

### 1.1 Auto Installation of Secure NT Systems

Task: Complete the development of recommendations on alternative mechanisms to permit automated installation of the DII COE Security guidance for NT platforms. Include in the investigation the development of scripts, evaluation of third party products and MS System Management Server. Brief the summary guidance to the NTAG. If directed, lead interaction with the DII COE ENG office to get DISA concurrence and publish results on NTAG pages.

Related Tasks: 1.5 Enterprise Rollout Procedures

Team Lead: Laura Sosnosky

Team Members: Bob Blaisdell, Doug Morris

Schedule: Priority 1

### 1.2 Define and Update NT Segmentation and Certification Process

Task: Develop recommendations on alternative processes for the certification of NT Segments for DII COE NT platforms. Include in the investigation all of the certification approaches discussed in the Logo White Paper (delivered to DISA in July 1997). Brief the summary guidance to the NTAG. If directed, lead interaction with the DII COE ENG office to get DISA concurrence and publish results on NTAG pages.

Related Tasks: 1.1 Interim Guidance, 2.1 COTS Installer Recommendations

Team Lead: Bob Blaisdell

Team Members: Marc Abrams, Andrew Cox, Eric Krum, Doug Morris

Schedule: Priority 2

### 1.3 Enterprise Rollout Procedures, Scripts, and Disk Imaging Techniques

Task: Develop Guidance and recommendations for NTAG consideration on the subject of rolling out and securing NT over the enterprise. This investigation should include the development of recommended scripts, evaluate the use of third party products, and Disk Imaging Techniques. Guidance is needed for standalone, mixed and, enterprise level installations. Team will brief summary guidance to NTAG. If directed, team will lead interaction with the DII COE ENG office to get DISA concurrence and publish results on NTAG pages.

Related Tasks: 1.3 Auto Installation of Secure NT

Team Lead: Doug Morris

Team Members: Bob Blaisdell, David Morris, Laura Sosnosky

Schedule: Priority 1

### 1.4 DII COE TWG Liaison Support

Task: Act as liaison for the NTAG with the other DII COE TWGs. Coordinate with the TWG chairs to provide inputs to the TWGs on NTAG activities and report

to the NTAG on significant TWG activities that may impact on NTAG work. Liaison will be responsible for travel and attendance to the assigned TWG and briefing information to the NTAG. Each liaison team member may cover two or three TWGs

Related Tasks: All TWG related efforts  
Team Lead: Bob Blaisdell  
Team Members: Bob Frees, John Whittendon, Eric Krum  
Schedule: Priority 1

### 1.5 Network Appliance Usage

Task: Team will lead the effort to investigate the use of Network Appliance devices for use in DII COE facilities. Recommendations will be made to NTAG and taken forward to the DII ENG office

Related Tasks:  
Team Lead: Doug Morris  
Team Members: John Kane, Kip Nelson, Karen Pagel  
Schedule: Priority 2

## 2 DII COE Segment Installer

### 2.1 Develop GOTS Installer Tool to Supplement COTS Installation Tools for DII COE Requirements

Task: Define, build and demonstrate a “DOD Commercial Installer tool. Team will collect all DII COE Installation and de-installation requirements for NT segments and design and build the tool based on the identified requirements. The team will coordinate the tool with the NTAG and NT segment development community to ensure complete coverage of requirements.

Related Tasks: 2.2 Develop DII COE Segment Installer Plug-in for Java Installer  
Team Lead: Andrew Cox  
Team Members: Bob Blaisdell, John David, Doug Morris  
Schedule: Priority 1

### 2.2 Develop DII COE Segment Installer Plug-in for Java Installer

Task: Define, build and demonstrate a plug-in to the “DOD Commercial Installer tool to allow commercial installation tools on UNIX COE platforms. Team will collect all DII COE Installation and de-installation requirements for UNIX segments and design and build the tool based on the identified requirements. The team will coordinate the tool with the UNIX segment development community to ensure complete coverage of requirements.

Related Tasks: 2.1 Develop GOTS Installer Tool to Supplement COTS Installation Tools for DII COE

Team Lead:  
Team Members:

Schedule: Priority 1

### 3 MS Logo® Program Tasks

#### 3.1 NTAG Inputs to Microsoft Application Specifications and Certification Program

Task: Team will develop recommendations and provide inputs to the Microsoft Logo Programs (Designed for Microsoft Windows NT and Windows 98, Application Specifications for Microsoft Windows 2000). The team will investigate the opportunities and support attendance at the Logo Program events and design reviews. The team will represent the DII COE technical positions to Microsoft on Logo Program issues. All recommended inputs to the Logo Program will be briefed to the NTAG and the team will be responsible for coordinating any required changes with the DII COE Engineering office. Documentation generated in this effort will be placed on the NTAG web pages for widest possible dissemination and comment.

Related Tasks: 1.2 Define/Update Segmentation Process

Team Lead: Eric Krum

Team Members: Doug Morris, Marc Abrams, Bob Blaisdell, Pat Arnold, BJ Whalen

Schedule: Priority 1

### 4.0 Update DII COE Documentation for NT

#### 4.1 I&RTS v4.x Compliance Checklist Update

Task: Team will investigate and make recommendations concerning the need to update the DII COE Compliance Checklist for Windows 2000 as it is contained in the I&RTS. The team will make recommendations as to how the Logo program specifications should be assigned to specific compliance levels and also how segment compliance should be evaluated with this information. All results of the investigation will be briefed to the NTAG and the team will be responsible for coordinating any required changes with the DII COE Engineering office. All documentation generated in this effort will be placed on the NTAG web pages for public evaluation.

Related Tasks: 1.4 Define/Update Segmentation Process,

Team Lead: Eric Krum

Team Members: Bob Blaisdell, Doug Morris

Schedule: Priority 2

#### 4.2 Integration and Run Time Specification (I&RTS) V4.x Windows 2000 Chapter

Task: Team will have the overall responsibility of working with DISA, CINC, Services and Agencies to identify changes necessary to the I&RTS to improve Windows platform operations, development requirements, and accommodate the incorporation of Windows 2000 and the DII Packager tool. The team will

be responsible for responsible for document preparation. Document status updates will be given to the NTAG on a regular basis.

Related Tasks: 4.1 Integration and Run Time Specification (I&RTS) V3.1, Task Sections 2, 3, 5 and 6

Team Lead: Eric Krum

Team Members: Bob Blaisdell, Charles Flynn, Doug Morris

Schedule: Priority 3

#### 4.3 How to Segment Guide V4.x

Task: Team will have the overall responsibility of working with DISA to identify changes necessary to the How to Segment Guide to accommodate the use of the incorporation of the MS Logo Program Application Specifications, Windows 2000 and use of the DII Packager tool. The team will be responsible for establishing a process with DISA to best incorporate NTAG comments by working with the DII COE contractors responsible for document preparation. Document status updates will be given to the NTAG on a regular basis.

Related Tasks: 4.2 How to Segment Guide V3.1, Task Sections 5 and 6

Team Lead: Bob Blaisdell

Team Members: Charles Flynn, Eric Krum, Doug Morris

Schedule: Priority 3

#### 4.4 Develop Reduced Light/Night Operations for COE NT-based Platforms

Task: Team will have the overall responsibility of developing the methodology, policies and procedures COE NT/Windows 2000 platforms will use to control system colors, standard system size, and input settings for platforms that must operate in reduced light or night operations. Develop system color schema, registry updates, and utilities necessary to implement required system level changes. Work with DISA to identify changes necessary to the DII User Interface Specification and kernel to accommodate the reduced light and night operations. Document status updates will be given to the NTAG on a regular basis.

Related Tasks: 1.4 Define/Update NT Segmentation Process

Team Lead: Jean Wyllie

Team Members: Eric Krum, Kathy Fernandez

Schedule: Priority 2

## 5 DII COE NT Kernel Extensions Evaluations

### 5.1 ZAW for NT 4.0

Task: Team will develop recommendations for the incorporation of MS Zero Administration Workstation [ZAW] Initiative concepts into the NT kernel. Scripts and policy files will be developed to demonstrate the ZAW concepts to the NTAG community. Draft facility configurations will be prepared that cover a range of facility types likely to be encountered in DOD facilities. The

draft configurations will be brief to the NTAG. With NTAG concurrence, the team will lead the effort to get DISA concurrence on their incorporation into COE guidance and then publish results on NTAG pages.

Related Tasks: 1.4 Define/Update NT Segmentation Process

Team Lead: Doug Morris

Team Members: Bob Blaisdell, Charles Flynn, Schedule: Priority 1

## 5.2 Win32 (Internet Explorer, Video Streaming, Collaborative Computing) Extensions for Windows NT and the Win32APIs

Task: Team will develop recommendations concerning the use and incorporation of the NetShow and NetMeeting applications and APIs into the DII COE NT kernel. The team will prepare recommendations on the use of these functions and will provide guidance for developer in the use of the associated APIs. The recommendations will be briefed to the NTAG and if called for, the team will lead the effort to get DISA concurrence on the recommendations and their incorporation into COE guidance documents.

Related Tasks: 1.4 Define/Update NT Segmentation Process, 5.1 Update I&RTS

Team Lead: Doug Morris

Team Members: Bob Blaisdell, Tim Strickland

Schedule: Priority 3

## 5.3 Windows Terminal Server

Task: Team will develop recommendations for the incorporation of MS Terminal Server Support from NT servers in the DII COE NT kernel. Draft configurations will be evaluated that cover a range of facility sizes likely to be encountered in the DOD. Native and third party client technology will also be evaluated. The team will prepare recommendations on server sizing, application setup, and client selection. The recommendations will be briefed to the NTAG and the team will lead the effort to get DISA concurrence on Terminal Server incorporation into COE guidance.

Related Tasks:

Team Lead: Doug Morris

Team Members: Bob Blaisdell, Laura Sosnosky

Schedule: Priority 2

## 5.4 Internet Information Server [IIS]

Task: Team will develop recommendations for the incorporation of MS Internet Information Server onto NT servers in the DII COE NT kernel. Draft configurations will be evaluated that cover a range of facility sizes likely to be encountered in the DOD. The team will prepare recommendations on the use of active server pages, ODBC, and Data Access Objects (DAO). Server sizing, application setup, and client selection will also be addressed in this investigation. The recommendations will be briefed to the NTAG and the

team will lead the effort to get DISA concurrence on IIS incorporation into COE guidance.

Related Tasks:

Team Lead: Bob Frees for PM ILOGS

Team Members: Bob Blaisdell, Eric Krum, Doug Morris

Schedule: Priority 3

## 5.5 Clustering API

Task: Team will develop recommendations for the incorporation of MS Wolf Pack clustering technology on NT Server systems in the DII COE NT kernel. Draft configurations will be evaluated that cover a range of facility sizes likely to be encountered in the DOD. The team will prepare recommendations on the use of NT Cluster systems and the situations in which the use of this technology can be best exploited. NT Server sizing, application software requirements, and hardware selection will also be addressed in this investigation. The recommendations will be briefed to the NTAG and the team will lead the effort to get DISA concurrence on NT Clustering technology incorporation into COE guidance.

Related Tasks: 5.7 MS Transaction Processor, 5.8 MS Message Queue Server

Team Lead: Doug Morris

Team Members: Bob Blaisdell, Bob Frees,

Schedule: Priority 3

## 5.6 COM+/CORBA

Task: Team will develop a series of reviews and white papers on the issues related to the use of MS's Component Object Model Technology in segments and applications making up the DII COE. Information will be prepared on the range of problems best addressed with this technology and the circumstances under which its use should not be considered. The team will also provide an assessment on the state of the "bridging" technology necessary to provide interoperability between COM object servers and CORBA based object brokers. The purpose of this tasking is to make the DII COE community at large more aware of the scope and maturity of the COM object environment and to work with the DC TWG in working solutions that meet all needs of DOE users. The team will prepare presentations and demonstrations on the use COM for the NTAG community. Any recommendations resulting from these efforts will be briefed to the NTAG and the team will lead the effort to get DISA concurrence on COM incorporation into COE guidance.

Related Tasks: 5.7 MS Transaction Processor, 5.8 MS Message Queue Server, and 5.14 Use of ActiveX Components

Team Lead:

Team Members: Bob Blaisdell, Eric Hughes, Doug Morris,

Schedule: Priority 3

### 5.7 MS Transaction Processor

Task: Team will develop recommendations for the incorporation of MS Transaction Processor technology on NT Server systems in the DII COE NT kernel. Draft configurations will be evaluated that cover a range of facility sizes likely to be encountered in the DOD. The team will prepare recommendations on the use of NT TP systems and the situations in which the use of this technology can be best exploited. NT Server sizing, application software requirements, and hardware selection will also be addressed in this investigation. The recommendations will be briefed to the NTAG and the team will lead the effort to get DISA concurrence on MS TP incorporation into COE guidance.

Related Tasks: 5.6 DCOM/CORBA, 5.8 MS Message Queue

Team Lead: Doug Morris

Team Members: Bob Frees, Andrew Cox, Eric Hughes, Doug Morris,

Schedule: Priority 3

### 5.8 MS Message Queue Server

Task: Team will develop recommendations for the incorporation of MS Message Queue technology on NT Server systems in the DII COE NT kernel. The team will prepare recommendations on the use of NT MQ systems and the situations in which the use of this technology can be best exploited. NT Server sizing, application software requirements, and hardware selection will also be addressed in this investigation. The recommendations will be briefed to the NTAG and the team will lead the effort to get DISA concurrence on MS MQ incorporation into COE guidance.

Related Tasks:

Team Lead: Bob Frees for PM ILOGS

Team Members: Andrew Cox, Eric Hughes, Doug Morris, Schedule: Priority 3

### 5.9 Embedded Systems and Real-Time

Task: Team will develop recommendations for the incorporation of MS Windows CE technology into new and migrating systems with embedded software system requirements. Draft configurations will be evaluated that cover a range of facility sizes likely to be encountered in the DOD. The team will prepare recommendations on the use of Windows CE systems and the situations in which the use of this technology can be best exploited. CE system sizing, application software requirements, and hardware selection will also be addressed in this investigation. The recommendations will be briefed to the NTAG and the team will lead the effort to get DISA concurrence on the possibility of including Windows CE as a new platform in the DII COE environment.

Related Tasks:

Team Lead: Doug Morris

Team Members: Bob Blaisdell, Andrew Cox, Schedule: Priority 3

#### 5.10 Windows Scripting Host

Task: Team will develop recommendations for the incorporation of MS Windows Scripting Host technology into new and migrating systems with scripting requirements. Draft configurations will be evaluated that cover a range of scripting options likely to be encountered in the DOD. The team will prepare recommendations on the use of Windows Scripting Host technology and the situations in which the use of this technology can be best exploited. These recommendations will be briefed to the NTAG and the team will lead the effort to get DISA concurrence.

Related Tasks:

Team Lead: Doug Morris

Team Members: Bob Blaisdell, Andrew Cox, and Eric Krum

Schedule: Priority 3

#### 5.11 TCP/IP Domain Naming

Task: Team will develop recommendations for the incorporation of TCP/IP domain naming requirements and operations into the NT-based COE. The team will prepare recommendations on the use of TCP/IP domain naming conventions and what domain naming standards should be followed. These recommendations will be briefed to the NTAG and the team will lead the effort to get DISA concurrence on incorporation of the TCP/IP domain naming recommendations into COE guidance

Related Tasks:

Team Lead: Capt. Paul Guevin

Team Members: Doug Morris, Eric Krum

Schedule: Priority 3

#### 5.12 SMTP Domain Naming

Task: Team will develop recommendations for the incorporation of SMTP domain naming requirements and operations into the NT-based COE. The team will prepare recommendations on the use of SMTP domain naming conventions and what domain naming standards should be followed, e.g. the Defense Messaging System. These recommendations will be briefed to the NTAG and the team will lead the effort to get DISA concurrence on incorporation of the SMTP domain naming recommendations into COE guidance

Related Tasks:

Team Lead: Capt. Paul Guevin

Team Members: Doug Morris, Eric Krum

Schedule: Priority 3

### 5.13 Use of DHCP

Task: Team will develop recommendations for the incorporation of Dynamic Host Configuration Protocol (DHCP) into the COE. Draft configurations will be evaluated that cover a range of facility sizes likely to be encountered in the DOD. The team will prepare recommendations on the use of DHCP and the situations in which the use of this technology can be best exploited for both Windows NT 4.0 and Windows 2000. DHCP integration with DNS, multicast address allocation, rogue DHCP server detection, active directory integration and DHCP management are to be addressed in this investigation. The recommendations will be briefed to the NTAG and the team will lead the effort to get DISA concurrence on the possibility of including DHCP in the DII COE environment.

Related Tasks: 5.11 TCP/IP Domain Naming

Team Lead:

Team Members:

Schedule: Priority 3

### 5.14 Use of ActiveX Components

Task: Team will develop recommendations for the incorporation of ActiveX technology into the COE. The team will prepare recommendations on the use of ActiveX components and the situations in which the use of this technology can be best exploited. ActiveX component integration, use of ActiveX components in mobile code, ActiveX component registration requirements and ActiveX management are to be addressed in this investigation. The recommendations will be briefed to the NTAG and the team will lead the effort to get DISA concurrence on the possibility of including DHCP in the DII COE environment.

Related Tasks: 5.6 COM+/CORBA

Team Lead:

Team Members:

Schedule: Priority 3

### 5.15 Secure Channel

Task: Team will develop recommendations for the incorporation of secure channel technology into the COE. The team will prepare recommendations on the use of the Point to Point Tunneling Protocol (PPTP) and the situations in which the use of this technology can be best exploited. The recommendations will be briefed to the NTAG and the team will lead the effort to get DISA concurrence on the possibility of including PPTP in the DII COE environment.

Related Tasks:

Team Lead: TBD

Team Members:

Schedule: Priority 3

## 6 Windows 2000 Impacts

### 6.1 Security Model

Task: Team will study the new security model that will be delivered with Windows 2000 which include such topics as Public Key Infrastructure (PKI), WIN32 Crypto API, IPSec, SMARTCARD API, Point to Point Tunneling Protocol (PPTP), Security Configuration Editor, Secure Channel, Authenticode and Keberos. Team will develop recommendations for incorporation strategies for these technologies into the DII COE. Emphasis of the team's work will be to understand these security features and then make presentations and demonstrations to the NTAG on the best use of the new security technologies in the heterogeneous environment of the DII COE. The team will prepare recommendations on the use of these technologies for COE platforms. The recommendations will be briefed to the NTAG and the team will lead the effort to get DISA concurrence on the use of Windows 2000 security features in the DII COE v4x timeframe.

Related Tasks:

Team Lead: Bob Frees for PM ILOGS

Team Members: Lori Lattaillade, Doug Morris, Laura Sosnosky

Schedule: Priority 3

#### 6.1.1 Public Key Infrastructures (PKI)

Task: Team will study the Public Key Infrastructure (PKI) features that will be delivered with Windows 2000, to include Authenticode (digital signing) and Certificate Server. The team will consider existing efforts to develop a DoD wide PKI and the use of Windows 2000 PKI features within this framework. Team will develop recommendations for incorporating Windows 2000 PKI features into the DII COE. Emphasis of the team's work will be to understand Windows 2000 PKI features and then make presentations and demonstrations to the NTAG on the best use of this technology. The recommendations will be briefed to the NTAG and the team will lead the effort to get DISA concurrence on the use of Windows 2000 PKI features in the DII COE v4 timeframe.

Related Tasks: 6.2 Windows 2000 Active Directory, 6.1.3 Virtual Private Networks (VPN), 6.1.4 SMARTCARD API

Team Lead: Bob Frees for PM ILOGS

Team Members:

Schedule: Priority 3

#### 6.1.2 Win32 Crypto API (CAPI)

Task: Team will study the Win32 Crypto API (CAPI) and its uses within the DII COE architecture. The emphasis of the work will be to study the transport

mechanisms and provider base for CAPI and how it can be used as part of the NT kernel for the DII COE. Team will develop recommendations for incorporating CAPI into the DII COE. The recommendations will be briefed to the NTAG and the team will lead the effort to get DISA concurrence on the use of CAPI features in the DII COE v4 timeframe.

Related Tasks:

Team Lead:

Team Members:

Schedule: Priority 3

#### 6.1.3 Virtual Private Networks (VPN)

**Task:** Team will study the VPN technologies that will be delivered with Windows 2000 to include IP Security (IPSec) and Point to Point Tunneling Protocol (PPTP). Emphasis of the team's work will be to understand Microsoft's IPsec and PPTP implementations and their interoperability with other IPsec and PPTP implementations that may be used in the DII COE. The team will prepare recommendations on the use of Windows 2000 VPN technologies for COE platforms. The recommendations will be briefed to the NTAG and the team will lead the effort to get DISA concurrence on the use of Windows 2000 VPN features in the DII COE v4 timeframe.

Related Tasks: 6.1.1 Public Key Infrastructure (PKI), 6.1.4 SMARTCARD API

Team Lead:

Team Members:

Schedule: Priority 3

#### 6.1.4 SMARTCARD API

**Task:** Team will study the SMARTCARD API that will be delivered with Windows 2000. Emphasis of the team's work will be to understand SMARTCARD API features and its interoperability with existing and planned Smart Card implementations in the DoD. The team will then make presentations and demonstrations to the NTAG on the best use of this technology in the heterogeneous environment of the DII COE. The team will prepare recommendations on the use of the SMARTCARD API for COE platforms. The recommendations will be briefed to the NTAG and the team will lead the effort to get DISA concurrence on the use of Windows 2000 SMARTCARD API in the DII COE v4 timeframe.

Related Tasks: 6.1.1 Public Key Infrastructure (PKI)

Team Lead:

Team Members:

Schedule: Priority 3

#### 6.1.5 Kerberos

**Task:** Team will study the Kerberos implementation that will be delivered with Windows 2000. Emphasis of the team's work will be to understand the

Windows 2000 Kerberos features, especially in the areas of single sign on and secure authentication. The team will then make presentations and demonstrations to the NTAG on the best use of Windows 2000 Kerberos in the heterogeneous environment of the DII COE. The team will prepare recommendations on the use of these technology and server requirements for COE platforms. The recommendations will be briefed to the NTAG and the team will lead the effort to get DISA concurrence on the use of Windows 2000 Kerberos features in the DII COE v4 timeframe.

Related Tasks:

Team Lead:

Team Members:

Schedule: Priority 3

## 6.2 Active Directory

**Task:** Team will study the new Active Directory capability that will be delivered with Windows 2000 and will develop recommendations for its incorporation into the DII COE. Emphasis of the team's work will be to understand the new directory features and then make presentations and demonstrations to the NTAG on the best use of the new technology in the heterogeneous environment of the DII COE. At a minimum the team will prepare recommendations on the use of Windows 2000's Active Directory Services and its ability to inter-operate with the LDAP features that are planned for Solaris and HP UX. The recommendations will be briefed to the NTAG and the team will lead the effort to get DISA concurrence on the use of Windows 2000 active directory features in the DII COE v4 timeframe.

Related Tasks:

Team Lead: Bob Frees for PM ILOGS

Team Members: Bob Blaisdell, Doug Morris

Schedule: Priority 3

## 6.3 Windows Installer Service

**Task:** Team will study the new Installer Service capability that will be delivered with Windows 2000 and will develop recommendations for its incorporation into the DII COE. Emphasis of the team's work will be to understand the setup support features and then make presentations and demonstrations to the NTAG on the best use of the new technology in the heterogeneous environment of the DII COE. At a minimum the team will prepare recommendations on the use of Windows 2000 Installer Service functions and prepare changes for the I&RTS to aid segment developers in their effort to use Windows 2000. The recommendations will be briefed to the NTAG and the team will lead the effort to get DISA concurrence on the use of Windows 2000 setup features in the DII COE v4 timeframe.

Related Tasks: 4.1 ZAW for NT 4.0

Team Lead: Doug Morris  
Team Members: Bob Blaisdell, Andrew Cox, John David,  
Schedule: Priority 3

#### 6.4 MS Management Console

Task: Team will study the new Microsoft Management Console capability that will be delivered with Windows 2000 and will develop recommendations for its incorporation into the DII COE. Emphasis of the team's work will be to understand the MMC concepts and features and then make presentations and demonstrations to the NTAG on the best use of the new technology in the heterogeneous environment of the DII COE. At a minimum the team will prepare recommendations on the use of Windows 2000's MMC functions and selected console plug-ins from third party developers. The recommendations will be briefed to the NTAG and the team will lead the effort to get DISA concurrence on the use of MMC capabilities in the DII COE v4 timeframe.

Related Tasks:

Team Lead: Bob Blaisdell  
Team Members: Andrew Cox, Doug Morris, Laura Sosnosky, Bob Frees  
Schedule: Priority 3

#### 6.5 NT Architecture Recommendations for Windows 2000

Task: Team will study the "over-all impact of the Windows 2000 release and will develop recommendations for its incorporation into the DII COE. Emphasis of the team's work will be to understand the Windows 2000 release as a system and its impact on DoD systems at the Enterprise level. The team will make presentations and demonstrations to the NTAG on the best use of the new technology in the heterogeneous environment of the DII COE. At a minimum the team will prepare recommendations on the use of Windows 2000's new security domain structure and evaluate the impact of its use both with existing NT Domains and with the rest of the DII COE. The recommendations will be briefed to the NTAG and the team will lead the effort to get DISA concurrence in the DII COE v4 timeframe.

Related Tasks:

Team Lead: Doug Morris  
Team Members: Bob Blaisdell, Andrew Cox, E Krum, and Bob Frees  
Schedule: Priority 3

#### 6.6 Windows 2000 Beta Lab Coordination

Task: Team will work to coordinate the NT beta evaluation efforts that are going on at many government facilities worldwide. The purpose of this task will be to generate an Windows 2000 "lessons-learned" database – with which all DOD communities can interact and contribute. The team will make presentations and demonstrations to the NTAG summarizing the lessons learned at the various facilities. The recommendations will be briefed to the NTAG and the

team will lead the effort to get DISA concurrence on the use of Windows 2000 setup features in the DII COE v4 timeframe.

**Related Tasks:**

**Team Lead:** Bob Blaisdell

**Team Members:** Andrew Cox, Bob Frees, Doug Morris,  
Laura Sosnosky, Dane Whittaker

**Schedule:** Priority 3

### 6.7 Tool Recommendations

**Task:** Team will investigate development environment tools that will include, as a minimum, Visual Basic, Visual C++, NutCracker, OpentNT, Visual Java, Power Builder, Oracle 2000, and Libraries (OCX, Active X, etc.) to provide guidance to government facilities worldwide. The purpose of this task will be to generate a Tools “lessons-learned” database – with which all DOD communities can interact and contribute. The team will make presentations and demonstrations to the NTAG summarizing the lessons learned at the various facilities. The recommendations will be briefed to the NTAG and the team will lead the effort to get DISA concurrence.

**Related Tasks:**

**Team Lead:** Doug Morris

**Team Members:** Bob Blaisdell, Andrew Cox, Mark Funt

**Schedule:** Priority 3

### 6.8 Windows Management Instrumentation (WMI)

**Task:** Team will study Windows Management Instrumentation capability and will develop recommendations for its incorporation into the DII COE. Emphasis of the team’s work will be to understand the WMI concepts and features and then make presentations and demonstrations to the NTAG on the best use of the new technology in the heterogeneous environment of the DII COE. The recommendations will be briefed to the NTAG and the team will lead the effort to get DISA concurrence on the use of WMI capabilities in the DII COE v4 timeframe.

**Related Tasks:**

**Team Lead:** TBD

**Team Members:**

**Schedule:** Priority 3

### 6.9 User Profile Management

**Task:** Team will study user profile management capabilities in Windows 2000 and will develop recommendations for its incorporation into the DII COE. Emphasis of the team’s work will be to understand the use of profiles and use of System Policy Editor Template (.adm) file concepts and features and then make presentations, demonstrations, and standard COE .adm templates to the NTAG on the best use of the technology in the DII COE. The

recommendations will be briefed to the NTAG and the team will lead the effort to get DISA concurrence on the use of WMI capabilities in the DII COE v4 timeframe.

Related Tasks:

Team Lead: TBD

Team Members:

Schedule: Priority 3

#### 6.10 Migration to Windows 2000

Task: Team will investigate the requirements of migrating COE 3x and 4x segments to Windows 2000 based COE. The team will make presentations and demonstrations to the NTAG summarizing the lessons learned at the various facilities. The recommendations will be briefed to the NTAG and the team will lead the effort to get DISA concurrence.

Related Tasks:

Team Lead: TBD

Team Members:

Schedule: Priority 3