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~~S-E-C-R-E-T~~

ROUTING AND RECORD SHEET

SUBJECT: (Optional)

ISB Meeting Minutes - 7 July 1988 (U)

25X1

FROM:

SA/EXDIR
7E12 HQS

EXTENSION

NO. ER 2784-88

DATE 8 July 1988

TO: (Officer designation, room number, and building)	DATE RECEIVED	DATE FORWARDED	OFFICER'S INITIALS	COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)
1. ER (File B-209-IR) 7E12 HQS				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				

DCI EXEC REG

B-209-IR

FORM 1-79 **610** USE PREVIOUS EDITIONS

~~S-E-C-R-E-T~~

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ER 2784-88
8 July 1988

MEMORANDUM FOR: Information Systems Board

25X1 FROM: [redacted]
Special Assistant to the Executive Director

25X1 SUBJECT: ISB Meeting Minutes - 7 July 1988 [redacted]

25X1 1. [redacted] Deputy Chief of Operations and Engineering Group within the National Photographic Interpretation Center, described the DS&T's approach to identify a follow-on for the Wang Alliance. The Director of Information Technology
25X1 discussed migration alternatives for Wang Alliances. [redacted]

2. At last November's offsite meeting, the impending obsolescence of the Agency's Wang Alliances was viewed with grave concern. Subsequent actions by Wang Laboratories appear to have extended the longevity of the Wang Alliance well into the next decade. OIT recommends to its customers that:

-- If the Alliance fully meets current needs, <u>don't change</u>.

-- If the Alliance meets functional needs, but performance is a problem or PC support is required, <u>upgrade to a Turbo Alliance</u>.

-- If the Alliance meets all needs, but some mainframe connections are needed, <u>connect the Alliance to a VS, and the VS to a mainframe</u>.

-- If the customer needs to improve performance and capabilities, or support substantial mainframe connections, <u>convert to a VS</u>.

The DS&T and DO both anticipate migrating to an follow-on system beginning around 1992. The DO effort is part of the Information Management Staff's DOLPHIN program. The DS&T would prefer to have OIT take the lead in procuring an Agency-wide successor to
25X1 the Alliance. [redacted]

25X1

This document is unclassified when separated from the attachments.

[redacted]

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SUBJECT: ISB Meeting Minutes - 7 July 1988

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2. [redacted] Deputy Director of Communications, proposed that management responsibilities for information systems in the foreign field be reviewed. He suggested the creation of an interdisciplinary "program office." The Chief of Information Management Staff described ongoing and planned automation programs in the field. He also reviewed the policies guiding the deployment of automated systems to the field. The Director of Security briefly described an effort underway to take a broad look at support to the field. [redacted]

25X1

25X1 [redacted]

Attachments
Wang Alliance Follow-on Strategy (DS&T)
Wang Migration Strategies (OIT)
Foreign Field Information Systems OC)
Information Systems in the Field (IMS)
Policy Statement - ADP in the Foreign Field (OC)

25X1

DCI/EXDIR [redacted] (8 Jul 88)

Distribution:
Orig - Each ISB member
1 - ER
1 - ISB File

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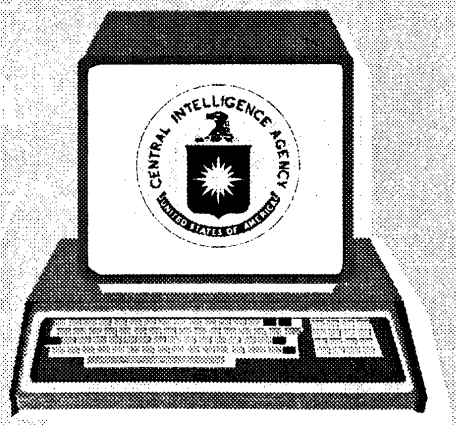
DS&T
Wang Alliance
Follow-on
Strategy



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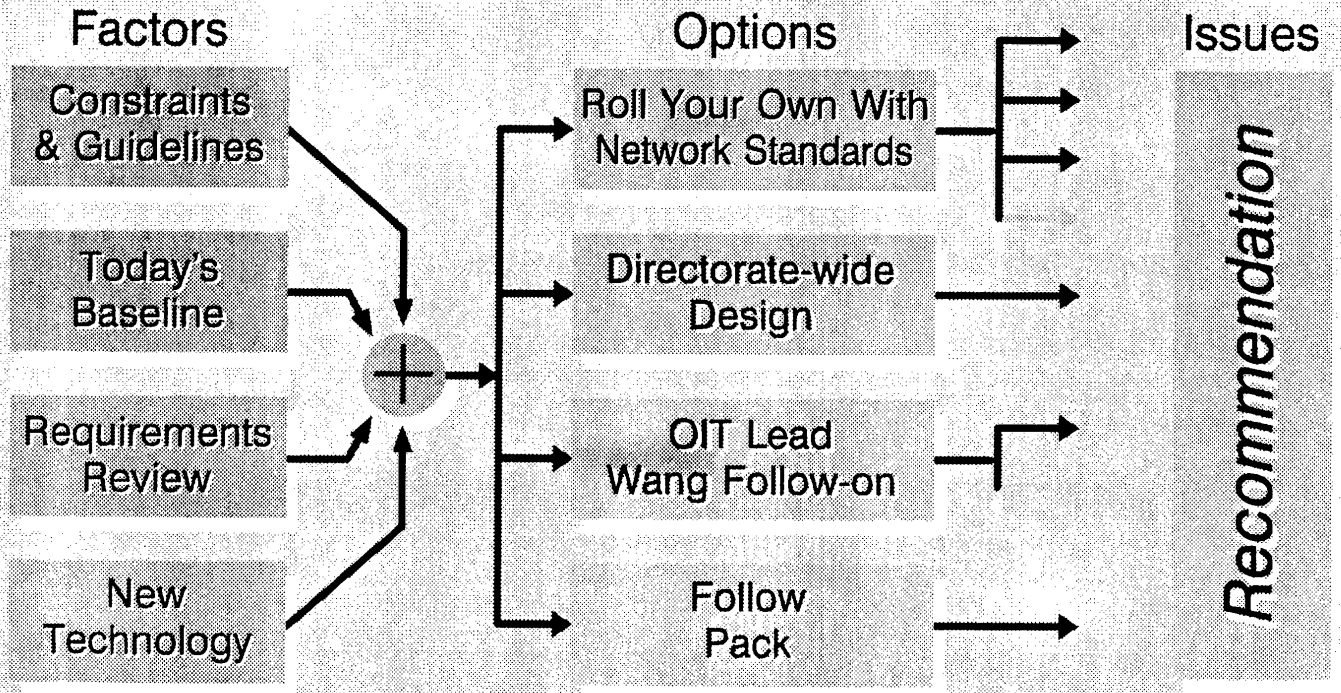
DS&T Wang Alliance Follow-on Strategy



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Constraints and Guidelines

- Agency ADP policy
- DS&T ADP policy
- DS&T Goals
- DS&T information systems end state
- Installed base
- OIT interface standards
- Funding priorities

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Information Technology Policy of the CIA

1988

- Workstation for everyone
- Enforced security standards and rules
- Creative environment tempered by corporate requirements
- "Federal system" -
  - Corporate services centralized
  - Customer-specific services decentralized
- Integrated network with centrally enforced standards
- Systematic introduction of advanced technology
- Information technology career management
- Develop a balanced program of investment

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DS&T ADP Strategic Planning
1987
Policy

The DS&T information processing architecture shall consist of workable interfaces to the OIT-supported central facilities of the Agency and departmental hardware and software systems managed by our offices.

All DS&T information-processing systems shall be capable of supporting access through the ADP interfaces standards endorsed by the DS&T. Thus there shall be no technically inaccessible information-processing systems within the directorate.

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DS&T ADP Strategic Planning

1987

Goals

- Maximum capability through a single terminal
- Document-level exchange throughout DS&T
- Multilevel security access guidelines

Emphasize off-the-shelf ADP hardware and software

Technology studies and assessments

Educate DS&T managers on standards

Update strategic plan annually

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DS&T Strategic ADP Plan
1988

Information systems end state for the DS&T

All DS&T employees requiring a work station will have one which will provide the maximum of ADP capability to support their mission.

Any two DS&T employees will be able to exchange information via an electronic network including but not limited to mail and documents.

DS&T employees who conduct their business via the OIT/OC cable system will have the ability both to receive and generate cable traffic in softcopy.

DS&T managed electronic networks will include connections to secure contractor facilities and will provide data services sufficient to drastically reduce the reliance on the Agency courier system.

DS&T employees will have access to all automated corporate administrative support systems required to do their job.

Analysts, Agency wide, will have the *capability* to access the data contained in DS&T managed information system.

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Today's Baseline

- IBM 370
- Wang Alliance
- Wang VS
- UNISYS
- DEC VAX
- IBX
- PC AT (DOS)
- Mac
- Sun (UNIX)

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Requirements Review

- Must be able to support a multiyear transition period
- Must maintain integrity of DS&T E-mail system
- Functionality gains must outweigh losses
- Emphasis on training, security, and O&M
- Both corporate and departmental access must be addressed

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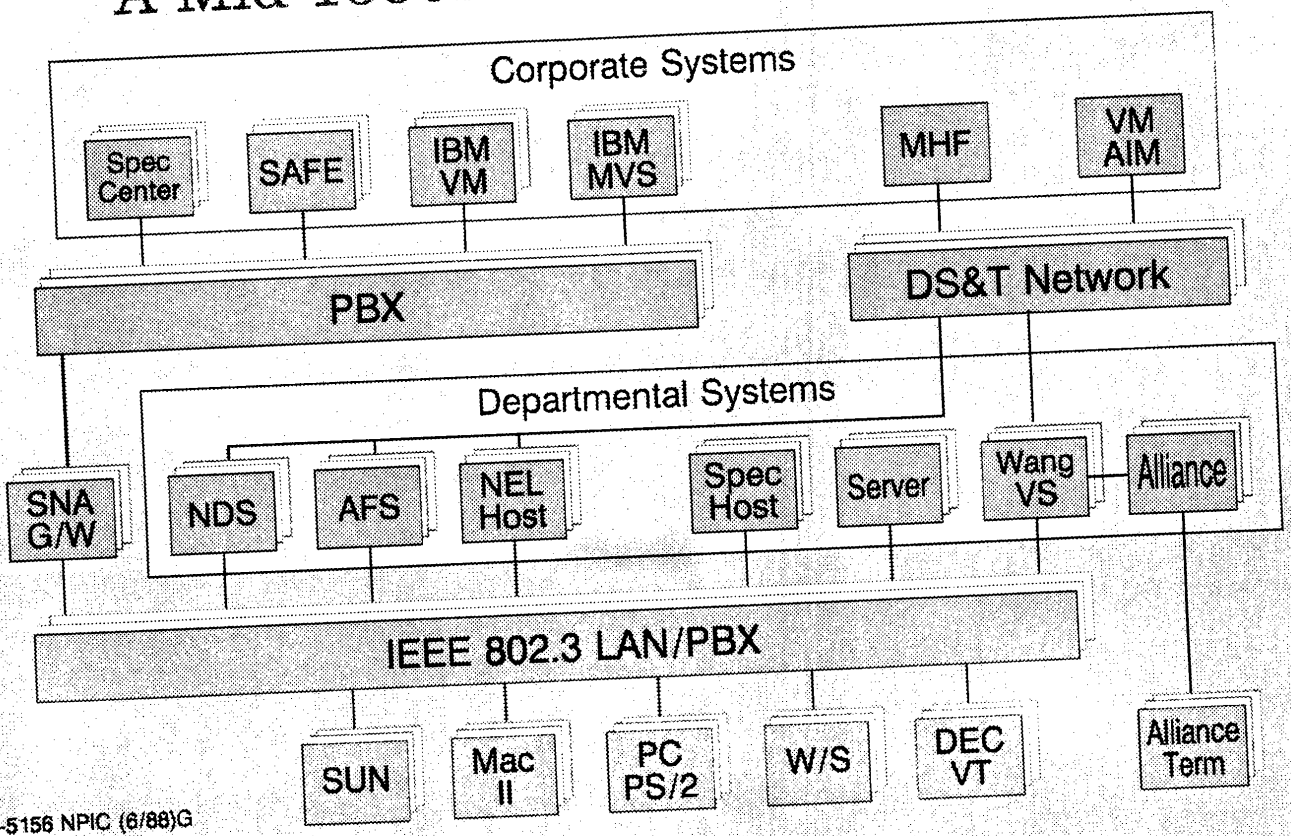
A Mid-1990s ADP Target End State



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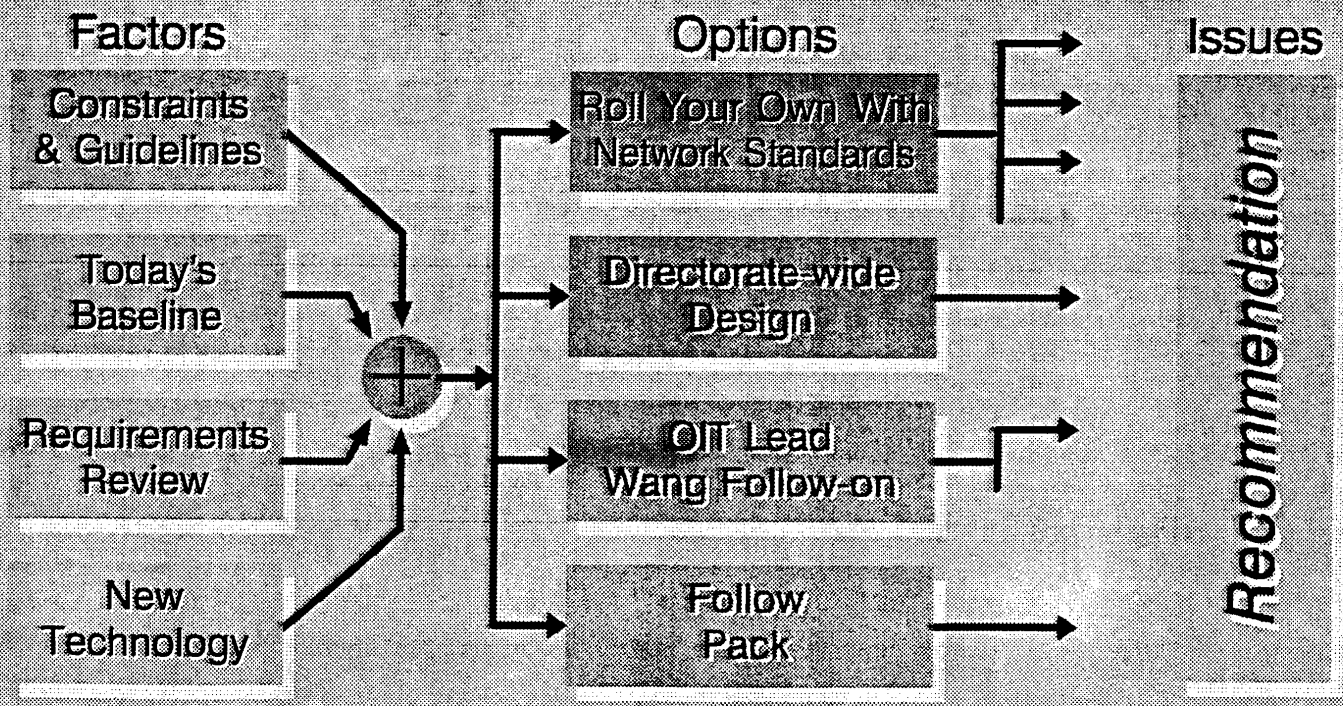
DS&T Wang Alliance Follow-on Strategy



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Issues

- Option selection
- Timing
- Testbeds/Prototypes
- DA and OIT applications
- Access to corporate systems
- Planning

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Recommendation

OIT lead Wang Alliance follow-on study with participation from the DS&T

1988	Strategy definition
1989	Requirements review
1990	Program establishment Prototype development
1992	Begin procurement

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WANG MIGRATION STRATEGIES

BRIEFING TO THE ISB

JULY 7, 1988

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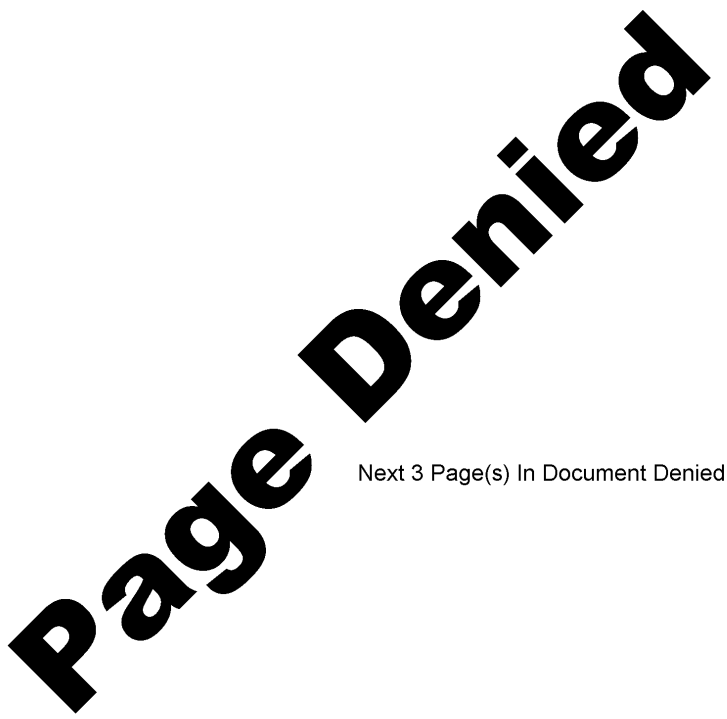

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LIFETIME OF WANG ALLIANCES

Alliance equipment is reliable

Wang has not discontinued Alliance, claims to to have no plans to do so

Wang is committed under Agency contract to provide replacement parts until 1993

Wang tells us to expect continued support for Alliance through the 1990's

So - upgrade if the Alliance doesn't meet needs, otherwise don't change

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THREE MIGRATION PATHS

Alliance Turbo Board

Connect Alliance to VS

Replace Alliance with VS

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ALLIANCE TURBO BOARD

Board replacement for Alliance CPU: All Alliance software runs on Turbo

Virtual disk support for PCs

Throughput increase about 10 times

Support for modern peripherals

Increase number of devices supported
- 32 peripherals - 64 peripherals
- 24 workstations - 48 workstations
- 275 megabyte drives - 1000 megabyte drives

Cost for conversion: about $18K

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CONNECT ALLIANCE TO VS

Options:

- Use serial link (WSN) - up to 19.2 kbits/sec
- FastLan - 10 mbits

Mainframe connections through us for mail and logon

Alliance workstation logon to VS for all VS services

Limitations: only 24 Alliance workstations logged on to VS at one time

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CONVERT TO VS

Replace processor - minimum cost $50K

VS the platform for future developments

Virtual disk support for PCs

Power of a true minicomputer

Local area network support

Wang office runs on VS as well as Alliance-consistent user interfaces

Database systems, high level language programming available on VS

Somewhat harder to administer than Alliance

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WHAT TO DO

. If Alliance fully meets current needs

    don't change

. If Alliance meets functional needs, performance limits a problem, need PC support

    upgrade to turbo

. If Alliance meets all needs, some mainframe connectors needed

    connect Alliance to VS, VS to mainframe

. If need to improve performance and capabilities, or support substantial mainframe connections

    convert to VS

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TO WHAT ENDS ?

- **CONTRIBUTES TO THE GOAL OF AN INTEGRATED ARCHITECTURE**
- **CLARIFIES ACCOUNTABILITY/RESPONSIBILITY**
- **PROVIDES POTENTIAL FOR INCREASED TECHNICAL SECURITY**
- **ACHIEVES RESOURCE EFFICIENCIES**

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