



DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
WASHINGTON, D.C. 20380-0001

IN REPLY REFER TO:

C4I2R

14 JAN 1992

MEMORANDUM FOR THE DIRECTOR, DEFENSE INTELLIGENCE AGENCY

Subj: COMMENT ON JOINT OPEN SOURCE TASK FORCE REPORT AND
RECOMMENDATIONS (WORKING GROUP DRAFT DATED 12 JAN 92)

Ref: (a) * DCI Memo to DDS&T dtd 3 Dec 91

1. The subject draft report does not appear to fully satisfy the guidance provided by the Director of Central Intelligence (DCI) in the reference, and fails to integrate the requirements and capabilities of non-intelligence government organizations (both consumers and producers). We recommend that any follow-on effort be expanded to include consumer representatives. The Defense Technical Information Center (DTIC) and the Federal Research Division (FRD) should be full partners in this expanded effort.

2. We will reserve our detailed observations on the Task Force report until it is in final form and circulated by the DCI to the intelligence community principals for comment.

A handwritten signature in cursive script, appearing to read "L. M. Sadler".

L. M. SADLER
Colonel
Deputy Director
of Intelligence

OPEN SOURCE SOLUTIONS: WHERE SHOULD WE BE GOING?

UNCLASSIFIED BRIEFING

**PREPARED BY ROBERT D. STEELE
24 MARCH 1992**

APPROACH TO THE DISCUSSION

DEFINING OPEN SOURCE INFORMATION

A PROVOCATIVE ILLUSTRATION: CAPTURE VS. SPENDING

EXISTING CAPABILITIES & REQUIREMENTS

CRITIQUE OF THE DCI TASK FORCE REPORT

MILITARY SOLUTIONS

DEPARTMENTAL SOLUTIONS

PRIVATE SECTOR SOLUTIONS

RECOMMENDATIONS

PRACTICAL ALTERNATIVES

DEFINITION

"WHATEVER FORM IT TAKES, OPEN SOURCE INVOLVES NO INFORMATION THAT IS CLASSIFIED AT ITS ORIGIN; IS SUBJECT TO PROPRIETARY CONSTRAINTS (OTHER THAN COPYRIGHT); IS THE PRODUCT OF SENSITIVE CONTACTS WITH U.S. OR FOREIGN PERSONS; OR IS ACQUIRED THROUGH CLANDESTINE OR COVERT MEANS."

OPEN SOURCES ARE MULTI-MEDIA, MULTI-LINGUAL

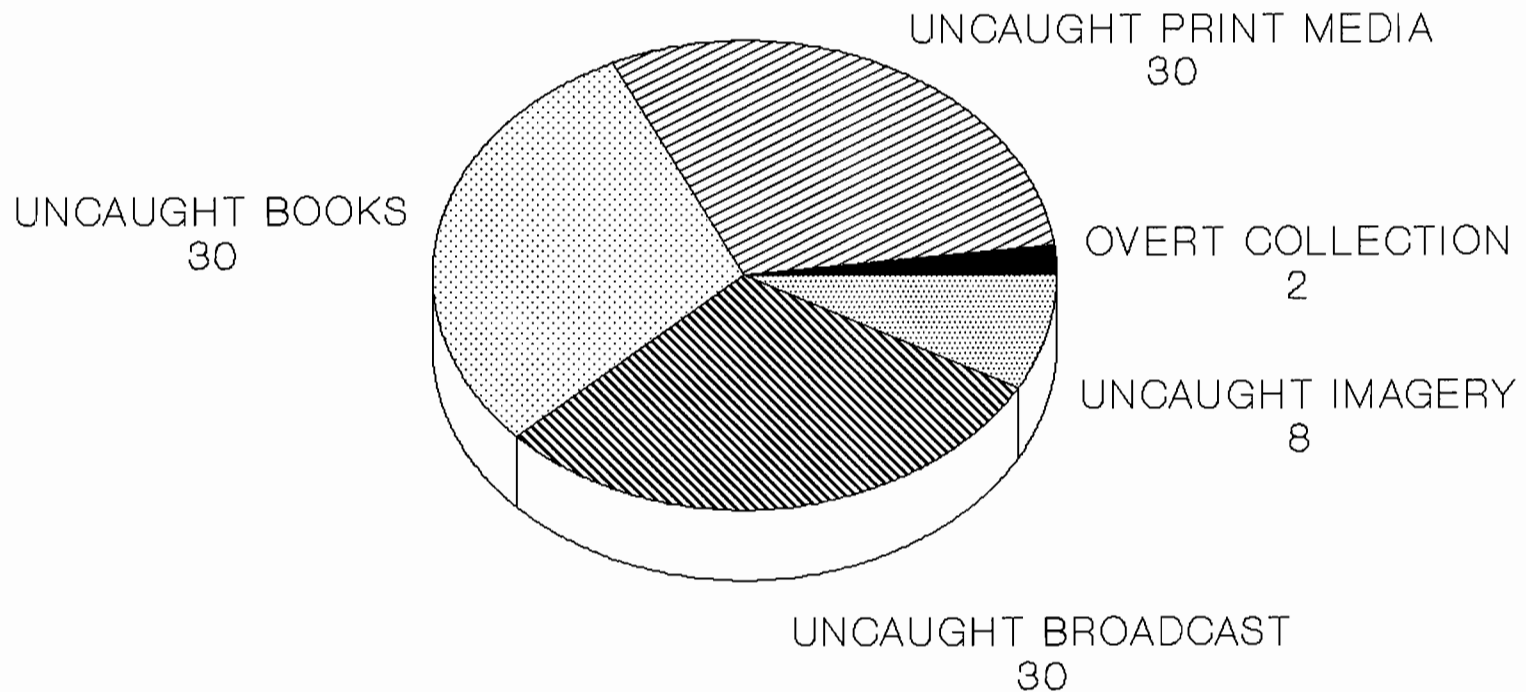
- HARD-COPY TEXT**
- PUBLIC BROADCASTS (RADIO, TELETYPE, TELEVISION)**
- OVERHEAD COMMERCIAL MULTI-SPECTRAL IMAGERY**

OPEN SOURCES ARE MULTI-DIMENSIONAL

- POLITICAL, SOCIAL, IDEO-CULTURAL**
- ECONOMIC, TECHNICAL, ENVIRONMENTAL**

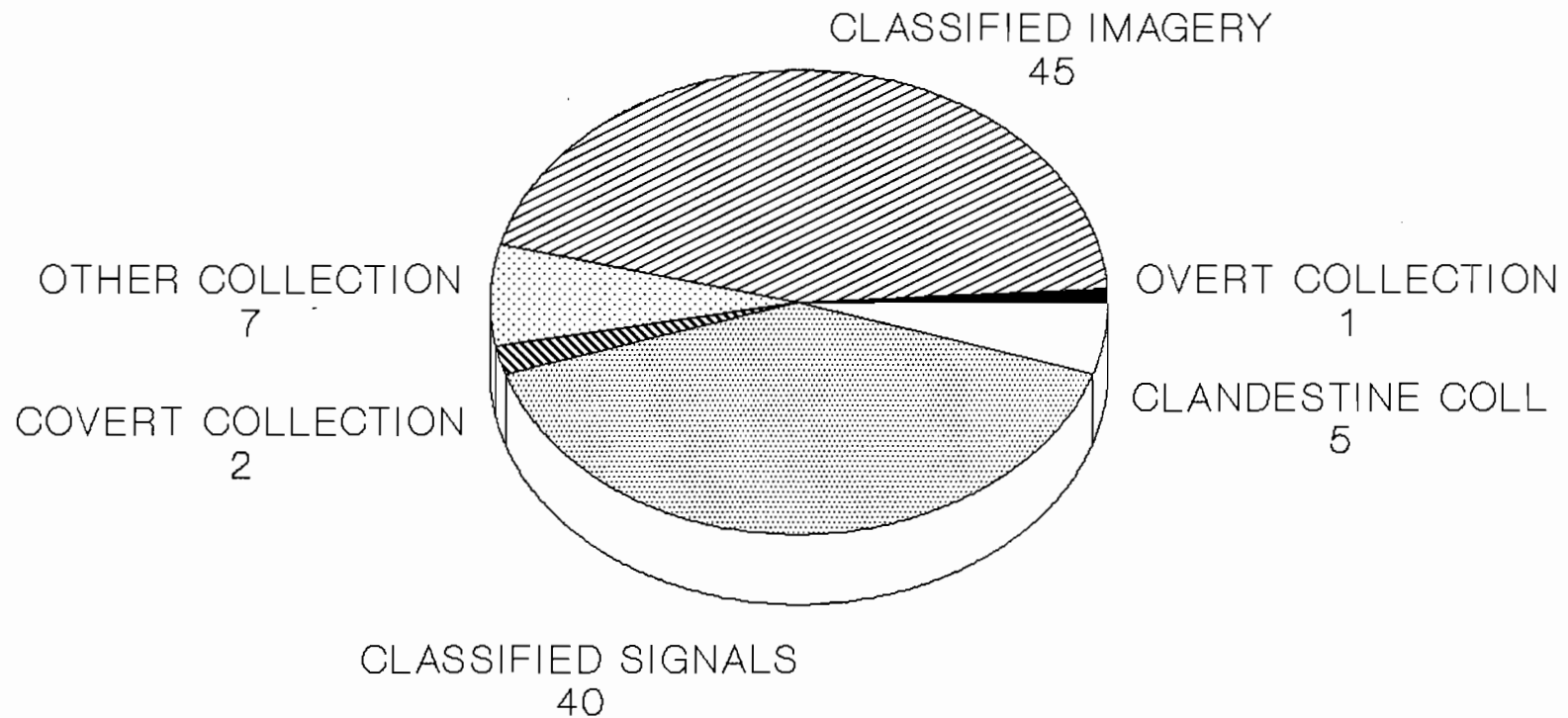
QUOTATION FROM DCI TASK FORCE DRAFT

A PROVOCATIVE ILLUSTRATION: WHAT WE CAPTURE



BEST ESTIMATE, NOT HARD DATA

A PROVOCATIVE ILLUSTRATION: WHAT WE SPEND



BEST ESTIMATE, NOT HARD DATA

EXISTING REQUIREMENTS

THERE IS NO EXISTING CHANNEL FOR CONSOLIDATING AND TASKING OPEN SOURCE REQUIREMENTS

THE INTELLIGENCE COMMUNITY IS ACTIVELY BIASED AGAINST THE EXPLOITATION OF OPEN SOURCES

"REQUIREMENTS" TEND TO BE AD HOC; THERE HAS BEEN NO ADEQUATE SURVEY OF MILITARY, COMMERCIAL, OR OTHER DEPARTMENTAL OPEN SOURCE REQUIREMENTS

THERE IS NO UNDERSTANDING OF WHERE GOVERNMENT, INDUSTRY, ACADEMIA, AND MEDIA COME TOGETHER WITH SIMILAR AND COMPLEMENTARY REQUIREMENTS

BOTTOM LINE: WE HAVE NOT EVEN BEGUN TO UNDERSTAND, MUCH LESS SATISFY, OUR NATIONAL OPEN SOURCE NEEDS

EXISTING CAPABILITIES

DEFENSE TECHNICAL INFORMATION CENTER (DTIC)

- **DEFENSE GATEWAY INFORMATION SYSTEM (DGIS)**
- **DEFENSE RESEARCH ONLINE SYSTEM (DROLS)**

NATIONAL TECHNICAL INFORMATION SERVICE (NTIS)

- **DEPARTMENT OF COMMERCE CAPABILITY**

FEDERAL RESEARCH DIVISION, LIBRARY OF CONGRESS

- **70% OF CONSUMER REQUIREMENTS UNFUNDED**

FOREIGN BROADCAST INFORMATION SERVICE (FBIS)

- **CENTRAL INTELLIGENCE AGENCY CAPABILITY**
- **PREDOMINANTLY PRINT AND VOICE**

AD HOC LANDSAT/SPOT MULTI-SPECTRAL IMAGERY

- **NOT AN INSTITUTIONALIZED PROGRAM**

CRITIQUE OF DCI REPORT

DO NOT USE
"PLEASE/ISI STEP"
LOOK TO OSCAR
COORD TO FOCUS
COMMUNITY EDITORS

SHALLOW AND LIMITED--DID NOT GO FAR ENOUGH

FAILED TO INCLUDE REST OF GOVERNMENT
INCLUDE PRIVATE SECTOR

FAILED TO RECOGNIZE EXISTING CAPABILITIES
SURVEY AND DOCUMENT REQUIREMENTS
INCLUDE MULTI-SPECTRAL IMAGERY

FAILED TO EVALUATE RESULTS OF PRIOR STUDIES
DOCUMENT CONSULTED SOURCES
SPECIFY NEEDED MANNING & FUNDING

FAILED TO CONSIDER CIVIL LIBERTARIAN ISSUES
PROPOSE COPYRIGHT SOLUTIONS
ADDRESS COUNTERINTELLIGENCE ASPECTS

REPORT IS OVERCLASSIFIED AND RELATIVELY USELESS

MILITARY SOLUTIONS

CONSUMER DEMANDS AND WARGAME RESULTS ARE CLEAR:
UNCLASSIFIED MULTI-MEDIA DATA IS TOP PRIORITY

ARCHITECTURE MUST BE CENTERED ON OPEN SOURCES
RATHER THAN COMPARTMENTED INFORMATION STOVEPIPES

DOCTRINE MUST EMPHASIZE UNCLASSIFIED DATA, BOTH
FOR EASE/COST OF COLLECTION AND EASE/COST OF
DISSEMINATION (WITHIN FORCES AND TO ALLIES)

TECHNOLOGY IS NOT THE SHOW-STOPPER--MANAGEMENT
IS PREVENTING FASTER CHEAPER INTELLIGENCE

TACTICAL PERSONNEL CAN "JUMP-START" THE PROCESS
BUT ULTIMATELY PRIVATE SECTOR MUST DO DATA ENTRY

MULTI-SPECTRAL IMAGERY FOR MAPS NEEDS EMPHASIS

DEPARTMENTAL SOLUTIONS

SINGLE GREATEST NEED IS FOR NATIONAL FOCAL POINT

- NATIONAL INFORMATION AGENCY (NIA)**
- INDEPENDENT OF ALL DEPARTMENTS, SERVING ALL**
- ALSO ABLE TO SERVE AND COLLABORATE WITH THE PRIVATE SECTOR (BOTH ACADEMIA & INDUSTRY)**
- CAN CONSOLIDATE SOME EXISTING CAPABILITIES**
 - DEFENSE TECHNICAL INFORMATION CENTER**
 - NATIONAL TECHNICAL INFORMATION SERVICE**
 - FOREIGN BROADCAST INFORMATION SERVICE**
 - FEDERAL RESEARCH DIVISION, LIB. CONG.**

NEED FOUR NEW CAPABILITIES

- CENTER FOR THE EXPLOITATION OF OPEN SOURCES (JOINT GOVERNMENT-PRIVATE SECTOR DATANET)**
- NATIONAL KNOWLEDGE FOUNDATION**
- OFFICE OF DIGITAL MULTI-SPECTRAL IMAGERY**
- NATIONAL OPEN SOURCE ARCHITECTURE**

PRIVATE SECTOR SOLUTIONS

**MUST ESTABLISH COMMONWEALTH OF KNOWLEDGE;
DISSEMINATION INCREASES VALUE OF KNOWLEDGE**

**NEED NEW COPYRIGHT AND PATENT LAWS WHICH
COMPENSATE ORIGINATORS BUT ELIMINATE OWNERS**

**NEED NATIONAL AND INTERNATIONAL NETWORK AND
COOPERATIVE AGREEMENTS WHICH BRING MORE
MULTI-MEDIA AND MULTI-LINGUAL DATA ONLINE**

**NATIONAL COMPETITIVENESS IS GOING TO DEPEND
OF NATIONAL INTELLIGENCE IN A NEW SENSE: QUICK
RECOGNITION OF CHANGE AND OPPORTUNITY, QUICK
RETOOLING AND NATIONAL ENGAGEMENT**

**GLOBAL NETWORK OF PRIVATE COLLECTORS, AIDED
BY CENTRAL GOVERNMENT GATEWAY SYSTEM**

RECOMMENDATIONS

CONGRESSIONAL REVIEW OF OPEN SOURCE CAPABILITIES AND REQUIREMENTS TO INCLUDE PRIVATE SECTOR

OFFER EQUITY POSITION TO OTHER COMMITTEES, FOCUS ON THEIR JURISDICTIONS' NEEDS FOR OPEN SOURCES

ESTABLISH NATIONAL INFORMATION AGENCY (NIA)

- CONSOLIDATED OPEN SOURCE PROGRAM (COSP)
- HEADQUARTERS IN VIRGINIA
- FIELD SITES IN OKLAHOMA, WEST VIRGINIA

USE NIA TO SUPPORT CONGRESSIONAL RESEARCH

- OPEN SOURCE ESTIMATES, COMPETITIVE ANALYSIS
- RESTORE INTELLIGENCE FOCUS ON DENIED DATA

EXPAND AND LINK COMPUTER SUPERHIGHWAY INITIATIVE WITH NATIONAL PUBLIC NETWORK, RESEARCH NETWORKS

PRACTICAL ALTERNATIVES

HANDSHAKE APPROACH:

- UNLIKELY TO WORK, WITNESS TASK FORCE RESULTS

TIARA APPROACH:

- POTENTIAL FOR ACCOUNTABILITY, TOO CUMBERSOME

NEW AGENCY APPROACH:

- CONSOLIDATIONS WILL YIELD SAVINGS AND FOCUS
- INDEPENDENCE WILL ENERGIZE PRIVATE SECTOR AND IMPROVE SERVICE TO REST OF GOVERNMENT
- NEW CAPABILITIES WILL NOT BE STILL-BORN

SO/LIC APPROACH:

- PROGRAM 12 WOULD CLEARLY ESTABLISH DIRECTION
- COMBINATION OF NEW AGENCY AND NEW PROGRAM WOULD FACILITATE MAJOR REALIGNMENTS