

**ESL**

**FBIS Modernization Requirements Revisions**

**August 10, 1984**

RFCs ORGANIZATION

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**R** REQUEST FOR CHANGE TITLE: See Attached

RFC NO. 004-001 DATE LOGGED 8/10/84

MCCB DECISION:

- . IMPLEMENT . . . . .
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DATE APPROVAL REQUIRED \_\_\_\_\_  
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PROPONENT OF CHANGE (ORGANIZATION): ESL

APPROVAL FOR SUBMITTAL (ORG. MGR. OR DESIGNEE): R. C. Dahlberg *red*

ORIGINATOR (NAME) S. J. Mazzoni

PREP. DATE OF RFC 8/7/84

TELEPHONE NO. (ORIGINATOR) (408) 738-2888 x4679

DOCUMENT(S)

NAME(S) FBIS Modernization Requirements

NUMBER(S) SDS-002

NEED FOR CHANGE:

See Attached

DESCRIPTION OF CHANGE:

See Attached

MCCB DECISION:

MEMBER	NAME	CONCUR	REJECT	WITHDRAW	DATE
C/E&PS					
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RFC 004-001 -----

Title: Additional system characteristics

SDS-002 Section: 1.1 General Requirements

SDS-002 Subtitle: System characteristics include:

Proposed Changes: add following items

- " - no single point failure in the FBIS system shall cause irretrievable loss or contamination of data
  - provide processing, file storage and hardcopy output redundancy such that a single point system failure will not preclude generation of hardcopy listings of files from the electronic data base to support manual operation of FBIS "
  - one-time keying of text
  - upgradable by stand alone segments (modules)
  - designed as not to preclude future addition of sending and receiving video
- non verifiable*

Reason: The system has to have the capability to operate in the old manual mode. To do this hardcopies must be extracted from the electronic data base.

**R** REQUEST FOR CHANGE TITLE: See Attached

RFC NO. 004-002 DATE LOGGED 8/10/84

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PROPONENT OF CHANGE (ORGANIZATION): ESL

APPROVAL FOR SUBMITTAL  
 (ORG. MGR. OR DESIGNEE): R. C. Dahlberg *RD*

ORIGINATOR (NAME) S. J. Mazzoni

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See Attached

DESCRIPTION OF CHANGE:

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MEMBER	NAME	CONCUR	REJECT	WITHDRAW	DATE
C/E&PS					
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RFC 004-002 -----

Title: Software and documentation standards

SDS-002 Section: 1.1 General Requirements

SDS-002 Subtitle: new paragraph

Proposed Change: add the following paragraph

"The FBIS software and documentation shall be designed and implemented in accordance with the programming practices, standards and conventions specified by the FBIS Modernization program office."

Reason: Needed quality control requirement

*Will be called  
out as detournable  
under P1D*

7

<b>R</b> REQUEST FOR CHANGE		TITLE: See Attached			
RFC NO.	004-003	DATE LOGGED 8/10/84			
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· WITHDRAW . . . . .	<input type="checkbox"/>	_____			
PROPONENT OF CHANGE (ORGANIZATION): ESL					
APPROVAL FOR SUBMITTAL (ORG. MGR. OR DESIGNEE): R. C. Dahlberg <i>RCD</i>					
ORIGINATOR (NAME) S. J. Mazzoni					
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RFC 004-003 -----

Title: Additional system characteristics for equipment

SDS-002 Section: 1.1 General Requirements

SDS-002 Subtitle: system characteristics

Proposed Change: add the following items

- "-electrical and mechanical design shall provide an expected useful lifetime of 10 (TBR) years after turn over
- equipment is commercially available as part of a standard product line *whenever possible*
- ~~-equipment is upwardly compatible within its product line~~
- on-site maintenance contracts are available for the equipment (Headquarters only)
- equipment has some field history upon which to evaluate its reliability

Reason: Needed requirement to constrain system lifetime

*Statistician*



<b>R</b> REQUEST FOR CHANGE		TITLE: See Attached			
RFC NO.	004-004	DATE LOGGED 8/10/84			
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APPROVAL FOR SUBMITTAL (ORG. MGR. OR DESIGNEE): R. C. Dahlberg <i>RC</i>					
ORIGINATOR (NAME) S. J. Mazzoni					
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RFC 004-004 -----

Title: Additional system characteristics for reliability

SDS-002 Section: 1.1 General Requirements

SDS-002 Subtitle: System characteristics

Proposed Change: add the following items

*maintenance & training* (handwritten note with an arrow pointing to the first bullet point)

" ~~operate in the environment specified in the FBIS facility requirements document for both headquarters and the individual bureaus~~

-designed and constructed to withstand electrical service malfunctions without mechanical or electrical damage or degradation of overall performance

*training &* (handwritten note circled around the word 'testing')

✓ design shall permit testing of system equipment to establish operational capabilities without disrupting segment operational timelines

Reason: Needed reliability requirements

*W/E/C/T* (large handwritten signature or initials)



RFC 004-005 -----

Title: Training requirements

SDS-002 Section: 1.1 General Requirements

SDS-002 Subtitle: new paragraph

Proposed Change: add following paragraph

"Training must be established as an integral part of the FBIS modernization. FBIS training must be provided in the following areas as a minimum:

- text processing
- automated publication
- data base utilization
- system management (system operation) (super user)

In addition, the training of bureau monitors must be accomplished at the bureau.

Reason: Establish training requirements

*SON  
calls for  
training plans*

<b>R</b> REQUEST FOR CHANGE		TITLE: See Attached			
RFC NO.	004-006	DATE LOGGED		8/10/84	
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APPROVAL FOR SUBMITTAL (ORG. MGR. OR DESIGNEE): R. C. Dahlberg <i>RD</i>					
ORIGINATOR (NAME) S. J. Mazzoni					
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DOCUMENT(S)					
NAME(S) FBIS Modernization Requirements					
NUMBER(S) SDS-002					
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<u>DESCRIPTION OF CHANGE:</u>					
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MCCB DECISION:					
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RFC 004-006 -----

Title: Man Machine Interface requirements

SDS-002 Section: 1.2 Processing

SDS-002 Subtitle: entire section

Proposed Changes: (1) change title from "Processing" to "Man Machine Interface" (MMI); (2) move subtitles and contents "Access control goals" and "File manipulation goals" into "Data Base Management Requirements" Section; (3) move first item of display goals into Data Base Management Requirements section; (4) delete Subtitle "Processing revolves around"; and (5) replace remainder of section with the following:

" The modernized FBIS requires that human operators interact with the computer system via Video Display Terminals. This interaction shall be characterized by the following display and interaction goals.

Display goals are:

- the system never presents a blank screen; <sup>while processing</sup> a "working" indication must be provided if a response will require greater than 2 seconds
- a consistent display organization for different operators e.g., system/terminal status displayed at the top, data in the middle and error/alert messages displayed at the bottom
- the simultaneous display of two files with the screen split either horizontally or vertically

*new  
design  
feature*

Interaction goals are:

- the use of prompts, forms, menus and/or on-line help to guide users through input sequences
- the use of informative error messages and the restart of input at the point of error detection without loss of command or processing data
- single keystroke commands or menu-selectable commands to control the most frequently used functions
- user-defined function keys to control commands or series of commands

Reasons: (1) the term "processing" is too general, requirements should be grouped under more specific titles to facilitate control and location; (2) these are Data Base Management requirements; (3) this section does not state any original requirements; and (4) needed requirements to insure a good MMI

<b>R</b> <b>REQUEST FOR CHANGE</b>		<b>TITLE:</b> See Attached			
<b>RFC NO.</b> 004-007		<b>DATE LOGGED</b> 8/10/84			
<b>MCCB DECISION:</b>		<b>DATE APPROVAL REQUIRED</b> _____			
<ul style="list-style-type: none"> <li>• IMPLEMENT . . . . . <input type="checkbox"/></li> <li>• IMPLEMENT WITH MODIFICATION <input type="checkbox"/></li> <li>• REJECT . . . . . <input type="checkbox"/></li> <li>• WITHDRAW . . . . . <input type="checkbox"/></li> </ul>		<b>IMPACT IF NOT MET:</b> _____			
<b>PROPONENT OF CHANGE (ORGANIZATION):</b>		ESL			
<b>APPROVAL FOR SUBMITTAL (ORG. MGR. OR DESIGNEE):</b>		R. C. Dahlberg <i>RD</i>			
<b>ORIGINATOR (NAME)</b>		S. J. Mazzoni			
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<b>TELEPHONE NO. (ORIGINATOR)</b>		(408) 738-2888 x4679			
<b>DOCUMENT(S) NAME(S)</b>		FBIS Modernization Requirements			
<b>NUMBER(S)</b>		SDS-002			
<b>NEED FOR CHANGE:</b>		<i>accept</i>			
<b>DESCRIPTION OF CHANGE:</b>					
See Attached					
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<b>MCCB DECISION:</b>					
<b>MEMBER</b>	<b>NAME</b>	<b>CONCUR</b>	<b>REJECT</b>	<b>WITHDRAW</b>	<b>DATE</b>
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RFC 004-007 -----

Title: Automatic generation of standard messages

SDS-002 Section: 1.3 Message Processing and Dissemination

SDS-002 Subtitle: Wire Service support includes

Proposed Change: change third item to read

"automatic generation and transmission of announcement messages for

=beginning of day

=after 60 minutes of idle-time

=end of day "

Reason: clarify this capability should be automatic

*Good*



**R** REQUEST FOR CHANGE TITLE: See Attached

RFC NO. 004-008 DATE LOGGED 8/10/84

MCCB DECISION:  
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PROPONENT OF CHANGE (ORGANIZATION): ESL

APPROVAL FOR SUBMITTAL (ORG. MGR. OR DESIGNEE): R. C. Dahlberg *(RD)*

ORIGINATOR (NAME) S. J. Mazzoni

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DOCUMENT(S) NAME(S) FBIS Modernization Requirements

NUMBER(S) SDS-002

NEED FOR CHANGE:  
 See Attached  
DESCRIPTION OF CHANGE:  
 See Attached *accept*

MCCB DECISION:

MEMBER	NAME	CONCUR	REJECT	WITHDRAW	DATE
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RFC 004-008 -----

Title: Associate related messages

SDS-002 Section: 1.3 Message Processing and Dissemination

SDS-002 Subtitle: new paragraph

Proposed Change: add new paragraph

"The capability must be provided to associate, in support of editorial review and processing, messages of related content that are received at different times. ~~The maximum time interval over which messages must be associated is 24 (TBR) hours.~~"

Reason: Needed requirement for FBIS modernization

*cross-referenced*

*Can't merge*

~~SDS-002~~

**R** EQUEST FOR CHANGE TITLE: See Attached

RFC NO. 004-009 DATE LOGGED 8/10/84

MCCB DECISION:

- . IMPLEMENT . . . . .
- . IMPLEMENT WITH MODIFICATION
- . REJECT . . . . .
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PROPONENT OF CHANGE (ORGANIZATION): ESL

APPROVAL FOR SUBMITTAL  
 (ORG. MGR. OR DESIGNEE): R. C. Dahlberg *RD*

ORIGINATOR (NAME) S. J. Mazzoni

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DOCUMENT(S)  
 NAME(S) FBIS Modernization Requirements

NUMBER(S) SDS-002

NEED FOR CHANGE:

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DESCRIPTION OF CHANGE:

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MCCB DECISION:

MEMBER	NAME	CONCUR	REJECT	WITHDRAW	DATE
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RFC 004-009 -----

Title: Message capacity

SDS-002 Section: 1.3 Message Processing and Dissemination

SDS-002 Subtitle: Headquarters use of field traffic...

Proposed Change: add the following item

"the message handling system must provide the capacity to handle the current maximum (crisis peak) volume of message traffic plus an additional 25% (TBR) margin for growth

Reason: needed capacity requirement

*revised*

**R** EQUEST FOR CHANGE TITLE: See Attached

RFC NO. 004- 010 DATE LOGGED 8/10/84

MCCB DECISION:

- . IMPLEMENT . . . . .
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PROPONENT OF CHANGE (ORGANIZATION): ESL

APPROVAL FOR SUBMITTAL  
 (ORG. MGR. OR DESIGNEE): R. C. Dahlberg *rev*

ORIGINATOR (NAME) S. J. Mazzoni

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DOCUMENT(S)  
 NAME(S) FBIS Modernization Requirements

NUMBER(S) SDS-002

NEED FOR CHANGE:

See Attached

DESCRIPTION OF CHANGE:

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MCCB DECISION:

MEMBER	NAME	CONCUR	REJECT	WITHDRAW	DATE
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RFC 004-010 -----

Title: Long and short text data types

SDS-002 Section: 1.4 Data Base Management Requirements

Design

SDS-002 Subtitle: Data value types

Proposed Change: replace data type text with short text (title) and long text (speech), and add data types line art and image

Reason: provide capability to handle new data types required for FBIS data base

word  
length attribute

**R** **REQUEST FOR CHANGE** TITLE: See Attached

RFC NO. 004- 011 DATE LOGGED 8/10/84

MCCB DECISION:

- . IMPLEMENT . . . . .
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APPROVAL FOR SUBMITTAL (ORG. MGR. OR DESIGNEE): R. C. Dahlberg *RCD*

ORIGINATOR (NAME) S. J. Mazzoni

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DESCRIPTION OF CHANGE:

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*J. Mazzoni*  
*R. C. Dahlberg*

MCCB DECISION:

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RFC 004-011 -----

Title: Variable length long text

SDS-002 Section: 1.4 Data Base Management Requirements

SDS-002 Subtitle: Data element (field) attributes include:

Proposed Change: change the first item to read:

"variable length with a maximum length of (TBD) bytes for the long text data type"

Reason: clarify the length restriction, need a specific number to test against



**R** REQUEST FOR CHANGE TITLE: See Attached

RFC NO. 004-012 DATE LOGGED 8/10/84

MCCB DECISION:

- . IMPLEMENT
- . IMPLEMENT WITH MODIFICATION
- . REJECT
- . WITHDRAW

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APPROVAL FOR SUBMITTAL (ORG. MGR. OR DESIGNEE): R. C. Dahlberg *fw*

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NEED FOR CHANGE:

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DESCRIPTION OF CHANGE:

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*Noted*

MCCB DECISION:

MEMBER	NAME	CONCUR	REJECT	WITHDRAW	DATE
C/E&PS					
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RFC 004-012 -----

Title: Field format control

SDS-002 Section: 1.4 Data Base Management Requirements

SDS-002 Subtitle: Data element (field) attributes

Proposed Change: add the item

"-field format control for data input via forms, e.g., embed mandatory characters ( e.g. dashes in phone or social security numbers) into text field

Reason: Requirement is needed to provide more usable and user friendly interface when entering data into the data base.

*Design  
rule*

**R** REQUEST FOR CHANGE TITLE: See Attached

RFC NO. 004- 013 DATE LOGGED 8/10/84

MCCB DECISION:

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RFC 004-013 -----

Title: Unique name and single data type attributes

SDS-002 Section: 1.4 Data Base Management Requirements

SDS-002 Subtitle: Data element (field) attributes

Proposed Change: add the items

- " -unique name within file
- single data type "

Reason: Needed requirements for field attributes

*Project*

**R** REQUEST FOR CHANGE TITLE: See Attached

RFC NO. 004-014 DATE LOGGED 8/10/84

MCCB DECISION:

- . IMPLEMENT
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MCCB DECISION:

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RFC 004-014 -----

Title: Groups clarification

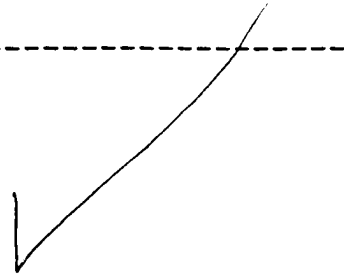
SDS-002 Section: 1.4 Data Base Management Requirements

SDS-002 Subtitle: new paragraph

Proposed Change: add the following paragraph

"All discussion of groups within records is intended to describe a capability in a conceptual manner, and does not constrain the design implementation.

Reason: This change clarifies the purpose of the inclusion of the discussion of groups



<b>R</b> <b>REQUEST FOR CHANGE</b> TITLE:    See Attached					
RFC NO.      004-015		DATE LOGGED    8/10/84			
MCCB DECISION:					
. IMPLEMENT . . . . .		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	DATE APPROVAL REQUIRED _____		
. IMPLEMENT WITH MODIFICATION . . . . .			IMPACT IF NOT MET: _____		
. REJECT . . . . .			_____		
. WITHDRAW . . . . .			_____		
PROPONENT OF CHANGE (ORGANIZATION):      ESL					
APPROVAL FOR SUBMITTAL (ORG. MGR. OR DESIGNEE):      R. C. Dahlberg <i>RD</i>					
ORIGINATOR (NAME)      S. J. Mazzoni					
PREP. DATE OF RFC      8/7/84					
TELEPHONE NO. (ORIGINATOR)      (408) 738-2888 x4679					
DOCUMENT(S) NAME(S)      FBIS Modernization Requirements					
NUMBER(S)      SDS-002					
<u>NEED FOR CHANGE:</u>  See Attached					
<u>DESCRIPTION OF CHANGE:</u>  See Attached					
MCCB DECISION:					
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C/DIB					
PCO		--	--	--	
SI		--	--	--	
C/SDS CHAIRMAN					

RFC 004-015 -----

Title: One-to-many relationships

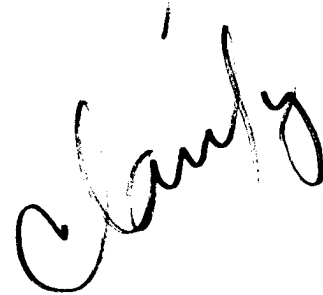
SDS-002 Section: 1.4 Data Base Management Requirements

SDS-002 Subtitle: File relationships paragraph

Proposed Change: After the first sentence, insert the following:

"The data base management system must be able to manage "one-to-many" relationships, where "many" is variable and limited only by the size of the largest record supported by the storage system."

Reason: Needed capability to provide the data base flexibility necessary for the FBIS modernization.

A handwritten signature in cursive script, appearing to read "Candy".



**R** REQUEST FOR CHANGE TITLE: See Attached

RFC NO. 004- 016 DATE LOGGED 8/10/84

MCCB DECISION:  
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PROPONENT OF CHANGE (ORGANIZATION): ESL

APPROVAL FOR SUBMITTAL (ORG. MGR. OR DESIGNEE): R. C. Dahlberg <sup>Ad</sup>

ORIGINATOR (NAME) S. J. Mazzoni

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NUMBER(S) SDS-002

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DESCRIPTION OF CHANGE:  
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RFC 004-016 -----

Title: Redundant requirement for preserving relationships

SDS-002 Section: 1.4 Data Base Management Requirements

SDS-002 Subtitle: File maintenance paragraph

Proposed Change: delete last sentence ("The file system must also.....  
during retrieval and reporting").

Reason: Redundant with the last sentence of the previous paragraph

Project

<b>R</b> <b>REQUEST FOR CHANGE</b> TITLE:    See Attached					
RFC NO.      004- 017		DATE LOGGED    8/10/84			
MCCB DECISION:					
. IMPLEMENT . . . . .		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	DATE APPROVAL REQUIRED _____		
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. REJECT . . . . .			_____		
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PROPONENT OF CHANGE (ORGANIZATION):      ESL					
APPROVAL FOR SUBMITTAL (ORG. MGR. OR DESIGNEE):      R. C. Dahlberg <i>Red</i>					
ORIGINATOR (NAME)      S. J. Mazzoni					
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TELEPHONE NO. (ORIGINATOR)      (408) 738-2888 x4679					
DOCUMENT(S) NAME(S)      FBIS Modernization Requirements					
NUMBER(S)      SDS-002					
<u>NEED FOR CHANGE:</u>					
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<u>DESCRIPTION OF CHANGE:</u>					
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MCCB DECISION:					
MEMBER	NAME	CONCUR	REJECT	WITHDRAW	DATE
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RFC 004-017 -----

Title: File Purging

SDS-002 Section: 1.4 Data Base Management Requirements

SDS-002 Subtitle: Specific file maintenance operations

Proposed Change: add item

"automatic identification of candidate files for purging based on version <sup>archiving or</sup> and/or time criteria, with operator approval required for each ~~file~~ <sup>/space</sup> ~~deletion~~ <sub>action</sub>"

Reason: needed capability

~~Period in process~~  
Sys char. Ag  
gen mg. Du

~~SDS #~~  
ESL-017

**R** REQUEST FOR CHANGE TITLE: See Attached

RFC NO. 004-018 DATE LOGGED 8/10/84

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- . IMPLEMENT
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- . WITHDRAW

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PROPONENT OF CHANGE (ORGANIZATION): ESL

APPROVAL FOR SUBMITTAL  
 (ORG. MGR. OR DESIGNEE): R. C. Dahlberg *RD*

ORIGINATOR (NAME) S. J. Mazzoni

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 NAME(S) FBIS Modernization Requirements

NUMBER(S) SDS-002

NEED FOR CHANGE:

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DESCRIPTION OF CHANGE:

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MEMBER	NAME	CONCUR	REJECT	WITHDRAW	DATE
C/E&PS					
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RFC 004-018 -----

Title: Clarify changing data types

SDS-002 Section: 1.4 Data Base Management Requirements

SDS-002 Subtitle: paragraph starting "File maintenance must be able to..."

Proposed Change: change second sentence to read "There is a requirement to create new files, modify and add logical structure within existing files, and change data type and attributes for existing fields within a file."

Reason: clarifies the meaning of the desired capability to change data types for an existing field

*accf* ✓

<b>R</b> REQUEST FOR CHANGE TITLE: See Attached					
RFC NO. 004-019		DATE LOGGED 8/10/84			
MCCB DECISION:					
. IMPLEMENT . . . . .		<input type="checkbox"/>		DATE APPROVAL REQUIRED _____	
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. REJECT . . . . .		<input type="checkbox"/>		_____	
. WITHDRAW . . . . .		<input type="checkbox"/>		_____	
PROPONENT OF CHANGE (ORGANIZATION): ESL					
APPROVAL FOR SUBMITTAL (ORG. MGR. OR DESIGNEE): R. C. Dahlberg <i>Red</i>					
ORIGINATOR (NAME) S. J. Mazzoni					
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DOCUMENT(S)					
NAME(S) FBIS Modernization Requirements					
NUMBER(S) SDS-002					
<u>NEED FOR CHANGE:</u>					
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<u>DESCRIPTION OF CHANGE:</u>					
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MCCB DECISION:					
MEMBER	NAME	CONCUR	REJECT	WITHDRAW	DATE
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RFC 004-019 -----

Title: Predefined retrieval keys

SDS-002 Section: 1.4 Data Base Management Requirements

SDS-002 Subtitle: new paragraph

Proposed Change: add the following paragraph

"The data base management system must provide the capability to predefine specific fields as retrieval keys, such that special index relationships are automatically created to enhance information retrieval time."

Reason: This capability is essential to provide data base customization in order to enhance information retrieval times.

*Denison*



<b>R</b> <b>REQUEST FOR CHANGE</b>		<b>TITLE:</b> See Attached			
<b>RFC NO.</b> 004- 020		<b>DATE LOGGED</b> 8/10/84			
<b>MCCB DECISION:</b>		<b>DATE APPROVAL REQUIRED</b> _____			
<ul style="list-style-type: none"> <li>. IMPLEMENT . . . . . <input type="checkbox"/></li> <li>. IMPLEMENT WITH MODIFICATION . . . . . <input type="checkbox"/></li> <li>. REJECT . . . . . <input type="checkbox"/></li> <li>. WITHDRAW . . . . . <input type="checkbox"/></li> </ul>		<b>IMPACT IF NOT MET:</b> _____			
<b>PROPONENT OF CHANGE (ORGANIZATION):</b> _____		ESL			
<b>APPROVAL FOR SUBMITTAL (ORG. MGR. OR DESIGNEE):</b> _____		R. C. Dahlberg <i>RCD</i>			
<b>ORIGINATOR (NAME)</b> _____		S. J. Mazzoni			
<b>PREP. DATE OF RFC</b> _____		8/7/84			
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<b>DOCUMENT(S) NAME(S)</b> _____		FBIS Modernization Requirements			
<b>NUMBER(S)</b> _____		SDS-002			
<b>NEED FOR CHANGE:</b>					
See Attached					
<b>DESCRIPTION OF CHANGE:</b>					
See Attached					
<b>MCCB DECISION:</b>					
<b>MEMBER</b>	<b>NAME</b>	<b>CONCUR</b>	<b>REJECT</b>	<b>WITHDRAW</b>	<b>DATE</b>
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<b>CHAIRMAN</b>					

<sup>20</sup>  
RFC ~~004-019~~ -----

Title: Forms

SDS-002 Section: 1.4 Data Base Management Requirements

SDS-002 Subtitle: new paragraph

Proposed Change: add the paragraph

"The data base management system must provide the capability to input data using "fill-in-the-blank" forms. This capability includes the ability to create, edit and delete form definitions. These forms must have the following characteristics:

- designate fields for input or display only
- predefine default data for the field
- define video attributes for fields and form areas
- error check inputs against field definition
- scroll or page form to handle multipage forms
- specify double width and size characters
- designate fields for mandatory input
- forward, backward, vertical and horizontal tabbing between input fields

Reason: The ability to enter data using forms is required for the efficient and user friendly operation of the FBIS data base system.

*Jan*

**R** EQUEST FOR CHANGE TITLE: See Attached

RFC NO. 004-021 DATE LOGGED 8/10/84

MCCB DECISION:

- . IMPLEMENT . . . . .
- . IMPLEMENT WITH MODIFICATION
- . REJECT . . . . .
- . WITHDRAW . . . . .

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PROPONENT OF CHANGE (ORGANIZATION): ESL

APPROVAL FOR SUBMITTAL (ORG. MGR. OR DESIGNEE): R. C. Dahlberg *RC*

ORIGINATOR (NAME) S. J. Mazzoni

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TELEPHONE NO. (ORIGINATOR) (408) 738-2888 x4679

DOCUMENT(S)

NAME(S) FBIS Modernization Requirements

NUMBER(S) SDS-002

NEED FOR CHANGE:

See Attached

DESCRIPTION OF CHANGE:

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MCCB DECISION:

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C/SDS					
CHAIRMAN					

RFC 004-~~020~~<sup>21</sup> -----

Title: Menu definition

SDS-002 Section: 1.4 Data Base Management Requirements

SDS-002 Subtitle: new paragraph

Proposed Change: add the paragraph

"The data base system must provide the capability to define and alter the menus used to support operator interactive processing.

Reason: Needed to provide system flexibility

*Assignment*

**R** **REQUEST FOR CHANGE** TITLE: See Attached

RFC NO. 004-022 DATE LOGGED 8/10/84

MCCB DECISION:

- . IMPLEMENT . . . . .
- . IMPLEMENT WITH MODIFICATION
- . REJECT . . . . .
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PROPONENT OF CHANGE (ORGANIZATION): ESL

APPROVAL FOR SUBMITTAL  
 (ORG. MGR. OR DESIGNEE): R. C. Dahlberg *RD*

ORIGINATOR (NAME) S. J. Mazzoni

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TELEPHONE NO. (ORIGINATOR) (408) 738-2888 x4679

DOCUMENT(S)

NAME(S) FBIS Modernization Requirements

NUMBER(S) SDS-002

NEED FOR CHANGE:

See Attached

DESCRIPTION OF CHANGE:

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RFC 004-021 -----

Title: Data Base "Catch-all" requirement

SDS-002 Section: 1.4 Data Base Management Requirements

SDS-002 Subtitle: new paragraph

Proposed Change: add the following paragraph to end of section:

"By using the data types embodied in fields, records and files as specified in this section, it shall be possible to produce and manipulate in electronic form the files defined in Exhibit B. Furthermore, by the addition of suitable modular memory expansion it shall be possible to meet the growth figures in Exhibit A."

Reason: This "catch-all" requirement statement is needed to insure that the data base specifications defined in this section will provide the overall capability required for establishment of a usable FBIS data base.

Project  
input

**R** EQUEST FOR CHANGE TITLE: See Attached

RFC NO. 004-023 DATE LOGGED 8/10/84

MCCB DECISION:

- . IMPLEMENT
- . IMPLEMENT WITH MODIFICATION
- . REJECT
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DATE APPROVAL REQUIRED \_\_\_\_\_  
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PROPONENT OF CHANGE (ORGANIZATION): ESL

APPROVAL FOR SUBMITTAL (ORG. MGR. OR DESIGNEE): R. C. Dahlberg *RW*

ORIGINATOR (NAME) S. J. Mazzoni

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CHAIRMAN					

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RFC 004-022

Title: Search English/Foreign Text

SDS-002 Section: 1.5 Data Base Management Retrieval Requirements

SDS-002 Subtitle: Special conditions and expressions for character string and text searching

Proposed Change: add item

"-search English and foreign language text

Reason: This requirement is needed to handle the special processing required to search foreign language text

*reject*

*skip*

*SDS-25*

*selected for  
lang char sets*



**R** REQUEST FOR CHANGE TITLE: See Attached

RFC NO. 004-024 DATE LOGGED 8/10/84

MCCB DECISION:

- . IMPLEMENT
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- . WITHDRAW

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PROPONENT OF CHANGE (ORGANIZATION): ESL

APPROVAL FOR SUBMITTAL  
 (ORG. MGR. OR DESIGNEE): R. C. Dahlberg *RCD*

ORIGINATOR (NAME) S. J. Mazzone

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TELEPHONE NO. (ORIGINATOR) (408) 738-2888 x4679

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NAME(S) FBIS Modernization Requirements

NUMBER(S) SDS-002

NEED FOR CHANGE:

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DESCRIPTION OF CHANGE:

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CHAIRMAN					

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RFC 004-023 -----

Title: Spreadsheet manipulations

SDS-002 Section: 1.5 Data Base Management Retrieval Requirements

SDS-002 Subtitle: general report generation capabilities

Proposed Change: add the following to the last item

"These manipulations must be those found in a typical commercially available spreadsheet program.

Reason: clarify term mathematical operations

*Project*

**R** **REQUEST FOR CHANGE** TITLE: See Attached

RFC NO. 004-025 DATE LOGGED 8/10/84

MCCB DECISION:  
 . IMPLEMENT  DATE APPROVAL REQUIRED \_\_\_\_\_  
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PROPONENT OF CHANGE (ORGANIZATION): ESL

APPROVAL FOR SUBMITTAL (ORG. MGR. OR DESIGNEE): R. C. Dahlberg *(RD)*

ORIGINATOR (NAME) S. J. Mazzoni

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NUMBER(S) SDS-002

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<sup>25</sup>  
RFC ~~004-024~~-----

Title: Clarification of "m of n"

SDS-002 Section: 1.5 Data Base Management Retrieval Requirements

SDS-002 Subtitle: Boolean expressions include:

Proposed Change: change first item to read

"-and, or, m matches of n conditions"

Reason: Clarify ambiguous requirement

*missed*

<b>R</b> REQUEST FOR CHANGE		TITLE: See Attached			
RFC NO. 004- 026		DATE LOGGED 8/10/84			
MCCB DECISION:		DATE APPROVAL REQUIRED _____			
. IMPLEMENT . . . . . <input type="checkbox"/>		IMPACT IF NOT MET: _____			
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. REJECT . . . . . <input type="checkbox"/>		_____			
. WITHDRAW . . . . . <input type="checkbox"/>		_____			
PROPONENT OF CHANGE (ORGANIZATION):		ESL			
APPROVAL FOR SUBMITTAL (ORG. MGR. OR DESIGNEE):		R. C. Dahlberg <i>RD</i>			
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PREP. DATE OF RFC		8/7/84			
TELEPHONE NO. (ORIGINATOR)		(408) 738-2888 x4679			
DOCUMENT(S) NAME(S)		FBIS Modernization Requirements			
NUMBER(S)		SDS-002			
NEED FOR CHANGE:		See Attached			
DESCRIPTION OF CHANGE:		See Attached			
MCCB DECISION:					
MEMBER	NAME	CONCUR	REJECT	WITHDRAW	DATE
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C/SDS CHAIRMAN					

26  
RFC 004-025 -----

Title: Browsing clarifications

SDS-002 Section: 1.5 Data Base Management Retrieval Requirements

SDS-002 Subtitle: Browsing hit files

Proposed Change: change the first and second items to read

"-page forward and backward, where page is a full screen of text

-scroll up or down a single text line

Reason: Clarify ambiguous requirements

*reject*

**R** REQUEST FOR CHANGE TITLE: See Attached

RFC NO. 004-027 DATE LOGGED 8/10/84

MCCB DECISION:

- . IMPLEMENT . . . . .
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- . REJECT . . . . .
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PROPONENT OF CHANGE (ORGANIZATION): ESL

APPROVAL FOR SUBMITTAL  
 (ORG. MGR. OR DESIGNEE): R. C. Dahlberg *RD*

ORIGINATOR (NAME) S. J. Mazzoni

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DESCRIPTION OF CHANGE:

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RFC 004-<sup>27</sup>~~026~~ -----

Title: Move directory requirements to Data Base section

SDS-002 Section: 1.7 Text Processing

SDS-002 Subtitle: Useful, flexible directories

Proposed Change: Move this paragraph and subitems to section 1.4, Data Base Management Requirements

Reason: This is a Data Base Management requirement instead of a Text Processing requirement.

*Accepted*



**REQUEST FOR CHANGE** TITLE: See Attached

RFC NO. 004-028 DATE LOGGED 8/10/84

MCCB DECISION:  
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 . IMPLEMENT WITH MODIFICATION  IMPACT IF NOT MET: \_\_\_\_\_  
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PROPONENT OF CHANGE (ORGANIZATION): ESL

APPROVAL FOR SUBMITTAL (ORG. MGR. OR DESIGNEE): R. C. Dahlberg *red*

ORIGINATOR (NAME) S. J. Mazzoni

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DOCUMENT(S) NAME(S) FBIS Modernization Requirements

NUMBER(S) SDS-002

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CHAIRMAN					

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RFC 004-027 -----

Title: Hyphenation customization

SDS-002 Section: 1.8 Composition Requirements

SDS-002 Subtitle: Composition Requirements

Proposed Change: change first item to read

" -high-quality hyphenation and justification, with the capability to customize hyphenation dictionary to meet the specific needs of the user "

Reason: needed flexibility

accept

<b>R</b> <b>REQUEST FOR CHANGE</b> TITLE:    See Attached					
RFC NO.      004-029		DATE LOGGED    8/10/84			
MCCB DECISION:					
. IMPLEMENT . . . . .		<input type="checkbox"/>	DATE APPROVAL REQUIRED _____		
. IMPLEMENT WITH MODIFICATION . . . . .		<input type="checkbox"/>	IMPACT IF NOT MET: _____		
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PROPONENT OF CHANGE (ORGANIZATION):      ESL					
APPROVAL FOR SUBMITTAL (ORG. MGR. OR DESIGNEE):      R. C. Dahlberg <sup>(20)</sup>					
ORIGINATOR (NAME)      S. J. Mazzoni					
PREP. DATE OF RFC      8/7/84					
TELEPHONE NO. (ORIGINATOR)      (408) 738-2888 x4679					
DOCUMENT(S) NAME(S)      FBIS Modernization Requirements					
NUMBER(S)      SDS-002					
<u>NEED FOR CHANGE:</u>  See Attached					
<u>DESCRIPTION OF CHANGE:</u>  See Attached					
MCCB DECISION:					
MEMBER	NAME	CONCUR	REJECT	WITHDRAW	DATE
C/E&PS					
C/OPS					
C/PROD					
C/AG					
DC/SDS					
C/RAB					
C/DIB					
PCO		--	--	--	
SI		--	--	--	
C/SDS CHAIRMAN					

RFC 004-<sup>29</sup>020 -----

Title: Display composed reports

SDS-002 Section: 1.8 Composition Requirements

SDS-002 Subtitle: new paragraph

Proposed Change: add new paragraph

"The capability must be provided to display composed reports in fully "exploded" form, i.e., in th actual form they will appear after publication. "

Reason: This capability is required to support proof prior to actual hardcopy printing.

*reject*  
*add*  
*move*  
*to 1.8*  
*1.2 proofing*

<b>R</b> REQUEST FOR CHANGE		TITLE: See Attached			
RFC NO.	004- 030	DATE LOGGED 8/10/84			
MCCB DECISION:					
· IMPLEMENT . . . . .	<input type="checkbox"/>	DATE APPROVAL REQUIRED _____			
· IMPLEMENT WITH MODIFICATION	<input type="checkbox"/>	IMPACT IF NOT MET: _____			
· REJECT . . . . .	<input type="checkbox"/>	_____			
· WITHDRAW . . . . .	<input type="checkbox"/>	_____			
PROPONENT OF CHANGE (ORGANIZATION): ESL					
APPROVAL FOR SUBMITTAL (ORG. MGR. OR DESIGNEE): R. C. Dahlberg <sup>(20)</sup>					
ORIGINATOR (NAME) S. J. Mazzoni					
PREP. DATE OF RFC 8/7/84					
TELEPHONE NO. (ORIGINATOR) (408) 738-2888 x4679					
DOCUMENT(S) NAME(S) FBIS Modernization Requirements					
NUMBER(S) SDS-002					
NEED FOR CHANGE:					
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DESCRIPTION OF CHANGE:					
See Attached					
MCCB DECISION:					
MEMBER	NAME	CONCUR	REJECT	WITHDRAW	DATE
C/E&PS					
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C/SDS CHAIRMAN					

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RFC 004-0029 -----

Title: Addition bureau general requirements

SDS-002 Section: 2.1 General Requirements

SDS-002 Subtitle: new paragraph

Proposed Change: add the following paragraph

"System requirements must include:

- on-site training for monitors
- ease of use
- equipment must be capable of operating in the physical environment of the bureaus
- no single point failure in the FBIS system shall cause irretrievable loss or contamination of data
- provide processing, file storage and hardcopy output redundancy such that a single point system failure will not preclude generation of hardcopy listings of files from the electronic data base to support manual operation of FBIS "
- one-time keying of text
- upgradable by stand alone segments (modules)
- designed as not to preclude future addition of sending and receiving video
- electrical and mechanical design shall provide an expected useful lifetime of 10 (TBR) years after turn over"

Reason: Needed requirements to constrain design

*my sect see S.D.W*

<b>R</b> REQUEST FOR CHANGE		TITLE: See Attached			
RFC NO. 004-031		DATE LOGGED 8/10/84			
MCCB DECISION:		DATE APPROVAL REQUIRED _____			
<ul style="list-style-type: none"> <li>• IMPLEMENT . . . . . <input type="checkbox"/></li> <li>• IMPLEMENT WITH MODIFICATION <input type="checkbox"/></li> <li>• REJECT . . . . . <input type="checkbox"/></li> <li>• WITHDRAW . . . . . <input type="checkbox"/></li> </ul>		IMPACT IF NOT MET: _____			
PROPONENT OF CHANGE (ORGANIZATION):		ESL			
APPROVAL FOR SUBMITTAL (ORG. MGR. OR DESIGNEE):		R. C. Dahlberg <i>RW</i>			
ORIGINATOR (NAME)		S. J. Mazzone			
PREP. DATE OF RFC		8/7/84			
TELEPHONE NO. (ORIGINATOR)		(408) 738-2888 x4679			
DOCUMENT(S) NAME(S)		FBIS Modernization Requirements			
NUMBER(S)		SDS-002			
NEED FOR CHANGE:					
See Attached					
DESCRIPTION OF CHANGE:					
See Attached					
MCCB DECISION:					
MEMBER	NAME	CONCUR	REJECT	WITHDRAW	DATE
C/E&PS					
C/OPS					
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SI		--	--	--	
C/SDS CHAIRMAN					

RFC 004-<sup>31</sup>~~030~~ -----

Title: Automated broadcast reception/recording design flexible

SDS-002 Section: 2.2 Collection Requirements

SDS-002 Subtitle: 1. Radio Broadcast, Automation of the reception

Proposed Change: replace automated radio/TV reception/recording with a general requirement to provide a flexible design that can accomodate special modernization requirements of individual bureaus; or further future modernization."

Reason: Needed change in requirements to provide design flexibility

*ACCEPT*



**R** EQUEST FOR CHANGE TITLE: See Attached

RFC NO. 004-032 DATE LOGGED 8/10/84

MCCB DECISION:

- . IMPLEMENT . . . . .
- . IMPLEMENT WITH MODIFICATION
- . REJECT . . . . .
- . WITHDRAW . . . . .

DATE APPROVAL REQUIRED \_\_\_\_\_  
 IMPACT IF NOT MET: \_\_\_\_\_  
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PROPONENT OF CHANGE (ORGANIZATION): ESL

APPROVAL FOR SUBMITTAL (ORG. MGR. OR DESIGNEE): R. C. Dahlberg *RD*

ORIGINATOR (NAME) S. J. Mazzoni

PREP. DATE OF RFC 8/7/84

TELEPHONE NO. (ORIGINATOR) (408) 738-2888 x4679

DOCUMENT(S) NAME(S) FBIS Modernization Requirements

NUMBER(S) SDS-002

NEED FOR CHANGE:

See Attached

DESCRIPTION OF CHANGE:

See Attached

MCCB DECISION:

MEMBER	NAME	CONCUR	REJECT	WITHDRAW	DATE
C/E&PS					
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C/SDS CHAIRMAN					

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RFC 004-031 -----

Title: Replace Processing section title and contents

SDS-002 Section: 2.3 Processing

SDS-002 Subtitle: Location and retrieval goals

Proposed Change: (1) move Location and retrievals goals paragraph to section 2.5; (2) rename section to "Man Machine Interface" (3) delete remainder of paragraph and (4) add the following sentence

"See section 1.2

Reason: put data base requirement into proper section, add need man-machine interface constraints

*M. J. ...*

**R** EQUEST FOR CHANGE TITLE: See Attached

RFC NO. 004-033 DATE LOGGED 8/10/84

MCCB DECISION:

- . IMPLEMENT
- . IMPLEMENT WITH MODIFICATION
- . REJECT
- . WITHDRAW

DATE APPROVAL REQUIRED \_\_\_\_\_  
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PROPONENT OF CHANGE (ORGANIZATION): ESL

APPROVAL FOR SUBMITTAL  
 (ORG. MGR. OR DESIGNEE): R. C. Dahlberg *RC*

ORIGINATOR (NAME) S. J. Mazzoni

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DOCUMENT(S)

NAME(S) FBIS Modernization Requirements

NUMBER(S) SDS-002

NEED FOR CHANGE:

See Attached

DESCRIPTION OF CHANGE:

See Attached

MCCB DECISION:

MEMBER	NAME	CONCUR	REJECT	WITHDRAW	DATE
C/E&PS					
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CHAIRMAN					

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RFC 004-032 -----

Title: Add Text Processing to Bureau requirements

SDS-002 Section: 2.5 Data Bases & User Support

SDS-002 Subtitle: none

Proposed Change: add 1.7 to reference statement

"(See 1.4, 1.5, 1.6 and 1.7)

Reason: Needed to add text processing requirements for the bureau

good

**R** REQUEST FOR CHANGE

TITLE: See Attached

RFC NO. 004-034

DATE LOGGED 8/10/84

MCCB DECISION:

- . IMPLEMENT . . . . .
- . IMPLEMENT WITH MODIFICATION
- . REJECT . . . . .
- . WITHDRAW . . . . .

DATE APPROVAL REQUIRED \_\_\_\_\_  
 IMPACT IF NOT MET: \_\_\_\_\_  
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PROPONENT OF CHANGE (ORGANIZATION): ESL

APPROVAL FOR SUBMITTAL  
 (ORG. MGR. OR DESIGNEE): R. C. Dahlberg *RCD*

ORIGINATOR (NAME) S. J. Mazzoni

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DOCUMENT(S)

NAME(S) FBIS Modernization Requirements

NUMBER(S) SDS-002

NEED FOR CHANGE:

See Attached

DESCRIPTION OF CHANGE:

See Attached

MCCB DECISION:

MEMBER	NAME	CONCUR	REJECT	WITHDRAW	DATE
C/E&PS					
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CHAIRMAN					

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RFC 004-0033 -----

Title: Automatic combination of multi-take messages

SDS-002 Section: 2.6 Message Traffic Support

SDS-002 Subtitle: Message addressing goals

Proposed Change: change the fourth item to read as follows:

"-the system should automatically break long messages into multiple takes and provide necessary header information for each take. ~~The operator should pass the entire file to the message processor without indicating break points, first page or last page. The system must automatically combine takes and store received multi-take messages into a data base file.~~"

Reason: needed requirement which is not stated

ACCEPT

**R** EQUEST FOR CHANGE TITLE: See Attached

RFC NO. 004-035 DATE LOGGED 8/10/84

MCCB DECISION:

- . IMPLEMENT . . . . .
- . IMPLEMENT WITH MODIFICATION
- . REJECT . . . . .
- . WITHDRAW . . . . .

DATE APPROVAL REQUIRED \_\_\_\_\_  
 IMPACT IF NOT MET: \_\_\_\_\_  
 \_\_\_\_\_  
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PROPONENT OF CHANGE (ORGANIZATION): ESL

APPROVAL FOR SUBMITTAL (ORG. MGR. OR DESIGNEE): R. C. Dahlberg *RCD*

ORIGINATOR (NAME) S. J. Mazzoni

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TELEPHONE NO. (ORIGINATOR) (408) 738-2888 x4679

DOCUMENT(S)

NAME(S) FBIS Modernization Requirements

NUMBER(S) SDS-002

NEED FOR CHANGE:

See Attached

DESCRIPTION OF CHANGE:

See Attached

MCCB DECISION:

MEMBER	NAME	CONCUR	REJECT	WITHDRAW	DATE
C/E&PS					
C/OPS					
C/PROD					
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DC/SDS					
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SI		--	--	--	
C/SDS CHAIRMAN					

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RFC 004-0034 -----

Title: Automatic next message selection

SDS-002 Section: 2.6 Message Traffic Support

SDS-002 Subtitle: Precedence/priority handling goals

Proposed Change: change first item to read as follows:

"-automatic next message selection for display and editing according to predefined precedence levels. An operator may override this automatic selection to view and edit any message. "

Reason: make requirement clearly indicate the system decides what message an operator should process next. This should provide efficient message processing.

*reject*