UNISYS

SYSTEM MAINTENANCE PACKAGE DOCUMENT

FOR S80 MODELS 3-6,8,10,15,20

DOCUMENT NO. SMPD 13C

NOVEMBER, 1991

70057211-000

CONTENTS

1. INTRODUCTION

SMP13C is available upon request to all customers registered on SURETY or an active OS/3 13.1 maintenance plan.

Once this SMP is installed, all UCFs and contacts with Customer Support Center, Blue Bell, should reference System Release Level 13.1.2C.

1.1 SMP CONCEPT

Each SMP is unique and sequential. System Maintenance Changes (SMCs) in an SMP are not repeated in a subsequent SMP. You must apply each SMP to be able to apply future SMPs. Hence, SMP13B must be applied prior to applying SMP13C.

The SMP application process selects SMCs applicable to your software level and automatically applies them. SMCs which have already been applied to your system are automatically bypassed.

SMCs contained in an SMP are candidates for inclusion in the next OS/3 13.1 media update. Documentation changes will be included in a later revision of the release documentation.

1.2 SMP MEDIA NAMING CONVENTION

1.2.1 SMP NUMBER

SMPs are identified by the following naming convention:

SMPrrl

Where: rr is the major release number
l is the SMP identification character

For example, this SMP is SMP13C.

1.2.2 MEDIA VSN

SMP distribution is through Corporate Software and Publications Operations. SMPs are distributed on diskette for all SYSTEM 80 models.

Volume Serial Numbers have the following naming convention:

SMrrls

Where: SM = fixed characters
rr = numeric release level
l = alpha SMP identification character
s = numeric diskette sequence identification character

For example, the VSN of the diskette for SMP13C is SM13C1.

2. SOFTWARE LEVEL

Current level of the OS/3 13.1 System:

	DATE
o Release 13.1 FCS	June, 1990
o Release 13.1 SMP13A	November, 1990
o Release 13.1 SMP13B Includes Broadcast B13A SMC.	May, 1991
o Release 13.1 SMP13C	November, 1991

3. RELEASE PACKAGE

3.1 INPUT MEDIA

MEDIA	VSN	FORMAT	CONTENTS
SMP13C DOCUMENT	N/A	N/A	SMP13C DESCRIPTION INFORMATION
2 DISKETTES (8420)	SM13C1 SM13C2	SMC SMC	DISKETTE CONTAINING SYSTEM MAINTENANCE CHANGES (SMCs)

3.2 APPLICATION TIME

Application time will vary depending upon the amount of cache memory assigned and the number of program products installed. The approximate time required to apply all SMCs in this SMP is:

SYSTEM 80	Model 6	CACHE= 256	127 Mins.
SYSTEM 80	Model 20	CACHE=2048	75 Mins.

3.3 SPACE REQUIREMENTS

The following table details the maximum number of cylinders required to install SMP13C.

DEVICE TYPE	CYLINDERS REQUIRED WITHOUT BACKOUT	ADDITIONAL CYLINDERS REQUIRED FOR BACKOUT USAGE
8417	18	24
8419	41	49
8433	33	36
8470	14	14
8494	10	9
9720	10	13

3.4 PRE-INSTALLATION PREPARATION

It is a good practice before applying any SMP to do file maintenance on your resident device. The type of file maintenance appropriate to your environment depends on the resident device type that you are using.

Before applying the SMP, it is recommended that certain files be erased prior to installation. These files include SMCBSAT, SMCBMIR, SMCBTRAN and the SMCFILE. It is recommended that these files are erased by running RV SMC,,B=INIT. Using RV SMC,,B=INIT will assure that your backout files are correctly reinitialized the next time SMC is run.

A SETREL/COPYREL to copy files to another device may also be required if sufficient space is not achieved by erasing the above backout and/or user-created files. The SETREL/COPYREL process recovers space in files lost due to SMC/SMP application. If the SETREL/COPYREL must be done, a Librarian B056 error will occur on the SMCFILE. This error will be corrected during SMP application.

An alternative to SETREL/COPYREL is to place your backout files on an alternate device.

3.5 SMP13C INSTALLATION

- Be certain your system is backed up.

- Do not multiprogram.

- IPL the system so you are running with SY@BAS on System 80 Models 3-6, SY#BAS on Model 8, or SY$BAS on Models 10,15,20 (basic supervisor), even if you are already operating under that supervisor.

  If you must use your own supervisor, it must be generated with:

  - at least two job slots
  - timer support
  - RESBUFSIZE = 500 and EXPREGION = 4096

- If you have spooling, you can reduce the amount of printer output by suppressing the printing of header pages. To do this, enter on the console:

  ```
  SE SPL,NOH
  ```

- Do not hold the job queue.

- The mix of SMCs in this SMP require turning Memory Consolidation and Job Immovability off during SMP installation and System Generations. To do this enter:

```
SE IM,OFF
SE MC,OFF
```

- Reinitialize SMC Backout files.

```
RV SMC,,B=INIT
```

NOTE: To place your backout files on your alternate disk, key in:

```
RV SMC,,B=(A,xxxxxx)
```

Where B = optional parameter for alternate disk usage
A = allows backup for an alternate disk
xxxxxx = the VSN of the alternate disk

- Mount the SMP input media.

```
RV SMC,,INPUT=(DKD,SM13C1)
```

- When prompted: **MOUNT DEV=nnn VSN=SM13C2**
  mount second diskette with the label of SM13C2.

- Review the Audit Trail report for any special instructions or information regarding problems encountered.

****
*** Once the SMP is installed, make sure all supervisors and ICAMs are ***
*** are regenerated before you re-IPL. ***
****

- You must IPL using the "S" (Standard) option in order to update the symbiont directory table.

3.6 SMC COLUMN INFORMATION

The table in Attachment A lists all SMCs contained in SMP13C in SMC number order.

The column headings are defined as follows:

SMC NUMBER — System Maintenance Change Number having the following naming convention:

Crrnnnn

Where rr = Release
nnnn = SMC Sequence Number

SYS — System applicability indicator. If "S" applies to SYSTEM 80 Model 3-6 only. If "8" applies to SYSTEM 80 Models 7E, 8, 10, 15, 20 only. If "T" applies to SYSTEM 80 Models 3-6, 8, 10, 15, 20 only. If blank, this equates to "C" used in the SMC description and applies to all SYSTEM 80 models.

COMP NUM. — Four-character software component number of the product to which the change applies.

COMPONENT NAME — Name associated with the software component number.

REGENERATION — Type of software regeneration required:

S-I-N-L-C-M-D

Where S = Supervisor
I = ICAM
N = NTR
L = RE-LINK OF ICAM
C = COBOL CMCS
M = IMS
D = DMS

PRODUCT NUMBER — Unisys assigned product number.

ATTACHMENT A

SMCs CONTAINED IN SMP13C

SMCS IN SMP13C LISTED BY SMC NUMBER

SMC NUMBER	SYS	COMP NUM	COMPONENT NAME	REGENERATION S-I-N-L-C-M-D
C130808		A850	DATA MANAGEMENT SYSTEMS (DMS)	
C131042		A171	PLUS - RUN-TIME MODULES	
C131043		A171	PLUS - RUN-TIME MODULES	
C131067		A110	ASSEMBLER	
C131203		A720	DUMP RESTORE (DMPRST)	
C131204		A720	DUMP RESTORE (DMPRST)	
C131256		A720	DUMP RESTORE (DMPRST)	
C131323		A208	MIRAM DATA MANAGEMENT	
C131331		A304	ICAM- DDI - DMI WORK STATION	L
C131354		A850	DATA MANAGEMENT SYSTEMS (DMS)	
C131386		A308	ICAM- PDN (PACKET SWITCH)	L
C131387		A308	ICAM- PDN (PACKET SWITCH)	L
C131388		A308	ICAM- PDN (PACKET SWITCH)	L
C131389		A308	ICAM- PDN (PACKET SWITCH)	L
C131392		A308	ICAM- PDN (PACKET SWITCH)	L
C131394		A500	GENERAL JOB CONTROL	
C131395		A803	MULTI-THREAD ON-LINE IMS	M
C131408		A862	DATA BASE MGMT SYSTEMS (DBMS)	
C131413		A311	ICAM- CORE-DISC QUEUEING	L
C131415		A450	LINKER	
C131420		A304	ICAM- DDI - DMI WORK STATION	L
C131421		A862	DATA BASE MGMT SYSTEMS (DBMS)	
C131422		A862	DATA BASE MGMT SYSTEMS (DBMS)	
C131425		A862	DATA BASE MGMT SYSTEMS (DBMS)	
C131426		A850	DATA MANAGEMENT SYSTEMS (DMS)	
C131430		A400	DATA UTILITIES (DATA)	
C131432		A011	SCREEN FORMAT COORDINATOR	
C131437		A208	MIRAM DATA MANAGEMENT	
C131439		A023	OPERATOR INPUT PROCESSING	S
C131442		A000	PIOCS	S
C131443		A862	DATA BASE MGMT SYSTEMS (DBMS)	
C131445		A010	SPOOLER, INITZ, TRANSIENTS	S
C131447		A803	MULTI-THREAD ON-LINE IMS	M
C131448	8	A803	MULTI-THREAD ON-LINE IMS	M
C131449		A803	MULTI-THREAD ON-LINE IMS	M
C131450		A015	WORKSTATION MANAGER	S
C131451		A009	OUT WRITER, INP RDR, SPL CMDS	
C131453		A317	ICAM- STANDARD MCP-TCI	L
C131454		A317	ICAM- STANDARD MCP-TCI	L
C131455		A050	SYSTEM UTILITY (SU) SYMBIONT	
C131456		A329	ICAM- REMOTE TERM HANDLER	
C131458		A450	LINKER	
C131459		A201	SAT DATA MANAGEMENT	
C131460		A011	SCREEN FORMAT COORDINATOR	
C131462		A304	ICAM- DDI - DMI WORK STATION	L

SMCS IN SMP13C LISTED BY SMC NUMBER

SMC NUMBER	SYS	COMP NUM	COMPONENT NAME	REGENERATION S-I-N-L-C-M-D
C131463		A020	GENERAL SUPERVISOR	S
C131465		A310	ICAM- ACTIVITY-RESOURCE MGT.	
C131466		A309	ICAM- 2780-BSC-UDLC HANDLERS	L
C131467		A330	ICAM- SYSTEM GENERATION	
C131470		A023	OPERATOR INPUT PROCESSING	S
C131471		A300	COMMUNICATIONS (ICAM)	L
C131472		A300	COMMUNICATIONS (ICAM)	L
C131473		A710	DUMP FACILITY SYSDUMP-JOBDUMP	
C131475		A710	DUMP FACILITY SYSDUMP-JOBDUMP	
C131476		A000	PIOCS	S
C131477		A000	PIOCS	S
C131478		A014	WSAM	
C131479		A014	WSAM	
C131481		A510	RUN PROCESSOR	
C131482		A500	GENERAL JOB CONTROL	
C131483		A450	LINKER	
C131489		A312	ICAM- DUST	L
C131490		A700	SYSTEM GENERATION (SYSGEN)	
C131491		A700	SYSTEM GENERATION (SYSGEN)	
C131496		A015	WORKSTATION MANAGER	S
C131498		A803	MULTI-THREAD ON-LINE IMS	M
C131501		A300	COMMUNICATIONS (ICAM)	L
C131503		A862	DATA BASE MGMT SYSTEMS (DBMS)	
C131505		A023	OPERATOR INPUT PROCESSING	S
C131507		A308	ICAM- PDN (PACKET SWITCH)	L
C131508		A308	ICAM- PDN (PACKET SWITCH)	L
C131509		A308	ICAM- PDN (PACKET SWITCH)	L
C131510		A325	ICAM- DATEX L PDN SUPPORT	L
C131511	8	A323	ICAM- CPIOCS (T. S. F.)	L
C131513		A009	OUT WRITER, INP RDR, SPL CMDS	
C131514		A701	SYSTEM INSTALLATION TOOLS	
C131516		A372	MLU MODULES	
C131518		A860	DBMS - SECURITY RESTORE UTIL.	
C131519		A012	SCREEN FORMAT GENERATOR	
C131525		8400	ON-LINE DIAGNOSTICS (OLM)	
C131526		A000	PIOCS	S
C131527		A000	PIOCS	S
C131528		A005	DISK CACHE	
C131529		A010	SPOOLER, INITZ, TRANSIENTS	S
C131530		A376	DDP - INTERPROCESS CONTROL	
C131531		A376	DDP - INTERPROCESS CONTROL	
C131533		A013	PCTRAN	
C131534		A000	PIOCS	
C131535		A720	DUMP RESTORE (DMPRST)	

SMCS IN SMP13C LISTED BY SMC NUMBER

SMC NUMBER	SYS	COMP NUM	COMPONENT NAME	REGENERATION S-I-N-L-C-M-D
C131536		A720	DUMP RESTORE (DMPRST)	
C131538		8401	SYSTEM ACTIVITY MONITOR (SAM)	
C131539		A040	MONITOR - GENERAL DEBUG AIDS	
C131540		A710	DUMP FACILITY SYSDUMP-JOBDUMP	
C131541	8	A020	GENERAL SUPERVISOR	S
C131543		A020	GENERAL SUPERVISOR	S
C131544		A311	ICAM- CORE-DISC QUEUEING	L
C131545		A500	GENERAL JOB CONTROL	
C131546		A208	MIRAM DATA MANAGEMENT	
C131548		A700	SYSTEM GENERATION (SYSGEN)	S
C131549		A372	MLU MODULES	
C131550		A120	RPG II	
C131551		A010	SPOOLER, INITZ, TRANSIENTS	
C131553		A317	ICAM- STANDARD MCP-TCI	L
C131555		A000	PIOCS	
C131560		A800	INFORMATION MGMT. SYS. (IMS)	M
C131564		A330	ICAM- SYSTEM GENERATION	
C131566		A803	MULTI-THREAD ON-LINE IMS	M
C131567	8	A803	MULTI-THREAD ON-LINE IMS	M
C131568		A862	DATA BASE MGMT SYSTEMS (DBMS)	
C131569		A311	ICAM- CORE-DISC QUEUEING	L
C131570		A312	ICAM- DUST	L
C131574		A329	ICAM- REMOTE TERM HANDLER	
C131575		A304	ICAM- DDI - DMI WORK STATION	L
C131577		A009	OUT WRITER, INP RDR, SPL CMDS	
C131578		A317	ICAM- STANDARD MCP-TCI	L
C131580		A328	ICAM- IBM 3270 INV TERM HAND	L
C131583		A300	COMMUNICATIONS (ICAM)	L
C131584		A300	COMMUNICATIONS (ICAM)	L
C131587		A800	INFORMATION MGMT. SYS. (IMS)	M
C131589		A020	GENERAL SUPERVISOR	S
C131596		A023	OPERATOR INPUT PROCESSING	S
C131597		A207	SPACE MANAGEMENT	
C131598		A020	GENERAL SUPERVISOR	
C131599		A312	ICAM- DUST	L
C131601		A312	ICAM- DUST	L
C131607		A382	DYNAMIC TERM MANAGEMENT	
C131611		A110	ASSEMBLER	
C131612		A110	ASSEMBLER	
C131613		A009	OUT WRITER, INP RDR, SPL CMDS	
C131614		A050	SYSTEM UTILITY (SU) SYMBIONT	
C131617		A325	ICAM- DATEX L PDN SUPPORT	L
C131618		A378	DDP - TRANSIENTS & MESSAGES	
C131619		A010	SPOOLER, INITZ, TRANSIENTS	
C131621		A015	WORKSTATION MANAGER	

SMCS IN SMP13C LISTED BY SMC NUMBER

SMC NUMBER	SYS	COMP NUM	COMPONENT NAME	REGENERATION S-I-N-L-C-M-D
C131626		A300	COMMUNICATIONS (ICAM)	I
C131629		A023	OPERATOR INPUT PROCESSING	S
C131635		A020	GENERAL SUPERVISOR	
C131637		2520	SYSTEM MAINT. PACKAGE (SMP)	
C131672		A020	GENERAL SUPERVISOR	

UNISYS ORDER NUMBER 1733

Ship from	Ship to 64716004
UNISYS CANADA INC. CANADIAN LOGISTICS CENTRE SOFTWARE DISTRIBUTION SCARBOROUGH, ONTARIO, M1S 5A9	DISTRICT OF *COQUITLAM 1111 BRUNETTE AVENUE COQUITLAM BRITISH COLUMBI V3K1E8 ATTN:

Mabil # 00204305

PRODUCT	LEVEL	DESCRIPTION	QTY	MEDIA	SHIP-B/O
S80-SMP	13.1.2	SMP 13C	1	027	

SHIP DATE 92 JAN 13 SIGNATURE JKeyser	EXPECTED DELIVERY DATE BY AIR (GROUND)	WAYBILL NO. CARRIER
PAGE 1 OF 1	NO. OF PIECES 1	WEIGHT 2 lbs