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PROGRAM NUMBER

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*JES2 printer
support extension*

BW 3 2 8 X

SHARE PROGRAM LIBRARY SUBMITTAL FORM



SPLA

CONTROL NUMBER: SHR00261

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This form should be completed and submitted with the program package to the SHARE Program Library Agency at the address shown above. Standards and instructions for submitting programs are in the SHARE Reference Manual, Section 6.

- (1) Program Number (to be filled by SPLA) 370D-05.0.006
- (2) Title of Program BW328X - JES2 printer support extension

- (3) System Type(s) (Machine). System 370
- (4) Search Key(s) JES2, 328x, SCS PRINTER,
HASPSNA

- (5) Programming Systems/Languages Assembler
- (6) Primary Subject Code 05.0
- (7) Minimum System Requirements MVS SP 1.3
- (8) New (N) or Revision (R) (if revision, show prior Program Number in Item 1) R
- (9) Date of Submittal 11/8/84
- (10) Documentation (number of original pages submitted) 34
- (11) Author's Name and Address Ole Reitzel Jensen
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- (12) Direct Technical Inquiries to Name & Address
(if different than Author) _____

- (13) Submitter's Installation Membership Code SEAS S193
- (14) Abstract (should contain sufficient information for a reader to determine the value of the program). Listed on the reverse side of this form are subjects which may serve as a guide for a descriptive abstract.

DISCLAIMER

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Subject Guide:

- a. Purpose
- b. Programming Language used
- c. Version and modification level or release number
- d. Field of application
- e. Type of routine (main program, subroutine, etc.)
- f. Specific description of machine requirements

This modification adds 328X print support to JES2. Every 328X printer is handled as a separate remote, with all the standard JES2 services available.

The modification contains small source updates to JES2 establishing an exit for the 328X support module. The support module is written in 370 assembler code.

The modification makes it possible to use small office printers as SYSOUT devices, the printers can be shared with other VTAM application programs (IMS, CICS, ADMPRINT). The 3287 support can also be used to control output printers of the type 3289/3262 as an alternative to 3770 type remotes. The support exit program has been tested with MVS SP 1.3.2, the documentation contains suggestions for JES2 SP2 systems.

This modification replaces an earlier version (SNA3287), it adds a number of features (colour, ps loading, LUO), and all SCS codes can now be used. Current release is 2.0.

(Please attach additional pages if necessary) Total pages attached _____

An "Acknowledgement of Assistance" statement must be attached to this Submittal Form.

Permission to Publish

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(15) Signature of Submitter and Date _____ November 9, 1984

(15) Signature of Installation Addressee _____

DISCLAIMER

The BW328X routine expands the JES2 print support to 328X type of printers (including 3287, 3286, 3262, 3268 and 8100 DPPX/DPCX bulk print).

The support is primary directed against SNA printers with SCS feature, but also non-SNA printers and printers with graphic capabilities are covered.

The code makes the 328X printers appear as standard one printer remotes with all the JES2 remote printer services available.

The 328X printers can be shared with other applications and the recovery scheme employed is designed to minimize the need for operator interaction.

The modifications to JES2 are modest (12 statements added), the 328X support functions is handled in a standard JES2 exit, gaining acces to all traffic between JES2 and VTAM. The total storage requirements for the modification is approx. 5K.

The code is developed for and testet on a JES2-SPl.3.2 system, it is an updated version of SNA3287 module developed for JES2-SPl.

The modification is distributed as source, 15 SMP control/update cards, 2250 assembly cards and 1650 text documentation cards.

Highlights - 328X JES2 support
- Full printer sharing
- PA/Cancel key support
- Enhanced recovery
- Apl text support
- Dynamic remote allocation
- Enhanced printer control (ASIS)
- Separate exit module
- 3286 support
- Graphic facilities

The work getting the 328X printers to act as JES2 output devices was first started by Copenhagen Handelsbank, Denmark. Later work was made by B&W Diesel, Denmark and Teamco, Norway.

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Distribution tape format

The source for the 328X modification is distributed on a standard label tape with volume serial

BW328X

The tape contains 4 files all with DCB parameters LRECL=80, BLKSIZE=7200, RECFM=FB .

File	dsname	contents
1	BW328X.F1	SMP for JES2 source updates
2	BW328X.F2	source for the BW328X module
3	BW328X.F3	documentation
4	BW328X.F4	3270 extended datastream sample

All files can be restores using the IEBGENER utility.

The documentation on file 3 contains lower case letters and ASA control characters (use FBA when printing).
The sample on file 4 contains both JCL statements and SYSIN records, the SYSIN records contains low values.