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```
STDLOADR ;standard O/S loader configuration
USRSOM ;user sign-on message
NITIMS ;hardware initialization
MPENIT ;memory parity initialization
;CON96 ;ascii console at 9600 baud
CON96/WP ;ascii console at 9600 baud (WP2000)
;
;SPD442 ;serial & parallel drivers for IMS 442 board
;
SPD630 ;serial & parallel driver for IMS 631/480 boards
SER630 ;serial driver for IMS 631 board
;
BRT4420 ;baud-rate tables for IMS 442/631 with oscillator
;
RTCIMS ;system clock driver
;
DSKTRAN ;disk driver translation interface
;
DSKF ;floppy disc driver
;DSKF8 ;disk specification tables for 8-inch diskettes
DSKF5 ;disk specification tables for 5-inch diskettes
;
;-- NOTE: Only one hard disk drivers may be included.--
;
DSKW ;disk driver for 8" and 5" winchester
;
;
;-- Specification tables for 5" winchester --
;
;DSKW5A1 ; 5 MB Winchester spec. tables 1 logical device
;
;DSKW5G1 ; 24 MB Winchester spec. tables 1 logical device
;DSKW5G3 ; 24 MB Winchester spec. tables 3 logical device
;
;DSKW5L1 ; 10 MB Winchester spec. tables 1 logical device
DSKW5L2 ; 10 MB Winchester spec. tables 2 logical device
;
;-- 1. Device = Wechselplatte, 2. bis 6. Device Festplatte
;
;DSK490 ;disk driver for IMS 490 with AMPEX CMD
;DSKFMT1 ;disk specification tables for AMPEX CMD 6*16 MB device
;
```

Handwritten marks on the left margin: a large 'C' shape, a smaller 'C' shape, and a 'D' shape.

USRSOM = 1A, "TurboDOS 1.31\$" (2)

```

;-----
;
;SRT431 = 1           ;1 ms step rate
;SRT401 = 3           ;3 ms step rate
;FFCHR = 1A          ;clear screen at cold start
;CPMVER = 31         ;CP/M BDOS version
;CONBR = OCE         ;console handshaking active
;
;SCANDN = OFFH       ;scan from drive p to a (streamer loadr.)
;
;--Zuweisungstabelle fuer 2 Disketten 8"(A,B)
;
;DSKAST = 00,DSKDRA,01,DSKDRA
;
;-- 2 Disketten 8"(A,B) + 96 MB Phoenix (Wechselpl C, Festplatten D,E,F,G,H), 1 Disk. 5"
;  Achtung ! 5" Laufwerk als zweites physikalisches Device gesteckt
;
;DSKAST = 00,DSKDRA,01,DSKDRA,00,DSKDRC,01,DSKDRC,02,DSKDRC,03,DSKDRC,04,DSKDRC,05,DSKDRC
;
;-- 96 MB Phoenix (Festplatten A,B,C,D,E, Wechselplatte F), 2 Disketten (G,H)
;
;DSKAST = 01,DSKDRC,02,DSKDRC,03,DSKDRC,04,DSKDRC,05,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRA
;
;-- 32 MB Phoenix (Festplatte A, Wechselplatte B), 2 Disketten (C,D)
;
;DSKAST = 01,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRA
;
;-- 32 MB Phoenix (Festplatte A, Wechselplatte B), 2 Disketten 8"(C,D), 1 Diskette 5"(E)
;  Achtung ! 5" Laufwerk als zweites physikalisches Device gesteckt
;
;DSKAST = 01,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRA,05,DSKDRA
;
;--1 Winchester (A), 2 Disketten 5" (B,C)
;
;DSKAST = 04,DSKDRB,00,DSKDRA,01,DSKDRA
;
;--1 Winchester 10 MB (A,B), 2 Disketten 5" (C,D)
;
;DSKAST = 04,DSKDRB,05,DSKDRB,00,DSKDRA,01,DSKDRA
;
;--1 Winchester 24 MB (A,B,C), 2 Disketten 5" (D,E)
;
;DSKAST = 04,DSKDRB,05,DSKDRB,06,DSKDRB,00,DSKDRA,01,DSKDRA
;
;--1 Winchester 24 MB (A,B,C), 1 Diskette 5" (D), 1 Diskette 8" (E)
;
;DSKAST = 04,DSKDRB,05,DSKDRB,06,DSKDRB,04,DSKDRA,00,DSKDRA
;
;--2 Disketten 5" (A,B)
;
;DSKAST = 00,DSKDRA,01,DSKDRA
;
;--1 Diskette 5" (A), 1 Winchester (B),1 Diskette 5" (C)
;
;DSKAST = 00,DSKDRA,04,DSKDRB,01,DSKDRA
;
;--1 Diskette 5" (A), 1 Winchester 24 MB (B,C,D)
;
;DSKAST = 00,DSKDRA,04,DSKDRB,05,DSKDRB,06,DSKDRB
;
;--1 Diskette 5" (A), 1 Winchester 10 MB (B,C)
;
;DSKAST = 00,DSKDRA,04,DSKDRB,05,DSKDRB
;
;

```

```

;
STDLOADR      ;standard O/S loader configuration
USRSOM        ;user sign-on message
NITIMS        ;hardware initialization
MPENIT        ;memory parity initialization
;CON96        ;ascii console at 9600 baud
CON96/WP      ;ascii console at 9600 baud (WP2000)
;
SPD442        ;serial & parallel drivers for IMS 442 board
;
;SPD630       ;serial & parallel driver for IMS 631/480 boards
;SER630       ;serial driver for IMS 631 board
;
BRT4420       ;baud-rate tables for IMS 442/631 with oscillator
;
RTCIMS        ;system clock driver
;
DSKTRAN       ;disk driver translation interface
;
DSKF          ;floppy disc driver
DSKF8         ;disk specification tables for 8-inch diskettes
;DSKF5        ;disk specification tables for 5-inch diskettes
;
;-- NOTE: Only one hard disk drivers may be included.--
;
DSKW          ;disk driver for 8" and 5" winchester
;
;
;-- Specification tables for 5" winchester --
;
DSKW5A1       ; 5 MB Winchester spec. tables 1 logical device
;
DSKW5G1       ; 24 MB Winchester spec. tables 1 logical device
;DSKW5G3      ; 24 MB Winchester spec. tables 3 logical device
;
DSKW5L1       ; 10 MB Winchester spec. tables 1 logical device
;DSKW5L2      ; 10 MB Winchester spec. tables 2 logical device
;
;-- 1. Device = Wechselplatte, 2. bis 6. Device Festplatte
;
DSK490        ;disk driver for IMS 490 with AMPEX CMD
DSKFMTTC1    ;disk specification tables for AMPEX CMD 6*16 MB device
;

```

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```
USRSOM = 1A,"TurboDOS 1.31$"
```

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```
;SRT431 = 1 ;1 ms step rate
;SRT401 = 3 ;3 ms step rate
;FFCHR = 1A ;clear screen at cold start
;CPMVER = 31 ;CP/M BDOS version
;CONBR = OCE ;console handshaking active
;
;SCANDN = OFFH ;scan from drive p to a (streamer loadr.)
;
;--Zuweisungstabelle fuer 2 Disketten 8"(A,B)
;
;DSKAST = 00,DSKDRA,01,DSKDRA
;
;-- 2 Disketten 8"(A,B) + 96 MB Phoenix (Wechselpl C, Festplatten D,E,F,G,H), 1 Diskette 5
; Achtung ! 5" Laufwerk als zweites physikalisches Device gesteckt
;
;DSKAST = 00,DSKDRA,01,DSKDRA,00,DSKDRC,01,DSKDRC,02,DSKDRC,03,DSKDRC,04,DSKDRC,05,DSKDRC
;
;-- 96 MB Phoenix (Festplatten A,B,C,D,E, Wechselplatte F), 2 Disketten (G,H)
;
;DSKAST = 01,DSKDRC,02,DSKDRC,03,DSKDRC,04,DSKDRC,05,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRA
;
;-- 32 MB Phoenix (Festplatte A, Wechselplatte B), 2 Disketten (C,D)
;
;DSKAST = 01,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRA
;
;-- 32 MB Phoenix (Festplatte C, Wechselplatte D), 2 Disketten (A,B)
;
;DSKAST = 00,DSKDRA,01,DSKDRA,01,DSKDRC,00,DSKDRC
;
;-- 32 MB Phoenix (Festplatte A, Wechselplatte B), 2 Disketten 8"(C,D), 1 Diskette 5"(E)
; Achtung ! 5" Laufwerk als zweites physikalisches Device gesteckt
;
;DSKAST = 01,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRA,05,DSKDRA
;
;--1 Winchester (A) 2 Disketten 5" (B,C)
;
;DSKAST = 04,DSKDRB,00,DSKDRA,01,DSKDRA
;
;--1 Winchester 10 MB (A,B), 2 Disketten 5" (C,D)
;
;DSKAST = 04,DSKDRB,05,DSKDRB,00,DSKDRA;,01,DSKDRA
;
;--1 Winchester 24 MB (A,B,C), 2 Disketten 5" (D,E)
;
;DSKAST = 04,DSKDRB,05,DSKDRB,06,DSKDRB,00,DSKDRA,01,DSKDRA
;
;--1 Winchester 24 MB (A,B,C), 1 Diskette 5" (D), 1 Diskette 8" (E)
;
;DSKAST = 04,DSKDRB,05,DSKDRB,06,DSKDRB,04,DSKDRA,00,DSKDRA
;
;--2 Disketten 5" (A,B)
;
;DSKAST = 00,DSKDRA,01,DSKDRA
;
;--1 Diskette 5" (A), 1 Winchester (B),1 Diskette 5" (C)
;
;DSKAST = 00,DSKDRA,04,DSKDRB,01,DSKDRA
;
;--1 Diskette 5" (A), 1 Winchester 24 MB (B,C,D)
;
;DSKAST = 00,DSKDRA,04,DSKDRB,05,DSKDRB,06,DSKDRB
;
;--1 Diskette 5" (A), 1 Winchester 10 MB (B,C)
;
;DSKAST = 00,DSKDRA,04,DSKDRB,05,DSKDRB
;
;-- 2 Winchester 5 MB(A,B) ,1 Diskette 5"(C)
;
```

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;DSKAST = 04,DSKDRB,05,DSKDRB,00,DSKDRA
;

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;-----
;
STDSINGL      ;standard single-user w/o spooling configuration
USRSOM        ;user sign-on message
NITIMS        ;hardware initialization
;
FASLOD        ;loader optimizer
MPENIT        ;parity init.
;
;CON96        ;ascii console at 9600 baud
CON96/WP      ;ascii console at 9600 baud (WP2000)
;LST300       ;Printer with no handshaking,          300 baud, Teletype 43
;LSTCTS       ;Printer with CTS handshaking,          9600 baud, TI-810
;LSTETX       ;Printer with ETX/ACK handshaking,    1200 baud, NEC 5510
;LSTXON       ;Printer with X-ON/X-OFF handshaking, 1200 baud, Diablo 630
LSTIMS        ;Printer driver for Centronics parallel
;LSTNEC       ;Printer driver for NEC 5500D, NEC 7700D
;LSTASF       ;Printer driver for NEC 5500D, NEC 7700D with ASF
;
;SPD442       ;serial & parallel drivers for IMS 442 BOARD
;
SPD630        ;serial & parallel driver for IMS 631/480 boards
SER630        ;serial driver for IMS 631 board
;
BRT4420       ;baud rate tables for IMS 442/631 with oscillator
;
RTCIMS        ;system clock driver
;
DSKTRAN       ;disk driver translation interface
;
DSKF          ;disk driver
;DSKF8        ;disk specification tables for 8" diskettes
DSKF5         ;dsk spec. for 5" disk.
;
;-- NOTE: Only one hard disk drivers may be included.--
;
DSKW          ;disk driver for 8" and 5" winchester
;
;-- Specification tables for 5" winchester --
;
;DSKW5A1      ; 5 MB Winchester spec. table 1 logical unit
;
;DSKW5G1      ; 24 MB Winchester spec. table 1 logical unit
;DSKW5G3      ; 24 MB Winchester spec. table 3 logical unit
;
;DSKW5L1      ; 10 MB Winchester spec. table 1 logical unit
DSKW5L2 ; 10 MB Winchester spec. table 2 logical unit
;
;DSK490       ;disk driver for IMS 490 with AMPEX CMD
;DSKFMTCD     ;disk specification tables for AMPEX CMD
;

```

```

;-----
;
USRSOM = 1A,"1.30 - Singel o.Spooler $"
;-----

```

```

AUTUSR = 80          ;auto log-on to user 0, privileged
CPMVER = 31         ;CP/M BDOS version
COMPAT = 0B8       ;compatibility flags
SRT431 = 1         ;1 ms step rate
;SRT401 = 3        ;3 ms step rate
ATNCHR = "^$"     ;attention char. re-assigned to control-§
CLPCHR = "="      ;command prompt
CONBR = 0CE       ;console handshaking active
FFCHR = 1A        ;clear screen at cold start
SRHDRV = OFF      ;search system drive for command file
PRTMOD = 0        ;print mode (direct)
PTRAST = 00       ;printer assignment table (local channel 1)
;

```

```

; Zuweisungstabelle von Loader und Singel muss gleich sein
; =====

```

```

;--2 Disketten 8" (A,B)
;

```

```

;DSKAST = 00,DSKDRA,01,DSKDRA
;

```

```

;--2 Disketten 8" (A,B), + 96 MB Phoenix (Wechselpl C, Festpl. D,E,F,G,H ), 5" Disk (I)
;

```

```

;DSKAST = 00,DSKDRA,01,DSKDRA,00,DSKDRC,01,DSKDRC,02,DSKDRC,03,DSKDRC,04,DSKDRC,05,DSKDRC
;

```

```

;--1 Winchester (A), 2 Disketten 5" (B,C)
;

```

```

;DSKAST = 04,DSKDRB,00,DSKDRA,01,DSKDRA
;

```

```

;--2 Disketten 5" (A,B)
;

```

```

;DSKAST = 00,DSKDRA,01,DSKDRA
;

```

```

;--1 Diskette 5" (A), 1 Winchester (B), 1 Diskette 5" (C)
;

```

```

;DSKAST = 00,DSKDRA,04,DSKDRB,01,DSKDRA
;

```

```

;--1 Diskette 5" (A), 1 Winchester 24 MB (B,C,D)
;

```

```

;DSKAST = 00,DSKDRA,04,DSKDRB,05,DSKDRB,06,DSKDRB
;

```

```

;--1 Dskette 5" (A), 1 Winchester 10 MB (B,C)
;

```

```

;DSKAST = 00,DSKDRA,04,DSKDRB,05,DSKDRB
;

```

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```
;-----
;
STDMASTR ;standard network master configuration
USRSOM ;user sign-on message
NITIMS ;hardware initialization
;
FASLOD ;program loader optimizer in non-banked systems
MPENIT ;memory parity initialization
;
CONREM ;remote ascii console through network
;
;Bei Streamerbetrieb alle Drucker raus !
;
;LST300 ;Printer with no handshaking, 300 baud, Teletype 43
LSTCTS ;Printer with CTS handshaking, 9600 baud, TI-810
;LSTETX ;Printer with ETX/ACK handshaking, 1200 baud, NEC 5510
;LSTXON ;Printer with X-ON/X-OFF handshaking, 1200 baud, Diablo 630
;LSTIMS ;Printer driver for Centronics parallel
;LSTNEC ;Printer driver for NEC 5500D, NEC 7700D
LAFNEC ;Drucker Treiber fuer NEC 3500D, NEC 5500D, NEC 7700D mit Einzelblatt-
; ;zufuehrung ein Schacht
;SPD442 ;serial & parallel driver for IMS 442 BOARD
;
SPD630 ;serial & parallel driver for IMS 631/480 boards
SER630 ;serial driver for 631 board
;
BRT4420 ;baud rate tables for IMS 442/631 with oscillator
;
RTCIMS ;system clock driver
MCD100I1 ;master network driver for IMS 740 boards via S100 bus
; ;slave 8/16 Bit
DSKTRAN ;disk driver transl. interface
;
DSKF ;disk driver
;DSKF8 ;disk spec. for 8-inch
DSKF5 ;disk spec. for 5-inch
;
;-- NOTE: Only one hard disk drivers may be included.--
;
DSKW ;disk driver for 8" and 5" winchester
;
;-- Specification tables for 5" winchester --
;
;DSKW5A1 ; 5 MB, 1 logical device
;
;DSKW5G1 ; 24 MB, 1 logical device
;DSKW5G3 ; 24 MB, 3 logical device
;
;DSKW5L1 ; 10 MB, 1 logical device
DSKW5L2 ; 10 MB, 2 logical device
;
;DSK490 ;disk driver for IMS 490 with AMPEX CMD
;DSKFMTC1 ;disk specification tables for AMPEX CMD
;
PATCH1 ;PATCH AREA 256 BYTES
;
```


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```

;-----
USRSOM = 1A,"TurboDOS 1.31 - Master$"
;-----

```

```

AUTUSR = 80          ;auto logon user 0 privileget
MEMRES = 400        ;save 2KB for O/S
SRT431 = 1          ;1 ms step rate
;SRT401 = 3         ;3 ms step rate
ATNCHR = "^$"      ;attention char. re-assigned to control-§
CLPCHR = "="       ;command prompt
SRHDRV = OFF        ;search system drive for command file
CPMVER = 31         ;CP/M BDOS version
COMPAT = 0B8        ;file/record locking compatibility flags
;XONFF = 00         ;Fuer Einzelblattzufuehrung bei NEC 5510 XON/XOFF handshaking
;                  ;Formfeed unterdruecken
;PTRAST = 00,LSTDRA ;NEC Diablo oder OKI Centronics Schnittstelle
;PTRAST = 01,LSTDRA ;V24 Schnittstelle Kanal 2

```

```

;1. Drucker Diablo oder Centr. Schnittstelle, 2. Drucker V24 Schnittstelle Kanal 2
PTRAST = 00,LSTDRB,01,LSTDRA

```

```

;1. Drucker Diablo oder Centr. Schnittstelle, 2. Drucker V24 Schnittstelle Kanal 2
;3. Drucker V24 Schnittstelle Kanal 1
;PTRAST = 00,LSTDRB,01,LSTDRA,00,LSTDRA

```

```

;DSPPAT = 1,2,3      ;Drucker A Q=A,B Q=B,C Q=C

```

```

;QUEAST = 00,(0),00,(0),00,(0),00,(0),00,(0)
;         A      B      C      D      E

```

```

;Zuweisungstabellen fuer gaengige DeTeWe Hardware
;=====

```

```

;-- 2 Disketten 8"(A,B)
;DSKAST = 00,DSKDRA,01,DSKDRA

```

```

;-- 96 MB Phoenix (Festplatten A,B,C,D,E, Wechselplatte F), 2 Disketten 8" (G,H)
;DSKAST = 01,DSKDRC,02,DSKDRC,03,DSKDRC,04,DSKDRC,05,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRF

```

```

;-- 96 MB Phoenix (Festplatten A,B,C,D,E, Wechselplatte F), 2 Disketten 8" (G,H), 1 Diskette
; Achtung 5" Diskette als zweites physikalisches Device gesteckt

```

```

;DSKAST = 01,DSKDRC,02,DSKDRC,03,DSKDRC,04,DSKDRC,05,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRF

```

```

;-- 32 MB Phoenix (Festplatte A, Wechselplatte B), 2 Disketten (C,D)

```

```

;DSKAST = 01,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRA

```

```

;-- 32 MB Phoenix (Festplatte A, Wechselplatte B), 2 Disketten 8"(C,D), 1 Diskette 5"(E)
; Achtung ! 5" Laufwerk als zweites physikalisches Device gesteckt

```

```

;DSKAST = 01,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRA,05,DSKDRA

```

```

;--1 Winchester (A), 2 Disketten 5" (B,C)

```

```

;DSKAST = 04,DSKDRB,00,DSKDRA,01,DSKDRA

```

```

;--1 Winchester 10 MB (A,B), 2 Disketten 5" (C,D)

```

```

;DSKAST = 04,DSKDRB,05,DSKDRB,00,DSKDRA,01,DSKDRA

```

```

;--1 Winchester 24 MB (A,B,C), 2 Disketten 5" (D,E)

```

```

;DSKAST = 04,DSKDRB,05,DSKDRB,06,DSKDRB,00,DSKDRA,01,DSKDRA

```

```

;--1 Winchester 24 MB (A,B,C), Diskette 5" (D), 1 Diskette 8" (E)

```

```

;DSKAST = 04,DSKDRB,05,DSKDRB,06,DSKDRB,04,DSKDRA,00,DSKDRA

```

```

;--2 Disketten 5" (A,B)

```

;DSKAST = 00,DSKDRA,01,DSKDRA

;----- Maximale Buffer im Master. Formatieren ohne Bufferreduzierung nicht
; moeglich. ----

;NMBUFS = 14 ;Anzahl der Buffer = 20, 14H

;----- Maximale Buffer im Master zum Formatieren ohne Bufferreduzierung
; mit dem Programm FMTF fuer 8" und 5" ----

NMBUFS = 0E ;Anzahl der Buffer 14, TPA im Master minimal 15 KB

;NMBUFS = 2 ;Streamerbetrieb

;Bei Streamerbetrieb untere Patches 2,3,3,4

NMB740 = 5 ;number of IMS slaves
NMB SVC = 8 ;number of server processes
NMBMBS = 9 ;number of message buffers
NMBRPS = 9 ;number of replay packets

LEN740 + 27 = 80 ;zum laden fuer MPU board 860

; Laden von verschiedenen Slaves

; =====

SST740 = " ^^^^^^ " ; A = OSSLAVEA.SYS, B = OSSLAVEB.SYS usw.

; Slave 1234567 ;zB: Slave 4 und 5 16 BIT, dann 4 und 5 "C" (OSSLAVEC)

; Slave 1 2 3 4 5 6 7
; ^ ^ ^ ^ ^ ^ ^

TYP SLV = 00,00,00,00,00,00,00 ; 00 = 740/860 Slave , 01 = 1086 Slave

; PATCHES: letzte Aenderung -19.4.84-

; =====

; patch 1 (faslod)

LCLLOD + 74 = LCLLOD + 0E7

; ACHTUNG ! bei einbinden von BNKMR weitere patches

; patch 5 (netreq)

;NETREQ + 41 = PATCH + 29
;NETREQ + 0EB = PATCH + 29
;NETREQ + 13C = PATCH + 29
;NETREQ + 156 = PATCH + 29
;PATCH + 29 = ODD, OCB, 5A, 66, 28, 03, 0C3, EXITL, 0C3, EXITA

; patch 6 (conrem)

RCFCN + 0DF = OCD, PATCH + 35
PATCH + 35 = OF3, 2A, CIBSZ + 8B, 0C9
RCFCN + 0E7 = OCD, PATCH + 3A, 0
PATCH + 3A = 21, CIBSZ + 0B, 34, OFB, 0C9

; PATCH 8 (BUFMGN)

BUFMGN + 0BE = 0C3, PATCH + 40
PATCH + 40 = OCD, SELDRV, OCD, BUFMGN + 399, 0E5,
OCD, UNLINK, OCD, BUFMGN + 28D, 0E1, 0F5,
OCD, BUFMGN + 37B, 0EB, 21, BUFSIZ + 9, OCD, LNKBE,
0F1, 0B7, 0CA, BUFMGN + 0C1, OCD, BUFMGN + 371,
0C3. BUFMGN + 29

; PATCH 11 (FFOMGR - FIFO MANAGER)

WRFIFO + 87 = OC3, PATCH + 64
WRFIFO + 99 = OC3, PATCH + 6A
PATCH + 64 = OD1, OCA, WRFIFO + 8A, 18, 05,
3E, 02, ODD, 77, 33, 21, 15, 00, 19, 4E, 23, 46,
OB, 70, 2B, 71, OC3, WRFIFO + 0A5

;END

; PATCH 12 (fillok)

SETAAF = OC3, PATCH + 7D
PATCH + 7D = OCD, FRRFCN + OE6, OE5,
OCD, CKOPNF + OB, OCD, SETAAF + 3, OE1,
OC3, FRRFCN + OCF

;END

14

(
(
(
(

12

```
;
;
STDMASTR ;standard network master configuration
USRSOM ;user sign-on message
NITIMS ;hardware initialization
;
FASLOD ;program loader optimizer in non-banked systems
MPENIT ;memory parity initialization
;
CONREM ;remote ascii console through network
;LST300 ;Printer with no handshaking, 300 baud, Teletype 43
LSTCTS ;Printer with CTS handshaking, 9600 baud, TI-810
;LSTETX ;Printer with ETX/ACK handshaking, 1200 baud, NEC 5510
;LSTXON ;Printer with X-ON/X-OFF handshaking, 1200 baud, Diablo 630
;LSTIMS ;Printer driver for Centronics parallel
;LSTNEC ;Printer driver for NEC 5500D, NEC 7700D
LAFNEC ;Drucker Treiber fuer NEC 3500D, NEC 5500D, NEC 7700D mit Einzelblatt-
; ;zufuehrung ein Schacht
;SPD442 ;serial & parallel driver for IMS 442 BOARD
;
SPD630 ;serial & parallel driver for IMS 631/480 boards
SER630 ;serial driver for 631 board
;
BRT4420 ;baud rate tables for IMS 442/631 with oscillator
;
RTCIMS ;system clock driver
MCD100I1 ;master network driver for IMS 740 boards via S100 bus
; ;8/16 BIT Slave
DSKTRAN ;disk driver transl. interface
;DSKTRTTX ;disk treiber mit netzausfall
;
DSKF ;disk driver
;DSKF8 ;disk spec. for 8-inch
DSKF5 ;disk spec. for 5-inch
;
;-- NOTE: Only one hard disk drivers may be included.--
;
DSKW ;disk driver for 8" and 5" winchester
;
;-- Specification tables for 5" winchester --
;
;DSKW5A1 ; 5 MB, 1 logical device
;
;DSKW5G1 ; 24 MB, 1 logical device
;DSKW5G3 ; 24 MB, 3 logical device
;
;DSKW5L1 ; 10 MB, 1 logical device
DSKW5L2 ; 10 MB, 2 logical device
;
;DSK490 ;disk driver for IMS 490 with AMPEX CMD
;DSKFMTC1 ;disk specification tables for AMPEX CMD
;
PATCH1 ;PATCH AREA 256 BYTES
;
```

```

;-----
;
USRSOM = 1A,"TurboDOS 1.31 - Master$"
;-----

```

```

AUTUSR = 80          ;auto logon user 0 privileget
MEMRES = 400        ;save 2KB for O/S
SRT431 = 1          ;1 ms step rate
;SRT401 = 3         ;3 ms step rate
ATNCHR = "^$"      ;attention char. re-assigned to control-§
CLPCHR = "="       ;command prompt
SRHDRV = OFF       ;search system drive for command file
CPMVER = 31        ;CP/M BDOS version
COMPAT = 0B8       ;file/record locking compatibility flags
;XONFF = 00        ;Fuer Einzelblattzufuehrung bei NEC 5510 XON/XOFF handshaking
;                 ;Formfeed unterdruecken
;PTRAST = 00,LSTDRA ;NEC Diablo oder OKI Centronics Schnittstelle
;PTRAST = 01,LSTDRA ;V24 Schnittstelle Kanal 2
;
;1. Drucker Diablo oder Centr. Schnittstelle, 2. Drucker V24 Schnittstelle Kanal 2
PTRAST = 00,LSTDRB,01,LSTDRA
;
;1. Drucker Diablo oder Centr. Schnittstelle, 2. Drucker V24 Schnittstelle Kanal 2
;3. Drucker V24 Schnittstelle Kanal 1
;PTRAST = 00,LSTDRB,01,LSTDRA,00,LSTDRA
;
DSPPAT = 1,2,3      ;Drucker A Q=A,B Q=B,C Q=C
;
QUEAST = 00,(0),00,(0),00,(0),00,(0),00,(0)
;           A       B       C       D       E
;
;Zuweisungstabellen fuer gaengige DeTeWe Hardware
;=====
;
;-- 2 Disketten 8"(A,B)
;DSKAST = 00,DSKDRA,01,DSKDRA
;
;-- 96 MB Phoenix (Festplatten A,B,C,D,E, Wechselplatte F), 2 Disketten 8" (G,H)
;
;DSKAST = 01,DSKDRC,02,DSKDRC,03,DSKDRC,04,DSKDRC,05,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRA
;
;-- 96 MB Phoenix (Festplatten A,B,C,D,E, Wechselplatte F), 2 Disketten 8" (G,H), 1 Diskette
; Achtung 5" Diskette als zweites physikalisches Device gesteckt
;
;DSKAST = 01,DSKDRC,02,DSKDRC,03,DSKDRC,04,DSKDRC,05,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRA
;
;-- 32 MB Phoenix (Festplatte A, Wechselplatte B), 2 Disketten (C,D)
;
;DSKAST = 01,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRA
;
;-- 32 MB Phoenix (Festplatte A, Wechselplatte B), 2 Disketten 8"(C,D), 1 Diskette 5"(E)
; Achtung ! 5" Laufwerk als zweites physikalisches Device gesteckt
;
;DSKAST = 01,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRA,05,DSKDRA
;
;--1 Winchester (A), 2 Disketten 5" (B,C)
;
;DSKAST = 04,DSKDRB,00,DSKDRA,01,DSKDRA
;
;--1 Winchester 10 MB (A,B), 2 Disketten 5" (C,D)
;
;DSKAST = 04,DSKDRB,05,DSKDRB,00,DSKDRA,01,DSKDRA
;
;--1 Winchester 24 MB (A,B,C), 2 Disketten 5" (D,E)
;
;DSKAST = 04,DSKDRB,05,DSKDRB,06,DSKDRB,00,DSKDRA,01,DSKDRA
;
;--1 Winchester 24 MB (A,B,C), Diskette 5" (D), 1 Diskette 8" (E)
;
;DSKAST = 04,DSKDRB,05,DSKDRB,06,DSKDRB,04,DSKDRA,00,DSKDRA
;
;--2 Disketten 5" (A,B)

```

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;DSKAST = 00,DSKDRA,01,DSKDRA

;----- Maximale Buffer im Master. Formatieren ohne Bufferreduzierung nicht
;moeglich. -----

;NMBUFS = 14 ;Anzahl der Buffer = 20, 14H

;----- Maximale Buffer im Master zum Formatieren ohne Bufferreduzierung
;mit dem Programm FMTF fuer 8" und 5" -----

NMBUFS = 0D ;Anzahl der Buffer 13, TPA im Master minimal 15 KB

;NMB740 = 4 ;number of IMS 740 slaves
;NMBSVC = 8 ;number of server processes
;NMBMBS = 9 ;number of message buffers
;NMBRPS = 9 ;number of replay packets

LEN740 + 27 = 80 ;zum laden fuer MPU board 860

; Laden von TTX - Slaves

;=====

; TTXSLAVE.SYS > OSSLAVEA.SYS
; ORGSLAVE.SYS > OSSLAVEB.SYS
; DTWSL186.SYS > OSSLAVEC.SYS
; DTWSLAVE.SYS > OSSLAVE.SYS

SST740 = "AB
; ^^^^^^"

; SLAVE 1234567 ;Beispiel : TELETEX + 2 * 16 BIT Slave + 8 BIT SLAVE
; ;SST740 = "ABCC "

; Slave 1 2 3 4 5 6 7
; ^ ^ ^ ^ ^ ^ ^

TYPSLV = 00,00,00,00,00,00,00 ; 00 = 740/860 Slave , 01 = 1086 Slave

; PATCHES: letzte Aenderung -19.4.84-
;=====

; patch 1 (faslod)

LCLLOD + 74 = LCLLOD + 0E7

; ACHTUNG ! bei einbinden von BNKMGR weitere patches

; patch 5 (netreq)

;NETREQ + 41 = PATCH + 29
;NETREQ + 0EB = PATCH + 29
;NETREQ + 13C = PATCH + 29
;NETREQ + 156 = PATCH + 29
;PATCH + 29 = ODD, OCB, 5A, 66, 28, 03, OC3, EXITL, OC3, EXITA

; patch 6 (conrem)

RCFCN + 0DF = OCD, PATCH + 35
PATCH + 35 = OF3, 2A, CIBSZ + 8B, OC9
RCFCN + 0E7 = OCD, PATCH + 3A, 0
PATCH + 3A = 21, CIBSZ + 0B, 34, OFB, OC9

; PATCH 8 (BUFMGN)

BUFMGN + OBE = OC3, PATCH + 40
PATCH + 40 = OCD, SELDRV, OCD, BUFMGN + 399, OE5,
OCD, UNLINK, OCD, BUFMGN + 28D, OE1, OF5,
OCD, BUFMGN + 37B, OEB, 21, BUFSIZ + 9, OCD, LNKBEF,
OF1, OB7, OCA, BUFMGN + OC1, OCD, BUFMGN + 371.

OC3, BUFMGN + 29

;

; PATCH 11 (FFOMGR - FIFO MANAGER)

;

WRFIFO + 87 = OC3, PATCH + 64

WRFIFO + 99 = OC3, PATCH + 6A

PATCH + 64 = OD1, OCA, WRFIFO + 8A, 18, 05,
3E, 02, ODD, 77, 33, 21, 15, 00, 19, 4E, 23, 46,
OB, 70, 2B, 71, OC3, WRFIFO + 0A5

;

;END

;

; PATCH 12 (fillok)

;

SETAAF = OC3, PATCH + 7D

PATCH + 7D = OCD, FRRFCN + 0E6, 0E5,
OCD, CKOPNF + 0B, OCD, SETAAF + 3, 0E1,
OC3, FRRFCN + OCF

;

;END

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(

(

(

(

```

;-----
;
STDMASTR      ;standard network master configuration
USRSOM        ;user sign-on message
NITIMS        ;hardware initialization
;
FASLOD        ;program loader optimizer in non-banked systems
MPENIT        ;memory parity initialization
;
CONREM        ;remote ascii console through network
;CON96        ;ascii console at 9600 baud
CON96/WP      ;ascii console at 9600 baud (WP2000)
;LST300       ;Printer with no handshaking,          300 baud, Teletype 43
LSTCTS        ;Printer with CTS handshaking,          9600 baud, TI-810
;LSTETX       ;Printer with ETX/ACK handshaking,       1200 baud, NEC 5510
;LSTXON       ;Printer with X-ON/X-OFF handshaking, 1200 baud, Diablo 630
;LSTIMS       ;Printer driver for Centronics parallel
;LSTNEC       ;Printer driver for NEC 5500D, NEC 7700D
LAFNEC        ;Drucker Treiber fuer NEC 3500D, NEC 5500D, NEC 7700D mit Einzelblatt-
;             ;zufuehrung ein Schacht
SPD442        ;serial & parallel drivers for IMS 442 BOARD
;
BRT4420       ;baud rate tables for IMS 442 with oscillator
RTCIMS        ;system clock driver
MCD100I       ;master network driver for IMS 740 boards via S100 bus
;
;DSKTRAN      ;disk driver transl. interface
DSKTRTTX     ;disk driver transl. interface mit netzausfall
;
DSKF         ;disk driver
;DSKF8       ;disk spec. for 8-inch
DSKF5       ;disk spec. for 5-inch
;
;-- NOTE: Only one hard disk drivers may be included.--
;
;DSKW        ;disk driver for 8" and 5" winchester
;
;-- Specification tables for 8" winchester --
;
;DSKW8A5     ; 1 drive 40 MB, 5 logical units
;DSKW8A1     ; 1 drive 40 MB, 1 logical unit
;
;DSKW8B3     ; 1 drive 20 MB, 3 logical units
;DSKW8B1     ; 1 drive 20 MB, 1 logical unit
;
;-- Specification tables for 5" winchester --
;
;DSKW5A1     ; 4 drives 5 MB, each 1 logical unit
;
;DSKW5D2     ; 1 drive 15 MB, 2 logical units
;DSKW5D1     ; 4 drives 15 MB, each 1 logical unit
;
;DSK490      ;disk driver for IMS 490 with AMPEX CMD
;DSKFMTCDD   ;disk specification tables for AMPEX CMD
;
PATCH       ;PATCHMODUL
;

```



```

;-----
;
USRSOM = 1A,"TurboDOS 1.30 - Master$"
;-----

```

```

AUTUSR = 80          ;auto logon user 0 privileget
MEMRES = 400        ;save 2KB for O/S
SRT431 = 1          ;1 ms step rate
;SRT401 = 3         ;3 ms step rate
ATNCHR = "^$"      ;attention char. re-assigned to control-§
CLPCHR = "="       ;command prompt
;FFCHR = 1A        ;clear screen at cold start
;CONBR = OCE       ;console handshaking active
SRHDRV = OFF       ;search system drive for command file
CPMVER = 22        ;CP/M BDOS version
COMPAT = 0B8       ;file/record locking compatibility flags
;XONFF = 00        ;Fuer Einzelblattzufuehrung bei NEC 5510 XON/XOFF handshaking
;                  ;Formfeed unterdruecken
;PTRAST = 00,LSTDRA ;NEC Diablo oder OKI Centronics Schnittstelle
;PTRAST = 01,LSTDRA ;V24 Schnittstelle Kanal 2
;
;1. Drucker Diablo oder Centr. Schnittstelle, 2. Drucker V24 Schnittstelle Kanal 2
PTRAST = 00,LSTDRB,01,LSTDRA
;
;1. Drucker Diablo oder Centr. Schnittstelle, 2. Drucker V24 Schnittstelle Kanal 2
;3. Drucker V24 Schnittstelle Kanal 1
;PTRAST = 00,LSTDRB,01,LSTDRA,00,LSTDRA
;
DSPPAT = 1,2,3      ;Drucker A Q=A,B Q=B,C Q=C
;
QUEAST = 00,(0),00,(0),00,(0),00,(0),00,(0)
;           A       B       C       D       E
;
;Zuweisungstabellen fuer gaengige DeTeWe Hardware
;=====
;
;-- 2 Disketten 8"(A,B)
;DSKAST = 00,DSKDRA,01,DSKDRA
;
;-- 96 MB Phoenix (Festplatten A,B,C,D,E, Wechselplatte F), 2 Disketten (G,H)
;
;DSKAST = 01,DSKDRC,02,DSKDRC,03,DSKDRC,04,DSKDRC,05,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDR
;
;-- 32 MB Phoenix (Festplatte A, Wechselplatte B), 2 Disketten (C,D)
;
;DSKAST = 01,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRA
;
;-- 32 MB Phoenix (Festplatte A, Wechselplatte B), 2 Disketten 8"(C,D), 1 Diskette 5"(E)
;  Achtung ! 5" Laufwerk als zweites physikalisches Device gesteckt
;
;DSKAST = 01,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRA,05,DSKDRA
;
;--5 MB Winchester (A), 2 Disketten 5" (B,C)
;
;DSKAST = 04,DSKDRB,00,DSKDRA,01,DSKDRA
;
;--2 Disketten 5" (A,B)
;
;DSKAST = 00,DSKDRA,01,DSKDRA
;
;-- 2 Disketten 5" (A,B) 1 Winchester (C)
;
;DSKAST = 00,DSKDRA,01,DSKDRA,04,DSKDRB
;
;----- Maximale Buffer im Master. Formatieren ohne Bufferreduzierung nicht
;         moeglich. -----
;
;NMBUFS = 14          ;Anzahl der Buffer = 20, 14H
;
;----- Maximale Buffer im Master zum Formatieren ohne Bufferreduzierung
;         mit dem Programm FMTF fuer 8" und 5" -----
;

```

NMBUFS = 0D ;Anzahl der Buffer 13, TPA im Master minimal 15 KB

18

; ;
NMB740 = 4 ;number of IMS 740 slaves
NMBSVC = 8 ;number of server processes
NMBMBS = 9 ;number of message buffers
NMBRPS = 9 ;number of replay packets

; ;
LEN740 + 27 = 80 ;zum laden fuer MPU board 860

;Laden von verschiedenen Slavekonfigurierungen nur fuer Teletex

=====

; ;
; ttxslave.sys > osslavea.sys
; orgslave.sys > osslaveb.sys
; dtwslave.sys > osslave.sys

SST740 = "AB "
 ^^^^^^^

;Slave ABCDEFG

; ;
; PATCHES FROM S/2000 27-JAN-84 / 28-JAN-84

=====

; patch 1 (faslod)

LCLLOD + 74 = LCLLOD + 0E7

; ;
; ACHTUNG ! bei einbinden von BNKMGR weitere patches

; patch 2 (netreq)

;NETREQ + 41 = PATCH + 29

;NETREQ + 0EB = PATCH + 29

;NETREQ + 13C = PATCH + 29

;NETREQ + 156 = PATCH + 29

;PATCH + 29 = ODD, OCB, 5A, 66, 28, 03, 0C3, EXITL, 0C3, EXITA

; ;
; patch 3 (conrem)

RCFCN + 0DF = OCD, PATCH + 35

PATCH + 35 = OF3, 2A, CIBSZ + 8B, 0C9

RCFCN + 0E7 = OCD, PATCH + 3A, 0

PATCH + 3A = 21, CIBSZ + 0B, 34, OFB, 0C9

; ;

STDSLAVE ;standard network slave configuration
USRSOM ;user sign-on message
NETLOD ;program loader via network
NIT740 ;hardware initialization
;CON96 ;ascii console at 9600 baud
;CON96/WP ;ascii console at 9600 baud (WP2000)
CONDTW ;ascii console 9600 baud (wp - loeschen des Schirms im Fehlerfall)
SPD740 ;serial & parallel drivers for IMS 740 board
SLVRES ;subroutine for keyboard reset of slave
SCD740 ;slave circuit driver for IMS 740 slave boards
;RTC740 ;clock driver for system call delay process

(
(

(
(

USRSOM = 1A, "TurboDOS 1.31 - 8 BIT Slave", 0D, 0A, "\$"

ATNCHR = "^\$" ;attention char. re-assigned to control-\$
CLPCHR = ">" ;command prompt
CONBR = 0CE ;console handshaking active
FFCHR = 1A ;clear screen at cold start
SRHDRV = OFF ;search system drive for command file
COMPAT = 0B8 ;file/record locking compatibility flags
CPMVER = 31 ;CP/M version

;T-DOS 1.31 DTW 186 Slave "DTWSL186.GEN" 5.6.84

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=====
; CNFTBL ; configuration table
; STDSL86 ; standard slave operating system
; CPMSUP ; cp/m function support
; SUBMIT ; cp/m submit function support
; USRSOM ; user sign on message area
; NIT186 ; hardware initialization
; CON96 ; console driver (9600 baud)
; SPD186 ; serial/parallel i/o driver
; SLVRES ; slave keyboard reset function
; SCD186 ; slave circuit driver
; LSTCTS ; clear-to-send list driver
; RTC186 ; relative time clock driver
; MST256 ; memory table (256K)

;T-DOS 1.31 DTW 186 Slave "DTWSL186.PAR" 29.6.84

22

; USRSOM = 0x1A, "TurboDOS 1.31 - 16 BIT Slave", 0x0D, 0x0A, "\$"

; COMPAT = 0xB0 ; compatibility flags
; PRTMOD = 1 ; print mode is spooling
; SRHDRV = 0xFF ; auto search system disk

; CONBR = 0xCE ; consol handchake aktiv

; ATNCHR = 0x00 ; attention char. re-assigned to control-^

; CLSCHR = 0x2B ; command line separator character +

; CLPCHR = "-" ; command prompt

; LOGUSR = 30 ; logon at user 31

; ; patch telex S/2000 dated 16jan84

; PLFCN + 0x021E = 0xFE, 0xC8, 0x24, 0x07

(
(

(
(

;-----
; STDSLAVE ;standard network slave configuration
USRSOM ;user sign-on message
NETLOD ;program loader via network
;CON96 ;ascii console at 9600 baud
CON96/WP ;ascii console at 9600 baud (WP2000)
NIT74T ;hardware initialization mit TELETEx
SPD740 ;serial & parallel driver
SCD740 ;slave circuit driver
RTC740 ;rtc-driver

; Teletex Module

; TSWDRV ;TSW-TZE driver via RS232
TSWPRC ;
PSENDTP ;
PRECTP ;
RREQQ ;
SRTP ;
SRTSW ;
SRV24 ;
STACK ;
USRFCN ;
USRSIGNL ;
USRWAIT ;

; TTXSLAVE.PAR T-DOS 1.31 29.06.84

;-----
; USRSOM = 07,"TurboDOS 1.31 - TTX-Slave",OD,OA,"\$"

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; ATNCHR = "^\$" ;attention char. re-assigned to control-
; CLSCHR = "+" ;command line separator character
; CLPCHR = ">" ;command line prompt
; CONBR = OCE ;console handshaking active
; FFCHR = 1A ;clear screen at cold start
; SRHDRV = OFF ;search system drive for command file
; COMPAT = 0B8 ;file/record locking compatibility flags
; CPMVER = 31 ;CP/M BDOS version

; Teletex Parameter

; AUTUSR = 80 ;auto logon user 0 (privileged)

; WARMFN = 0,"TTXSLAVE","AUT" ;warm-start autoloading processing

; FUNCTB = USRWT,USRSG,SV24,RV24,STP,RTP,RTPP ;user defined functions


```

;
;
STDLOADR      ;standard O/S loader configuration
USRSOM        ;user sign-on message
NITIMS        ;hardware initialization
MPENIT        ;memory parity initialization
;CON96        ;ascii console at 9600 baud
CON96/WP      ;ascii console at 9600 baud (WP2000)
;
SPD442        ;serial & parallel drivers for IMS 442 board
;
;SPD630       ;serial & parallel driver for IMS 631/480 boards
;SER630       ;serial driver for IMS 631 board
;
BRT4420       ;baud-rate tables for IMS 442/631 with oscillator
;
RTCIMS        ;system clock driver
;
DSKTRAN       ;disk driver translation interface
;
DSKF          ;floppy disc driver
DSKF8        ;disk specification tables for 8-inch diskettes
DSKF5        ;disk specification tables for 5-inch diskettes
;
;-- NOTE: Only one hard disk drivers may be included.--
;
;DSKW        ;disk driver for 8" and 5" winchester
;
;
;-- Specification tables for 5" winchester --
;
;DSKW5A1     ; 5 MB Winchester spec. tables 1 logical device
;
;DSKW5G1     ; 24 MB Winchester spec. tables 1 logical device
;DSKW5G3     ; 24 MB Winchester spec. tables 3 logical device
;
;DSKW5L1     ; 10 MB Winchester spec. tables 1 logical device
;DSKW5L2     ; 10 MB Winchester spec. tables 2 logical device
;
;-- 1. Device = Wechselplatte, 2. bis 6. Device Festplatte
;
DSK490        ;disk driver for IMS 490 with AMPEX CMD
DSKFMT1      ;disk specification tables for AMPEX CMD 6*16 MB device
;

```

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```

;-----
;
USRSOM = 1A,"TurboDOS 1.31$"
;-----

```

```

SRT431 = 1           ;1 ms step rate
;SRT401 = 3         ;3 ms step rate
;FFCHR = 1A        ;clear screen at cold start
CPMVER = 31        ;CP/M BDOS version
;CONBR = OCE      ;console handshaking active
;
;SCANDN = OFFH     ;scan from drive p to a (streamer loadr.)
;
;--Zuweisungstabelle fuer 2 Disketten 8"(A,B)
;
;DSKAST = 00,DSKDRA,01,DSKDRA
;
;-- 2 Disketten 8"(A,B) + 96 MB Phoenix (Wechselpl C, Festplatten D,E,F,G,H), 1 Disk. 5"(
;  Achtung ! 5" Laufwerk als zweites physikalisches Device gesteckt
;
;DSKAST = 00,DSKDRA,01,DSKDRA,00,DSKDRC,01,DSKDRC,02,DSKDRC,03,DSKDRC,04,DSKDRC,05,DSKDRC
;
;-- 96 MB Phoenix (Festplatten A,B,C,D,E, Wechselplatte F), 2 Disketten (G,H)
;
;DSKAST = 01,DSKDRC,02,DSKDRC,03,DSKDRC,04,DSKDRC,05,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRA
;
;-- 32 MB Phoenix (Festplatte A, Wechselplatte B), 2 Disketten (C,D)
;
;DSKAST = 01,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRA
;
;-- 32 MB Phoenix (Festplatte A, Wechselplatte B), 2 Disketten 8"(C,D), 1 Diskette 5"(E)
;  Achtung ! 5" Laufwerk als zweites physikalisches Device gesteckt
;
;DSKAST = 01,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRA,05,DSKDRA
;
;--1 Winchester (A), 2 Disketten 5" (B,C)
;
;DSKAST = 04,DSKDRB,00,DSKDRA,01,DSKDRA
;
;--1 Winchester 10 MB (A,B), 2 Disketten 5" (C,D)
;
;DSKAST = 04,DSKDRB,05,DSKDRB,00,DSKDRA,01,DSKDRA
;
;--1 Winchester 24 MB (A,B,C), 2 Disketten 5" (D,E)
;
;DSKAST = 04,DSKDRB,05,DSKDRB,06,DSKDRB,00,DSKDRA,01,DSKDRA
;
;--1 Winchester 24 MB (A,B,C), 1 Diskette 5" (D), 1 Diskette 8" (E)
;
;DSKAST = 04,DSKDRB,05,DSKDRB,06,DSKDRB,04,DSKDRA,00,DSKDRA
;
;--2 Disketten 5" (A,B)
;
;DSKAST = 00,DSKDRA,01,DSKDRA
;
;--1 Diskette 5" (A), 1 Winchester (B),1 Diskette 5" (C)
;
;DSKAST = 00,DSKDRA,04,DSKDRB,01,DSKDRA
;
;--1 Diskette 5" (A), 1 Winchester 24 MB (B,C,D)
;
;DSKAST = 00,DSKDRA,04,DSKDRB,05,DSKDRB,06,DSKDRB
;
;--1 Diskette 5" (A), 1 Winchester 10 MB (B,C)
;
;DSKAST = 00,DSKDRA,04,DSKDRB,05,DSKDRB
;

```

```

;
;STDMASTR      ;standard network master configuration
;USRSOM        ;user sign-on message
;NITIMS        ;hardware initialization
;
;FASLOD        ;program loader optimizer in non-banked systems
;MPENIT        ;memory parity initialization
;
;CONREM        ;remote ascii console through network
;
;Bei Streamerbetrieb alle Drucker raus !
;
;LST300        ;Printer with no handshaking,          300 baud, Teletype 43
;LSTCTS        ;Printer with CTS handshaking,          9600 baud, TI-810
;LSTETX        ;Printer with ETX/ACK handshaking,      1200 baud, NEC 5510
;LSTXON        ;Printer with X-ON/X-OFF handshaking,    1200 baud, Diablo 630
;LSTIMS        ;Printer driver for Centronics parallel
;LSTNEC        ;Printer driver for NEC 5500D, NEC 7700D
;LAFNEC        ;Drucker Treiber fuer NEC 3500D, NEC 5500D, NEC 7700D mit Einzelblatt-
;              ;zufuehrung ein Schacht
;SPD442        ;serial & parallel driver for IMS 442 BOARD
;
;SPD630        ;serial & parallel driver for IMS 631/480 boards
;SER630        ;serial driver for 631 board
;
;BRT4420       ;baud rate tables for IMS 442/631 with oscillator
;
;RTCIMS        ;system clock driver
;MCD100I1      ;master network driver for IMS 740 boards via S100 bus
;              ;slave 8/16 Bit
;DSKTRAN       ;disk driver transl. interface
;
;DSKF          ;disk driver
;DSKF8         ;disk spec. for 8-inch
;DSKF5         ;disk spec. for 5-inch
;
;-- NOTE: Only one hard disk drivers may be included.--
;
;DSKW          ;disk driver for 8" and 5" winchester
;
;-- Specification tables for 5" winchester --
;
;DSKW5A1       ; 5 MB, 1 logical device
;
;DSKW5G1       ; 24 MB, 1 logical device
;DSKW5G3       ; 24 MB, 3 logical device
;
;DSKW5L1       ; 10 MB, 1 logical device
;DSKW5L2       ; 10 MB, 2 logical device
;
;DSK490        ;disk driver for IMS 490 with AMPEX CMD
;DSKFMTTC1     ;disk specification tables for AMPEX CMD
;
;PATCH1       ;PATCH AREA 256 BYTES
;

```

```

;-----
;
USRSOM = 1A,"TurboDOS 1.31 - Master$"
;-----

```

```

AUTUSR = 80          ;auto logon user 0 privileget
MEMRES = 400        ;save 2KB for O/S
SRT431 = 1          ;1 ms step rate
;SRT401 = 3         ;3 ms step rate
CLSCHR = "#"        ;
ATNCHR = "^$"       ;attention char. re-assigned to control-$
CLPCHR = "="        ;command prompt
SRHDRV = OFF        ;search system drive for command file
CPMVER = 31         ;CP/M BDOS version
COMPAT = 0B8        ;file/record locking compatibility flags
;ETXFF = 00         ;Fuer Einzelblattzufuehrung bei NEC 5510 ETX handshaking
;                  ;Formfeed unterdruecken
PTRAST = 00,LSTDRA  ;NEC Diablo oder OKI Centronics Schnittstelle
;PTRAST = 01,LSTDRA ;V24 Schnittstelle Kanal 2
;

```

```

;1. Drucker Diablo oder Centr. Schnittstelle, 2. Drucker V24 Schnittstelle Kanal 2
;PTRAST = 00,LSTDRB,01,LSTDRA
;

```

```

;1. Drucker Diablo oder Centr. Schnittstelle, 2. Drucker V24 Schnittstelle Kanal 2
;3. Drucker V24 Schnittstelle Kanal 1
;PTRAST = 00,LSTDRB,01,LSTDRA,00,LSTDRC
;

```

```

;
DSPPAT = 1,2,3      ;Drucker A Q=A,B Q=B,C Q=C
;

```

```

;
QUEAST = 00,(0),00,(0),00,(0),00,(0),00,(0)
;          A      B      C      D      E
;

```

```

;Zuweisungstabellen fuer gaengige DeTeWe Hardware
;=====
;

```

```

;-- 2 Disketten 8"(A,B)
;DSKAST = 00,DSKDRA,01,DSKDRA
;

```

```

;-- 96 MB Phoenix (Festplatten A,B,C,D,E, Wechselplatte F), 2 Disketten 8" (G,H)
;DSKAST = 01,DSKDRC,02,DSKDRC,03,DSKDRC,04,DSKDRC,05,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRA
;

```

```

;-- 96 MB Phoenix (Festplatten A,B,C,D,E, Wechselplatte F), 2 Disketten 8" (G,H), 1 Diskette
; Achtung 5" Diskette als zweites physikalisches Device gesteckt
;

```

```

;DSKAST = 01,DSKDRC,02,DSKDRC,03,DSKDRC,04,DSKDRC,05,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRA
;

```

```

;-- 32 MB Phoenix (Festplatte A, Wechselplatte B), 2 Disketten (C,D)
;

```

```

;DSKAST = 01,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRA
;

```

```

;-- 32 MB Phoenix (Festplatte A, Wechselplatte B), 2 Disketten 8"(C,D), 1 Diskette 5"(E)
; Achtung ! 5" Laufwerk als zweites physikalisches Device gesteckt
;

```

```

;DSKAST = 01,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRA,05,DSKDRA
;

```

```

;--1 Winchester (A), 2 Disketten 5" (B,C)
;

```

```

;DSKAST = 04,DSKDRB,00,DSKDRA,01,DSKDRA
;

```

```

;--1 Winchester 10 MB (A,B), 2 Disketten 5" (C,D)
;

```

```

;DSKAST = 04,DSKDRB,05,DSKDRB,00,DSKDRA,01,DSKDRA
;

```

```

;--1 Winchester 24 MB (A,B,C), 2 Disketten 5" (D,E)
;

```

```

;DSKAST = 04,DSKDRB,05,DSKDRB,06,DSKDRB,00,DSKDRA,01,DSKDRA
;

```

```

;--1 Winchester 24 MB (A,B,C), Diskette 5" (D), 1 Diskette 8" (E)
;

```

```

;DSKAST = 04,DSKDRB,05,DSKDRB,06,DSKDRB,04,DSKDRA,00,DSKDRA
;

```

```

;--2 Disketten 5" (A,B)
;
;DSKAST = 00,DSKDRA,01,DSKDRA
;
;
;----- Maximale Buffer im Master. Formatieren ohne Bufferreduzierung nicht
; moeglich. -----
;
NMBUFS = 14 ;Anzahl der Buffer = 20, 14H
;
;----- Maximale Buffer im Master zum Formatieren ohne Bufferreduzierung
; mit dem Programm FMTF fuer 8" und 5" -----
;
NMBUFS = 0E ;Anzahl der Buffer 14, TPA im Master minimal 15 KB
;
NMBUFS = 2 ;Streamerbetrieb
;
;Bei Streamerbetrieb untere Patches 2,3,3,4
;
NMB740 = 7 ;number of IMS slaves
NMB SVC = 8 ;number of server processes
NMBMBS = 9 ;number of message buffers
NMBRPS = 9 ;number of replay packets
;
;
LEN740 + 27 = 80 ;zum laden fuer MPU board 860
;
; Laden von verschiedenen Slaves
; =====
SST740 = " ^^^^^^ " ; A = OSSLAVERA.SYS, B = OSSLAVERB.SYS usw.
;
; Slave 1234567 ;zB: Slave 4 und 5 16 BIT, dann 4 und 5 "C" (OSSLAVERC)
;
; Slave 1 2 3 4 5 6 7
; ^ ^ ^ ^ ^ ^ ^
TYP SLV = 00,00,00,00,00,00,00 ; 00 = 740/860 Slave , 01 = 1086 Slave
;
;
; PATCHES: letzte Aenderung -19.4.84-
; =====
;
; patch 1 (faslod)
; -----
LCLLOD + 74 = LCLLOD + 0E7
;
; ACHTUNG ! bei einbinden von BNKMGW weitere patches
;
; patch 5 (netreq)
; -----
;NETREQ + 41 = PATCH + 29
;NETREQ + 0EB = PATCH + 29
;NETREQ + 13C = PATCH + 29
;NETREQ + 156 = PATCH + 29
;PATCH + 29 = ODD, 0CB, 5A, 66, 28, 03, 0C3, EXITL, 0C3, EXITA
;
; patch 6 (conrem)
; -----
RCFCN + 0DF = OCD, PATCH + 35
PATCH + 35 = OF3, 2A, CIBSZ + 8B, 0C9
RCFCN + 0E7 = OCD, PATCH + 3A, 0
PATCH + 3A = 21, CIBSZ + 0B, 34, OFB, 0C9
;
;
; PATCH 8 (BUFMGN)
; -----
BUFMGN + 0BE = 0C3, PATCH + 40
PATCH + 40 = OCD, SELDRV, OCD, BUFMGN + 399, 0E5,
OCD, UNLINK, OCD, BUFMGN + 28D, 0E1, 0F5,
OCD, BUFMGN + 37B, 0EB, 21, BUFSIZ + 9, OCD, LNKBEF,
0E1 0B7 0CA BUFMGN + 0C1 OCD BUFMGN + 371

```

30

OC3, BUFMGN + 29

;

; PATCH 11 (FFOMGR - FIFO MANAGER)

;

WRFIFO + 87 = OC3, PATCH + 64

WRFIFO + 99 = OC3, PATCH + 6A

PATCH + 64 = OD1, OCA, WRFIFO + 8A, 18, 05,
3E, 02, ODD, 77, 33, 21, 15, 00, 19, 4E, 23, 46,
OB, 70, 2B, 71, OC3, WRFIFO + 0A5

;

;END

;

; PATCH 12 (fillok)

;

SETAAF = OC3, PATCH + 7D

PATCH + 7D = OCD, FRRFCN + OE6, OE5,
OCD, CKOPNF + OB, OCD, SETAAF + 3, OE1,
OC3, FRRFCN + OCF

;

;END

(
(

(
(

----- DTWSLAVE.GEN T 1.31 06.12.83 -----
----- 740/831 (IMS)-----

```

;
STDSLAVE      ;standard network slave configuration
USRSOM        ;user sign-on message
NETLOD        ;program loader via network
NIT740        ;hardware initialization
;CON96        ;ascii console at 9600 baud
;CON96/WP     ;ascii console at 9600 baud (WP2000)
CONDTW        ;ascii console 9600 baud (wp - loeschen des Schirms im Fehlerfall)
SPD740        ;serial & parallel drivers for IMS 740 board
SLVRES        ;subroutine for keyboard reset of slave
SCD740        ;slave circuit driver for IMS 740 slave boards
;RTC740       ;clock driver for system call delay process

```

einbinden für
MDBS 3

(
(
(
(

;
; USRSOM = 1A, "TurboDOS 1.31 - 8 BIT Slave - TDS - HAMBURG ", OD, OA, "\$" (32)
;

ATNCHR = "^\$" ;attention char. re-assigned to control-\$
CLSCHR = "#" ;
CLPCHR = ">" ;command prompt
CONBR = OCE ;console handshaking active
FFCHR = 1A ;clear screen at cold start
SRHDRV = OFF ;search system drive for command file
COMPAT = OB8 ;file/record locking compatibility flags
CPMVER = 31 ;CP/M version


```

;-----
;
;STDMASTR      ;standard network master configuration
;USRSOM        ;user sign-on message
;NITIMS        ;hardware initialization
;
;FASLOD        ;program loader optimizer in non-banked systems
;MPENIT        ;memory parity initialization
;
;CONREM        ;remote ascii console through network
;LST300        ;Printer with no handshaking,          300 baud, Teletype 43
;LSTCTS        ;Printer with CTS handshaking,          9600 baud, TI-810
;LSTETX        ;Printer with ETX/ACK handshaking,      1200 baud, NEC 5510
;LSTXON        ;Printer with X-ON/X-OFF handshaking,    1200 baud, Diablo 630
;LSTIMS        ;Printer driver for Centronics parallel
;LSTNEC        ;Printer driver for NEC 5500D, NEC 7700D
;LAFNEC        ;Drucker Treiber fuer NEC 3500D, NEC 5500D, NEC 7700D mit Einzelblatt-
;              ;zufuehrung ein Schacht
;SPD442        ;serial & parallel driver for IMS 442 BOARD
;
;SPD630        ;serial & parallel driver for IMS 631/480 boards
;SER630        ;serial driver for 631 board
;
;BRT4420       ;baud rate tables for IMS 442/631 with oscillator
;
;RTCIMS        ;system clock driver
;MCD100I1      ;master network driver for IMS 740 boards via S100 bus
;              ;8/16 BIT Slave
;DSKTRAN       ;disk driver transl. interface
;DSKTRTTX      ;disk treiber mit netzausfall
;
;DSKF          ;disk driver
;DSKF8         ;disk spec. for 8-inch
;DSKF5         ;disk spec. for 5-inch
;
;-- NOTE: Only one hard disk drivers may be included.--
;
;DSKW          ;disk driver for 8" and 5" winchester
;
;-- Specification tables for 5" winchester --
;
;DSKW5A1       ; 5 MB, 1 logical device
;
;DSKW5G1       ; 24 MB, 1 logical device
;DSKW5G3       ; 24 MB, 3 logical device
;
;DSKW5L1       ; 10 MB, 1 logical device
;DSKW5L2 ; 10 MB, 2 logical device
;
;DSK490        ;disk driver for IMS 490 with AMPEX CMD
;DSKFMT1       ;disk specification tables for AMPEX CMD
;
;PATCH1       ;PATCH AREA 256 BYTES
;

```

34

USRSOM = 1A,"TurboDOS 1.31 - Master\$"

```

;-----
AUTUSR = 80           ;auto logon user 0 privileget
MEMRES = 400         ;save 2KB for O/S
SRT431 = 1           ;1 ms step rate
;SRT401 = 3          ;3 ms step rate
ATNCHR = "^$"       ;attention char. re-assigned to control-§
CLPCHR = "="        ;command prompt
SRHDRV = OFF        ;search system drive for command file
CPMVER = 31         ;CP/M BDOS version
COMPAT = 0B8        ;file/record locking compatibility flags
;XONFF = 00         ;Fuer Einzelblattzufuehrung bei NEC 5510 XON/XOFF handshaking
;                  ;Formfeed unterdruecken
;PTRAST = 00,LSTDRA ;NEC Diablo oder OKI Centronics Schnittstelle
;PTRAST = 01,LSTDRA ;V24 Schnittstelle Kanal 2

```

```

;1. Drucker Diablo oder Centr. Schnittstelle, 2. Drucker V24 Schnittstelle Kanal 2
PTRAST = 00,LSTDRB,01,LSTDRA

```

```

;1. Drucker Diablo oder Centr. Schnittstelle, 2. Drucker V24 Schnittstelle Kanal 2
;3. Drucker V24 Schnittstelle Kanal 1
;PTRAST = 00,LSTDRB,01,LSTDRA,00,LSTDRA

```

```

;DSPPAT = 1,2,3      ;Drucker A Q=A,B Q=B,C Q=C

```

```

;QUEAST = 00,(0),00,(0),00,(0),00,(0),00,(0)
;         A      B      C      D      E

```

```

;Zuweisungstabellen fuer gaengige DeTeWe Hardware
;=====

```

```

;-- 2 Disketten 8"(A,B)
;DSKAST = 00,DSKDRA,01,DSKDRA

```

```

;-- 96 MB Phoenix (Festplatten A,B,C,D,E, Wechselplatte F), 2 Disketten 8" (G,H)
;DSKAST = 01,DSKDRC,02,DSKDRC,03,DSKDRC,04,DSKDRC,05,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRA

```

```

;-- 96 MB Phoenix (Festplatten A,B,C,D,E, Wechselplatte F), 2 Disketten 8" (G,H), 1 Diskette
; Achtung 5" Diskette als zweites physikalisches Device gesteckt
;DSKAST = 01,DSKDRC,02,DSKDRC,03,DSKDRC,04,DSKDRC,05,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRA

```

```

;-- 32 MB Phoenix (Festplatte A, Wechselplatte B), 2 Disketten (C,D)
;DSKAST = 01,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRA

```

```

;-- 32 MB Phoenix (Festplatte A, Wechselplatte B), 2 Disketten 8"(C,D), 1 Diskette 5"(E)
; Achtung ! 5" Laufwerk als zweites physikalisches Device gesteckt
;DSKAST = 01,DSKDRC,00,DSKDRC,00,DSKDRA,01,DSKDRA,05,DSKDRA

```

```

;--1 Winchester (A), 2 Disketten 5" (B,C)
;DSKAST = 04,DSKDRB,00,DSKDRA,01,DSKDRA

```

```

;--1 Winchester 10 MB (A,B), 2 Disketten 5" (C,D)
;DSKAST = 04,DSKDRB,05,DSKDRB,00,DSKDRA,01,DSKDRA

```

```

;--1 Winchester 24 MB (A,B,C), 2 Disketten 5" (D,E)
;DSKAST = 04,DSKDRB,05,DSKDRB,06,DSKDRB,00,DSKDRA,01,DSKDRA

```

```

;--1 Winchester 24 MB (A,B,C), Diskette 5" (D), 1 Diskette 8" (E)
;DSKAST = 04,DSKDRB,05,DSKDRB,06,DSKDRB,04,DSKDRA,00,DSKDRA

```

```

; 2 Disketten 5" (A,B)

```

;DSKAST = 00,DSKDRA,01,DSKDRA

;----- Maximale Buffer im Master. Formatieren ohne Bufferreduzierung nicht
; moeglich. -----

;NMBUFS = 14 ;Anzahl der Buffer = 20, 14H

;----- Maximale Buffer im Master zum Formatieren ohne Bufferreduzierung
; mit dem Programm FMTF fuer 8" und 5" -----

NMBUFS = 0D ;Anzahl der Buffer 13, TPA im Master minimal 15 KB

NMB740 = 4 ;number of IMS 740 slaves
NMB SVC = 8 ;number of server processes
NMBMBS = 9 ;number of message buffers
NMBRPS = 9 ;number of replay packets

LEN740 + 27 = 80 ;zum laden fuer MPU board 860

; Laden von TTX - Slaves

;=====

; TTXSLAVE.SYS > OSSLAVERA.SYS
; ORGSLAVE.SYS > OSSLAVERB.SYS
; DTWSL186.SYS > OSSLAVERC.SYS
; DTWSLAVE.SYS > OSSLAVERD.SYS

SST740 = "AB
 ^ ^ ^ ^ ^ ^ ^ ^"

; SLAVE 1234567 ;Beispiel : TELETEX + 2 * 16 BIT Slave + 8 BIT SLAVE
;SST740 = "ABCC "

; Slave 1 2 3 4 5 6 7
 ^ ^ ^ ^ ^ ^ ^

TYP SLV = 00,00,00,00,00,00,00 ; 00 = 740/860 Slave , 01 = 1086 Slave

; PATCHES: letzte Aenderung -19.4.84-
;=====

; patch 1 (faslod)

LCLLOD + 74 = LCLLOD + 0E7

; ACHTUNG ! bei einbinden von BNKMGR weitere patches

; patch 5 (netreq)

;NETREQ + 41 = PATCH + 29
;NETREQ + 0EB = PATCH + 29
;NETREQ + 13C = PATCH + 29
;NETREQ + 156 = PATCH + 29
;PATCH + 29 = ODD, OCB, 5A, 66, 28, 03, 0C3, EXITL, 0C3, EXITA

; patch 6 (conrem)

RCFCN + 0DF = OCD, PATCH + 35
PATCH + 35 = OF3, 2A, CIBSZ + 8B, 0C9
RCFCN + 0E7 = OCD, PATCH + 3A, 0
PATCH + 3A = 21, CIBSZ + 0B, 34, 0FB, 0C9

; PATCH 8 (BUFMGN)

BUFMGN + 0BE = 0C3, PATCH + 40
PATCH + 40 = OCD, SELDRV, OCD, BUFMGN + 399, 0E5,
OCD, UNLINK, OCD, BUFMGN + 28D, 0E1, 0F5,
OCD, BUFMGN + 37B, 0EB, 21, BUFSIZ + 9, OCD, LNKBE,
0E1, 0E7, 0C4, BUFMGN + 0C1, 0C3, BUFMGN + 371

```

OC3, BUFMGN + 29
;
; PATCH 11 (FFOMGR - FIFO MANAGER)
; -----
WRFIFO + 87 = OC3, PATCH + 64
WRFIFO + 99 = OC3, PATCH + 6A
PATCH + 64 = OD1, OCA, WRFIFO + 8A, 18, 05,
              3E, 02, ODD, 77, 33, 21, 15, 00, 19, 4E, 23, 46,
              OB, 70, 2B, 71, OC3, WRFIFO + 0A5
;
;END
;
; PATCH 12 (fillok)
; -----
SETAAF      = OC3, PATCH + 7D
PATCH + 7D = OCD, FRRFCN + OE6, OE5,
              OCD, CKOPNF + 0B, OCD, SETAAF + 3, OE1,
              OC3, FRRFCN + OCF
;
;END

```