

LOS I/O STATION TASK CONTROL AREA (TCA)

(TCA origin is at 3720-)

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| Step | | Octal | Step | |
|------|---|--|--------------|----|
| 00 | | | 00 | |
| 01 | | | 01 | |
| 02 | | | 02 | |
| 03 | | | 03 | |
| 04 | | | 04 | |
| 05 | | | 05 | |
| 06 | | | 06 | |
| 07 | copied to | PARTITION BASE (+bit 17 set) ->INPUT BUFFER (3600-) ->SPOOL BUFFER (3400-) ->Next Record No. for SPOOL routine ->MASTER BUFFER (3200-) ->FILE TABLE ->TASK CONTROL AREA origin (3720-) | 07 | |
| 10 | 0/0065 each | | 10 | |
| 11 | time task | | 11 | |
| 12 | regains CPU | | 12 | |
| 13 | control | | 13 | |
| 14 | | | 14 | |
| 15 | | | 15 | |
| 16 | | | 16 | |
| 17 | | | 17 | |
| 20 | FLAGS | | * TCA ORIGIN | 20 |
| 21 | | | | 21 |
| 22 | RETURN ADDRESS (GET routine) (=377777 if task HALTED) | | 22 | |
| 23 | RETURN ADDRESS (PUT routine) | | 23 | |
| 24 | ->INPUT SERVICE r/n | | 24 | |
| 25 | ->OUTPUT SERVICE r/n | | 25 | |
| 26 | STOUT Continuation address | | 26 | |
| 27 | PRINT QUEUE NUMBER for POST routine <i>bit 7 = repeat</i> | | 27 | |
| 30 | RETURN ADDRESS (GET PASSWORD routine) | | 30 | |
| 31 | Debug Control Word | | 31 | |
| 32 | <i>bit 7 = no flash</i> | | 32 | |
| 33 | | | 33 | |
| 34 | | | 34 | |
| 35 | Original GET routine return address (used by COMMAND rtn) | | 35 | |
| 36 | <i>STIN length</i> | | 36 | |
| 37 | <i>STOUT Alternate Byte Address of message</i> | | 37 | |
| 40 | <i>STIN</i> Continuation address | | 40 | |
| 41 | | | 41 | |
| 42 | OVERFLOW CHARACTER | | 42 | |
| 43 | | | 43 | |
| 44 | | | 44 | |
| 45 | | | 45 | |
| 46 | FLASHBACK DEVICE CODE (0=no flashback) | | 46 | |
| 47 | INx2 | | 47 | |
| 50 | Count | | 50 | |
| 51 | Input Count or Status or Actual EOF | INPUT SERVICE | 51 | |
| 52 | *ENTRY INPUT SERVICE ROUTINE | | back address | 52 |
| 53 | JSBR I 1724 | | | 53 |
| 54 | <i>Pi=</i> | | | 54 |
| 55 | | | 55 | |
| 56 | OUTx2 | | 56 | |
| 57 | <i>ESsects Control Word</i> | | 57 | |
| 60 | *ENTRY OUTPUT SERVICE ROUTINE | OUTPUT SERVICE | back address | 60 |
| 61 | JSBR I 1725 | | | 61 |
| 62 | <i>Pi=</i> | | 62 | |
| 63 | PLAIN PAPER PRINT QUEUE NUMBER (assigned by "U" COMMAND) | | 63 | |
| 64 | ESCAPE POINT assigned by "Specify Escape Point" rtn | | 64 | |
| 65 | FLASH REQUEST WORD | | 65 | |
| 66 | TASK NO of PRINTER CONTROLLED by COMMAND rtn | | 66 | |
| 67 | | | 67 | |
| 70 | | | 70 | |
| 71 | | | 71 | |
| 72 | Default Restart Address | | 72 | |
| 73 | Save A Reg } Saved by JSBR IZ 1703 rtn | | 73 | |
| 74 | Save B Reg } | | 74 | |
| 75 | FILE TABLE MASK (bits 17&16) | | 75 | |
| 76 | RETURN ADDRESS (Name & Address Processor) | | 76 | |
| 77 | EXIT COUNTER (Name & Address Processor) | | 77 | |

LOS PRINTER TASK CONTROL AREA (TCA)

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| Step | | Octal | Step |
|------|---|-------------------------------------|----------------|
| 00 | | | 00 |
| 01 | | | 01 |
| 02 | | | 02 |
| 03 | | | 03 |
| 04 | | | 04 |
| 05 | | | 05 |
| 06 | | | 06 |
| 07 | copied to | ->PRINT BUFFER (3600-) | 07 |
| 10 | 0/0065 each | ->SPOOL BUFFER (3400-) | 10 |
| 11 | time task | ->Next Record No. for SPOOL routine | 11 |
| 12 | regains CPU | | 12 |
| 13 | control | ->MASTER BUFFER (3200-) | 13 |
| 14 | | ->FILE TABLE | 14 |
| 15 | | ->TASK CONTROL AREA origin (3720-) | 15 |
| 16 | | PROGRAM NAME | 16 |
| 17 | | (4 characters ASCII spacefilled) | 17 |
| 20 | FLAGS | OUTPUT DEVICE CODE | *TCA ORIGIN 20 |
| 21 | | | 21 |
| 22 | RETURN ADDRESS A | (=377777 if task HALTED) | 22 |
| 23 | RETURN ADDRESS B | | 23 |
| 24 | | | 24 |
| 25 | | | 25 |
| 26 | | | 26 |
| 27 | PRINT QUEUE NUMBER for POST routine | <i>B17 = reprintable</i> | 27 |
| 30 | RETURN ADDRESS (printer output routine) | | 30 |
| 31 | Debug Control Word | | 31 |
| 32 | <i>Current Status</i> | | 32 |
| 33 | PRINTERIDENTIFIER LETTER (ASCII) | | 33 |
| 34 | PRINTER CONTROL WORD (B15="L" COMMAND) | | 34 |
| 35 | LENGTH OF INNER PRINT BUFFER (characters) | =132 | 000204 35 |
| 36 | PROGRAM ENTRY POINT | | 36 |
| 37 | ->USER'S TERMINATION ROUTINE | | 37 |
| 40 | OUTER PRINT BUFFERS IN USE counter | | 40 |
| 41 | SUSPEND or CANCEL COMMAND REQUEST INDICATOR | | 41 |
| 42 | B17=NO CANCELLATION/ TASK NO to be flashed when printed | | 42 |
| 43 | PRINT QUEUE NUMBER assigned by "P" COMMAND | | 43 |
| 44 | PROGRAM NAME last loaded into partition | } | 44 |
| 45 | (4 characters ASCII spacefilled) | | 45 |
| 46 | A reg at entry to Printer Output Routine | | 46 |
| 47 | Count of LINE FEEDS pending | | 47 |
| 50 | ->OUTER BUFFER A | } exchanged dynamically | 50 |
| 51 | ->OUTER BUFFER B | | 51 |
| 52 | <i>B17 = Reprintable -> B16 = Reprint</i> | | 52 |
| 53 | | | 53 |
| 54 | | | 54 |
| 55 | | | 55 |
| 56 | | | 56 |
| 57 | | | 57 |
| 60 | | | 60 |
| 61 | | | 61 |
| 62 | | | 62 |
| 63 | | | 63 |
| 64 | | | 64 |
| 65 | | | 65 |
| 66 | | | 66 |
| 67 | | | 67 |
| 70 | PAGE NUMBER | | 70 |
| 71 | | | 71 |
| 72 | Default Restart Address | | 72 |
| 73 | Save A Reg | } Saved by JSBR IZ 1703 rtn | 73 |
| 74 | Save B Reg | | 74 |
| 75 | FILE TABLE MASK (bits 17&16) | | 75 |
| 76 | RETURN ADDRESS (Name & Address Processor) | | 76 |
| 77 | EXIT COUNTER (Name & Address Processor) | | 77 |