

CSI-SORT 1.03 (Early Release) - revision date: 06/13/2006

- Support for tape and disk (including VSAM)
- Support for E15, E32, and E35 exits
- Support for INPFIL and OUTFIL exits
- Full support for INCLUDE, OMIT, INREC and SUM
- Partial support for OUTREC (behaves like INREC)
  - Formatted output (OUTREC) is not available at this time, but you can use OUTFIL or an E35 exit.
- JCL (external) and application callable (internal) interfaces
- Compatibility for all DFSORT commands
  - Parameters are either supported or ignored, so there should be no need to change your JCL. Just put the CSI-SORT library in front of your current sort library.
- Support for FIELDS=COPY and MERGE
  - MERGE is treated like a sort, but the E32 exit is available. True MERGE support may be added in the future.
- Sorts are always performed in storage, which results in very good performance in all cases. If "WORK=1" is specified, only the keys and any sum fields remain in storage. The records are all stored in a work file for later retrieval.
- Sorts performed in data spaces unless "GVSIZE=" is specified in the OPTION control statement. In that case, sorts will be performed in partition GETVIS.
  - Better performance for internal sorts without changing your applications
  - Data space sorting has smaller partition requirements
    - Be sure you have enough data space allocated
- Great for customers looking for the basic requirements of a sort package at a lower cost.

#### Installation:

The CSI-SORT zip file contains this text file, and the CSS103ER.jclbin file. You will need to FTP or otherwise transfer the jclbin file to your VSE system, with no CR/LF, and a fixed record size of 80 as binary. The file type of "jclbin" should take care of this for you if you are using FTP.

To install, just release the CSSINST job and indicate the pre-defined library you wish to install the product into at the PAUSE. You then will be given the option of using MSHP (highly recommended) or LIBR for the installation and subsequent maintenance.

Once installed, simply place the CSI-SORT library in front of your existing sort product in the LIBDEF PHASE chain, and you will be able to start using CSI-SORT. Be sure you have enough data space area defined on your system, for data space or work file sorting. If you use a work file, all extents must be on a single volume (DTFSD restriction), and you still must have enough data space to handle the sorting process. For this reason, you may have to expand your page dataset if you are not running with NOPDS. Work files may now also be VSAM managed SAM.

Note: If you want to load the CSI-SORT error messages to the IBM EXPLAIN file, execute the CSI\$SELD.PROC procedure. Be sure to turn EXPLAIN off and then on to reload the file.

#### Use:

The product uses the same commands and parameters as DFSORT from IBM, but some of those will be ignored by CSI-SORT. Output to SYSLST or SYSPCH is also supported.

You will need to get a temporary product code from your CSI sales representative. Use the standard CSI product key handling for CSI-SORT as documented on our web site.

**Problem reporting:**

If you have any problems or requirements, email me at [kmeyer@e-vse.com](mailto:kmeyer@e-vse.com)

Thank you for your interest in CSI-SORT!

Ken Meyer  
CSI

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