

## RSO (BS2000/OSD) Version 3.4

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Pages 2

### Printing from BS2000/OSD on any network printer

RSO (Remote Spool Output) is an optional add-on product supplementary to the central BS2000 spool system. It enables printouts to be produced on network printers ('Host-to-LAN printing').

RSO supports a great many printer configurations with a variety of connection types. As well as the conventional TRANSDATA variants, this also includes the integration of printers connected to a TCP/IP LAN via TACLAN or LAN cards, or even print servers such as Wprint for PCs.

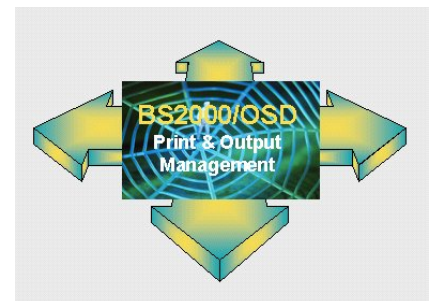
Interoperability with Berkeley-compatible spool systems, made possible by the support for the BSD (Berkeley Software Distribution) / LPD (Line Printer Daemon) protocol (RFC 1179), means that other printers can also be addressed.

The additional support of the HTTP based IPP (Internet Printing Protocol) protocol allows the RSO user to access IPP printers (either printer or server) through the Internet/Intranet.

Thanks to the generic symbolic printer types for the de facto standards PCL, PostScript, IBM Proprinter and EPSON FX/LQ/SQ, practically all printers available on the market are covered.

The universal use of RSO as the central remote spool system in BS2000/OSD is rounded off by the availability of an OLTP interface, which enables RSO also to be used as the spool system for *openUTM* (as of V4.0).

By integrating the functions and user interfaces in the central spool system, uniform, simple yet functionally powerful administration/operation of the printers is assured



## Functional Description

### 1. Flexible User Interface

The user accesses the devices supported by RSO, as well as all other printers, via the SPOOL commands. All central print functions, so far as they are relevant for the given device, are thus available to him.

In addition there are parameters for calling specific functions of the printer concerned, such as duplex printing, rotation, margin setting, selection of input/output tray or sorter, paper format selection, assigning overlays, etc.

Likewise the printout processes for RSO devices can be controlled (change of priorities) or queried.

Optimum portability of printer jobs (for example when a device breaks down or when new models are installed) between functionally equivalent printers, local or remote, is ensured through the utilization of largely device-independent logical interfaces. A transparent mode and symbolic (generic) printer types are also available to provide rapid support for device types for which there is (as yet) no logical support.

### 2. Uniform Administration

Like all other spool devices, the RSO devices can also be managed through the central interface of the system administrator / operator. However, in view of the remote installation of these devices it is often expedient to delegate this function to an authorized user on-site. For this the function of device administrator has been created, who has special powers for certain RSO devices, corresponding to those of the local operator/ system administrator. This means that he can

- direct the assignment of devices,
- interrupt/resume printout tasks,
- influence task processing by altering priorities or initiating termination,
- check the status of the printout jobs assigned to his devices,
- optimize the RSO error handling functions to suit local requirements thanks to the flexibility RSO offers for assigning recovery actions,
- influence specific aspects of RSO behavior for an individual printer by editing the parameter file.

The RSO device data are stored and managed in central files. In addition, these files contain detailed descriptions of the forms to be used, as well as character sets. The management in turn falls to the affected device administrators, while the user can find out the current status at any time.

## Technical data

### Hardware

BS2000/OSD Business Server

Printers supported:

2030, 4011, 4812, 4813, 4818, 4821, 4822, 4824, 4825, 4830, 4850, 8121, 9001, 9002, 9003<sup>1)</sup>, 9004, 9011, 9012, 9013, 9014, 9015, 9021, 9022, 9025, 9026, 9045, 9046, 9097, 9645.

1) Only continuous form paper with single tractor is supported

If connected to a 8112: only one printer per 8112

9001 and 9004 via 9750 DDTs only

No bypass via an 8170 or ITC

### Software

BS2000/OSD-BC V4.0 or higher (SPOOL V4.3 or higher, SPSEERVE V2.5 or higher), IPP needs SPSEERVE V2.6

## Operating mode

Interactive and batch mode

## Implementation language

SPL, Assembler, C

## User interface

Commands English

Message texts English/German (optional)

## Installation

By the user, in accordance with the user guide

## Documentation

RSO User guide

RSOSERVE User guide

## Conditions

This software product can be purchased by the customer against a single payment or leased in accordance with the conditions for the use of software products.

## Warranty

Class: A

Delivery format: Machine language

## Ordering and delivery

This software product may be obtained from your local Fujitsu Siemens Computers regional office.