

## PCS (BS2000/OSD) Version 2.7

Issue October 2005

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### Performance Control Subsystem

PCS distributes the work performed by the resources of a computer system amongst the various categories and tasks in accordance with user requirements (e.g. response time / throughput optimization).

This makes for:

- efficient use of the configuration, even when the load is complex and varying,
- automatic recognition of situations in which the operating behavior deviates from predefined criteria,
- automatic initiation of measures to keep the operating behavior at its optimum.

### Functional Description

- Categorizing of loads:  
Placing the loads in categories (up to 16), according to their characteristics.
- Allocation of resources:
  - Allocation of the service to the categories in accordance with the system administrator's specifications,
  - Graduated handling of the categories in concurrent situations,
  - Preferential treatment of a task within a category on the basis of priority information.
- Influencing the response time behavior by specifying dilation factors.
- Transparency for the system administrator:  
Possible by means of SHOW command information on current service allocation and parameter sets used.
- some system commands for the operation of the active PCS.

The end user can differentiate his resource request by specifying a job class and a priority (if this is allowed by the system administrator).

Operation of PCS comprises the following steps:

### Program Description

PCS controls the load by means of parameter sets. PCS offers the system administrator an interface via which these parameter sets can be defined. This interface consists of

- the utility program PCSDEFINE for the production, manipulation and listing of these PCS parameter sets and
- The system administrator uses a standard parameter set or defines one of his own.
- The operator starts PCS and assigns this parameter set.
- The system administrator and operator can have data on the status of PCS displayed on the console at any time.
- The system administrator and operator can modify PCS parameters during operation or deactivate PCS entirely.
- In a current system with PCS can be intervened in conflict situations with the command /MOVE-TASK-TO- CATEGORY without PCS restart.
- When PCS is deactivated, PRIOR is automatically switched to.

**Technical data**

Hardware

BS2000/OSD Business Server/Business Server SX Series

Software

BS2000/OSD-BC V6.0

**Operating mode**

Interactive and batch mode

**Implementation language**

Assembler, SPL

**User interface**

Menu-driven in the PCSDEFINE utility routine or

Commands English

Message texts English/German (optional)

**Installation**

By the user as per the release notice

**Documentation**

PCS User Guide

**Demands on the user**

Knowledge of system administration and system control

**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