



# A L L O C A T I O N   C O N T R O L   C E N T E R

## ADVANTAGES OFFERED BY ALLOCATION CONTROL CENTER (ACC)

ACC is an MVS software product designed to provide comprehensive facilities that can automate many of the routine tasks associated with managing storage — both tape and disk. ACC is a perfect vehicle for standards enforcement, volume placement or pooling, tape management, and DFSMS/MVS enhancement.

ACC features are available for new technology — such as dynamic UCBs, Data Striping, 4 digit UCB numbers, and 31-bit UCB addresses, MVS/ESA release 5.2, etc.

ACC is supported and actively developed and enhanced by the original authors. ACC is sold and supported by some of the most experienced storage management professionals in the business.

ACC can perform its functions for data sets regardless of whether they are VSAM or non-VSAM, SMS managed or not, and whether they are destined for a specific volume or a group of volumes (i.e., no VOL=SER= coded).

ACC allows you to manage your allocations at the level you choose. All data sets, or some group of data sets, or a single data set can take particular actions. For example, many customers use different options for production and test. A global option does not give the flexibility you need in a complex environment.

### STANDARDS ENFORCEMENT

Basis for Standards Definition	300+ variables
Selective Standards Enforcement	yes
User Defined Messaging	yes
Correct JCL to meet standards	yes
Correct VSAM IDCAMS operands	yes
Enforce Standards for DISP=OLD Data Sets	yes
Change DISP=OLD Data Set JCL	yes

### POOLING

Basis for Pooling	300+ variables
Forced VSAM INDEX & DATA Separation	yes
SRM Volume Selection	yes
Identical to SMS	yes
Maximum Space Volume Selection	yes
Fragmentation Index Volume Selection	yes
Best Fit Volume Selection	yes
Keep Away Volume Selection	yes
Actual Performance Data for Volume Selection	yes
Access to Post-DADSM Information	yes
Tape Pooling	yes
UNIT esoteric per pool/EDTGEN required?	no
Support for 'dummy' volumes or unit names	yes

### DFSMS/MVS RELATED FEATURES

Access & Override SMS constructs	yes
Access DFSMS control information	yes
DFSMS ACS routine tracing	yes
Subpooling within SMS Storage Group	yes
Write SMS control blocks	yes
Create SMF records from SMS control information	yes
Test ACS Routines Using Production Data	yes
Test "Future" ACS Routines & Place on	
SMS Volumes	yes
Substitute Maximum Space volume Selection	yes
Fragmentation Index Volume Selection	yes
Best Fit Volume Selection	yes
Actual Performance Data for Volume Selection	yes

### TAPE MANAGEMENT ENHANCEMENTS

Automate tape-to-disk (TTD) conversion	yes
Automate Tape Mount Management (TMM)	
conversion	yes
Determine Which Approach (TDD or TMM) is Best	yes
Create JCL Overrides	yes
Pool to Appropriate Disk Devices	yes
Optionally assign SMS constructs	yes

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OTHER FEATURES

	If-Then-Else
Selection Language	no
Assembly / Link Required to Change	no
Selection Criteria Variables	300+ variables
Abbreviation of Variable Names	yes
User Defined Messaging	yes
TRACE for debugging	yes
Online Syntax Checking	yes
Support for called procedures	yes
Support for tables	yes
Filter List Support	yes
Subfield EQUATE definition	yes
Complex Math Between Variables	yes
Create & Issue Operator Commands	yes
Active, Inactive and Warn Mode Operation	yes
Selective Rules Testing	yes
Compatible with DFHSM RECALLS	yes
Dynamic BatchLSR conversion	yes
New Technology Supported	yes
Dynamic UCBs, Data Striping, 4 digit UCBs, 31-bit UCB addresses, MVS/ESA release 5.2, etc.	
Licensing Validation w/o Restarting Product	yes
Checkpoint Processing for Rules Language	yes

ACC uses a simple If-Then-Else rules language that is straight forward, and self documenting. No assembly or link is required for changing. ACC can be controlled simply, in a single rule member (optionally, a modular approach can be used, if desired). There is no need for a complex external ISPF interface to keep track of multiple members for defining your rules.

Over 300 variables are available for describing a group of data sets for which you want like actions taken. You can code nested ifs, do-end groups, procedures, tables and filter lists. The language allows for pattern matching, subfield EQUATE definition, and abbreviation of variable names.

ACC allows you to perform complex mathematics between variables. Most customers are able to eliminate mods and exits.

ACC allows for user defined messaging, SMF record creation, and operator commands. Messages can be printed to the job, the system log, to an online data set, to a specific TSO user, to the SMF file, or some combination of these.

ACC offers a detailed audit report, which can include user defined information.

ACC offers a sophisticated, comprehensive TRACE facility, which makes debugging your rules a snap. The single TRACE is easy to use, and easy to read, and was part of the original product design. Some products require several different traces to diagnose — a sure sign that the TRACE facilities are an after thought or add on, not part of an integrated design.

A new rule group within ACC can be placed in TEST mode and only processed by jobs containing a particular file. This allows production and test rules to safely reside side by side.

ACC allows you to syntax check your rules prior to implementation. This is great when changes to the rules are made in the morning, but will be implemented by non-technical personnel later during the production schedule.





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ACC allows you to validate your licensing information without actually starting the product. This can be of benefit when changing CPUs or testing on a different CPU. ACC also features a checkpoint data set for your rules, insuring that the product will always have a working set of rules available for starting.

ACC allows you 5 different ways to pick a volume within an ACC pool, or an SMS storage group. You can choose the volume with the most space; the volume with the lowest fragmentation level; the volume where the allocation will fit the best; the volume delivering the best performance over a specified window of time, such as the last 60 seconds; or the volume chosen by the normal MVS System Resource Manager (SRM) algorithm.

ACC allows you to use 'dummy' unit names, which can eliminate defining your unit groups in the EDTGEN. It also allows the use of 'dummy' volume names in IDCAMS DEFINES.

ACC can 'pool' tapes based on UCB address. No esoteric unit names or EDTGEN is required for directing tapes. With ACC's DYNAPPOOL feature, specific tape units can be reserved for specific jobs, such as backups.

ACC allows subpooling within an SMS Storage Group. And using ACC, you can have a volume in more than one subpool, and can use primary volumes for overflow volumes. All of the SMS constructs can be accessed and changed using ACC. ACC can be

used to write your ACS routines, which allows you access to ACC's debugging tools and allows you to create a thorough audit trail - things that are difficult to do with SMS.

When using ACC to test changes to your SMS rules, you can have the allocation placed on an SMS managed volume, and record where the placement will be after your new rules are in production. Some products that claim to be good vehicles for testing SMS placement do not allow the data set to reside on an SMS managed volume while testing.

ACC includes REXX procedures for automating tape management - both tape-to-disk conversion, and Tape Mount Management. ACC will assign DASD space related information, and remove information that was relevant to a tape allocation, but misleading for a disk allocation. The space information is based on historic tape usage for the data set, resulting in an accurate estimate of space needed, as opposed to the "good guess" recommendation if using SMS to assign data class. ACC can even be used to automatically decide if the data set is a good candidate for tape-to-disk conversion, or Tape Mount Management, and handle it appropriately.

With access to over 300 variables, your naming standards can be 100% enforced. You have the choice of simply recording a violation, rejecting a non-standard request, or in many cases you can actually update the request to conform to your standards. ACC is able to change JCL statements, dynamic allocation statements, and IDCAMS control statements. Nearly anything that makes sense to change can be changed with ACC.



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