

IBM TotalStorage	0		IBM
Trade Marks			
DFSMSdfp	DFSMSdss	DFSMShsm	
DFSMS/MVS	DFSORT	IPCS	
RAMAC	SnapShot	FlashCopy	
z/OS	ESS	RVA	
ESCON	PAV		

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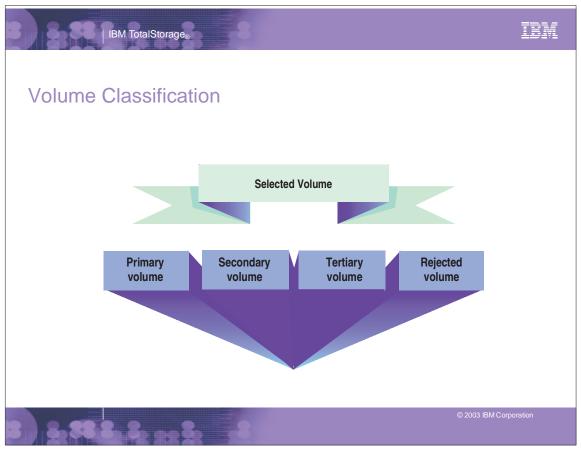
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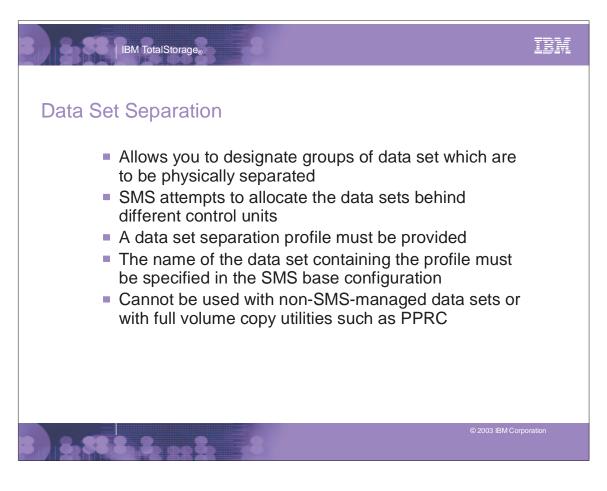
## Abbreviations

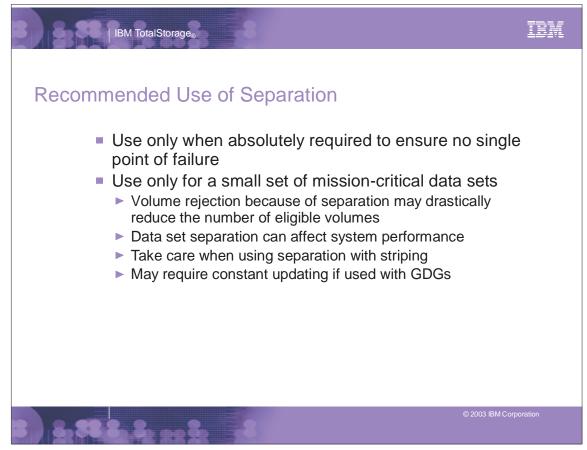
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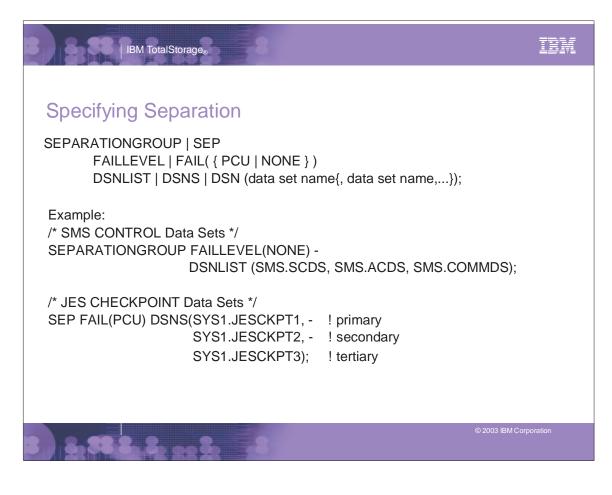
DC/Dataclas	Data class	
DFW	DASD fast write	
EOV	End of volume	
IART	Initial access response time	
MSR	Millisecond response	
PCU	Physical control unit	
PPRC	Peer to peer remote copy	
SC/Storclas	Storage class	
SDR	Sustained data rate	
SG/Storgrp	Storage group	

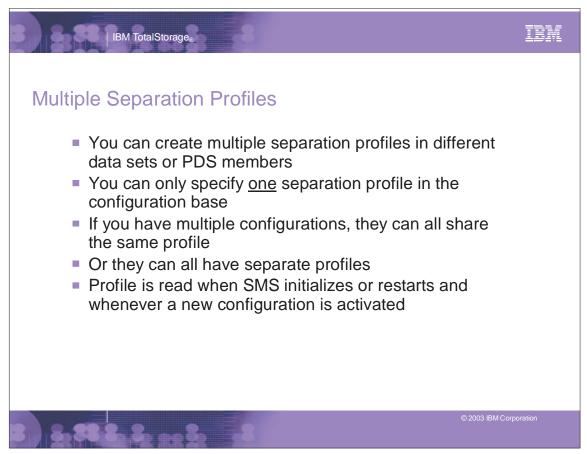


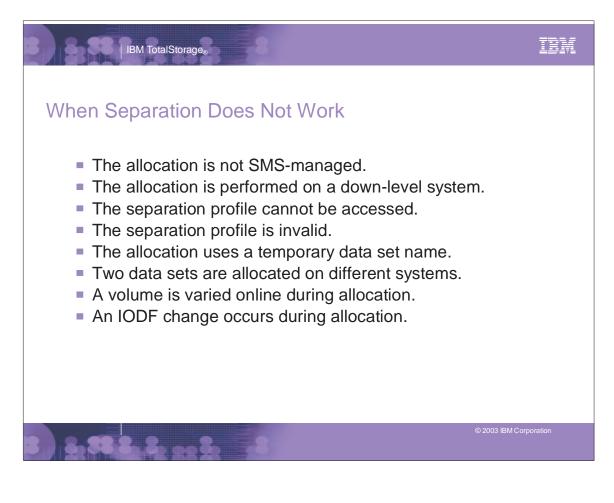


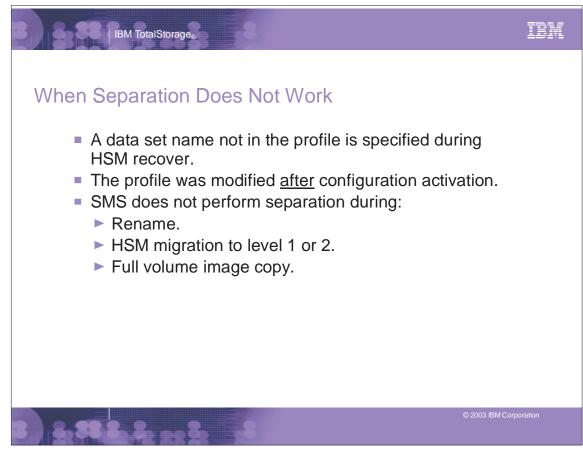


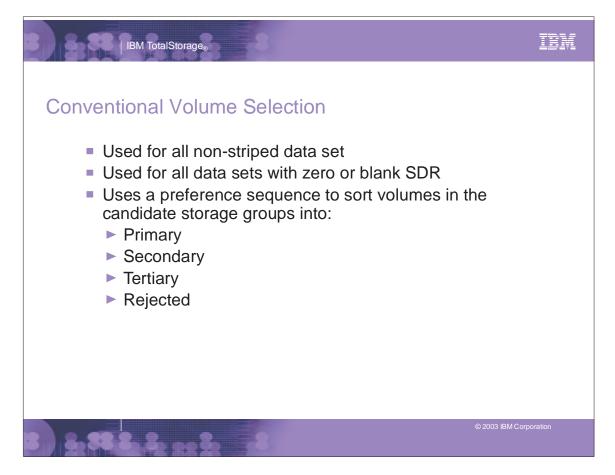












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Criteria	Preferences	Pref. Value
VIO	A VIO storage group is made eligible by the storage group ACS routine and is eligible only when the data set is VIO capable	8192
Data Set Separation	Volume not on same PCU as data set from which it is separated.	4096
Volume Count	Volume is in a storage group that can satisfy the volume count.	2048
High Threshold	Volume has sufficient space without exceeding high threshold.	1024

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### Volume Selection Evaluation Process

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Criteria	Preferences	Pref. Value
SMS Status	Volume and its storage group are both enabled.	512
EOV Extend	For EOV extend, volume does not reside in the extend storage group.	256
Non-Overflow	Volume resides in a non-overflow storage group.	128

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# Volume Selection Evaluation Process...

IARTVolume is mountable and IART specified is non-zero.SnapshotVolume is on same snapshot capable controller as the data set.AccessibilityController for volume supports accessibility & value is PREF. Or controller does not support it and value is STANDARDAvailabilityController for volume supports accessibility & value is PREF.	i. Je
capable controller as the data set.AccessibilityController for volume supports accessibility & value is PREF. Or controller does not support it and value is STANDARDAvailabilityController for volume supports 	64
accessibility & value is PREF. Or controller does not support it and value is STANDARDAvailabilityController for volume supports availability & value is PREF.	32
availability & value is PREF.	16
Or controller does not support it and value is STANDARD	8

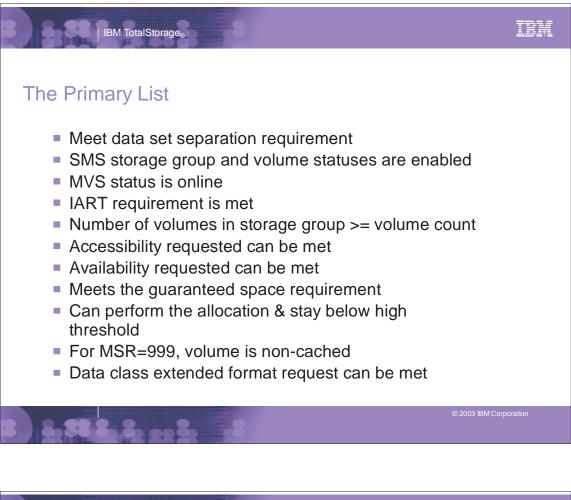
TBM

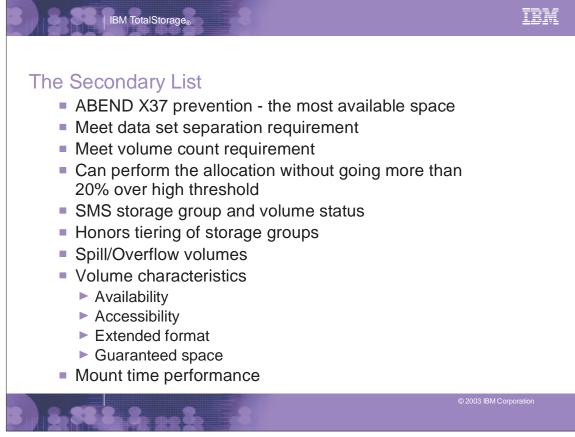
# Volume Selection Evaluation Process...

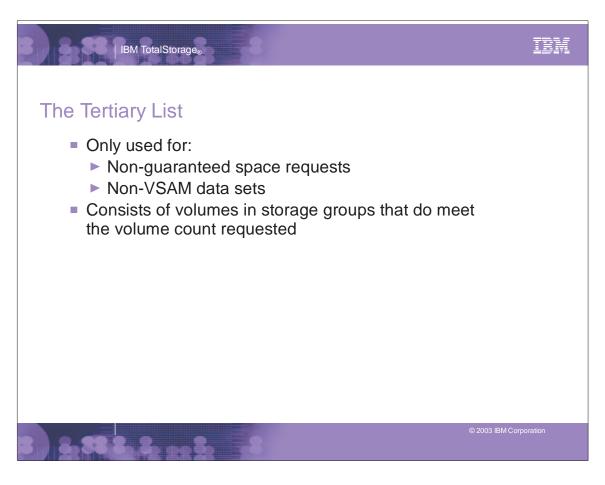
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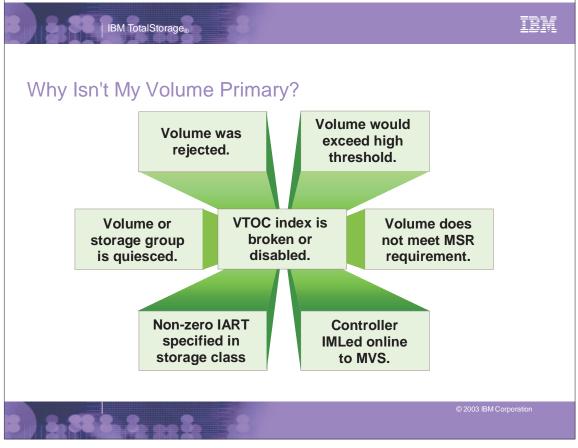
Criteria	Preferences	Pref. Value	
Extended Format	Volume is on a control unit that supports extended format and IF EXT is PREF.		4
Millisecond Response (MSR)	Volume provides the requested response time specified in direct or sequential MSR.		2
	Volume provides a faster response time that requested in the direct or sequential MSR		1

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Example		
Volume A		
Does not have sufficient space	0	
Volume & storage group are enabled	512	
Volume is in a non-overflow storage group	128	
Volume is on a control unit that		
supports accessibility & value is PREF.	16	
Total preference value for Volume A:	656	
Volume B		
Has sufficient space	1024	
Volume & storage group are enabled	512	
Volume is not in a non-overflow storage group	0	
Volume is not on a control unit that		
supports accessibility & value is PREF.	0	
Total preference value for Volume B:	1536	
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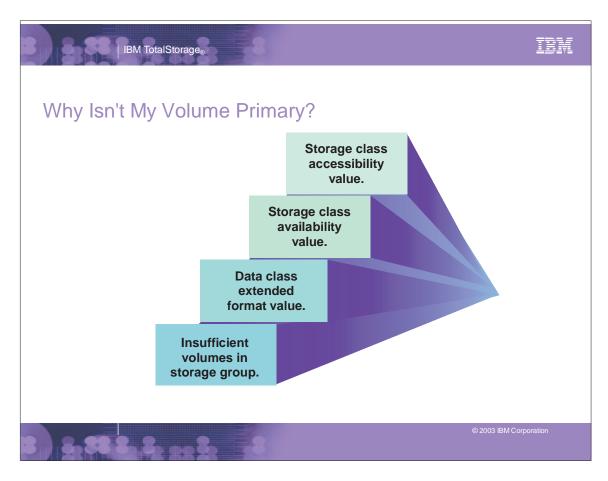


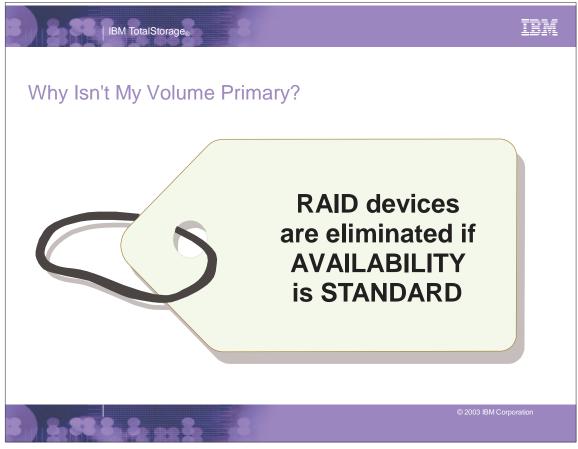




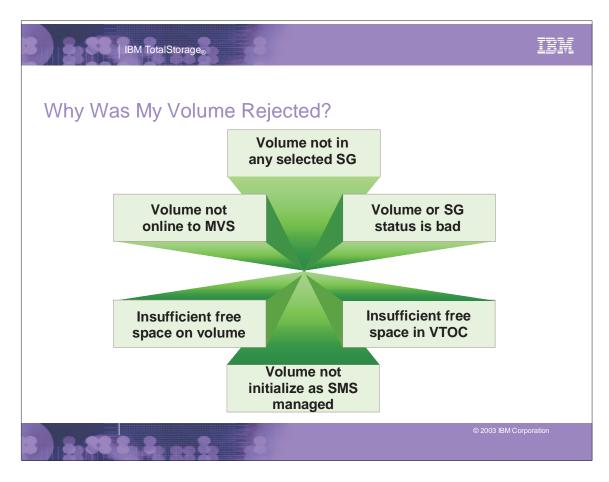


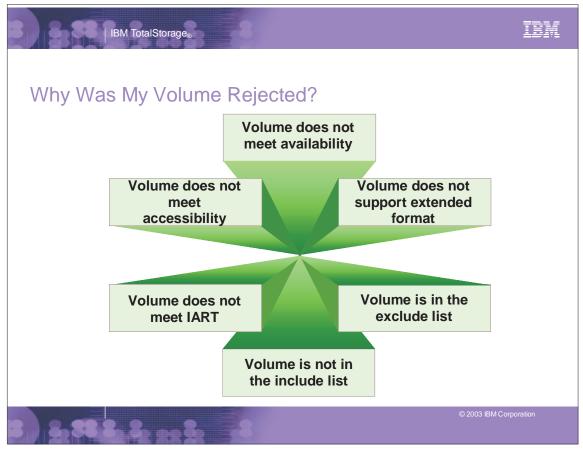
SMS Volume Selection



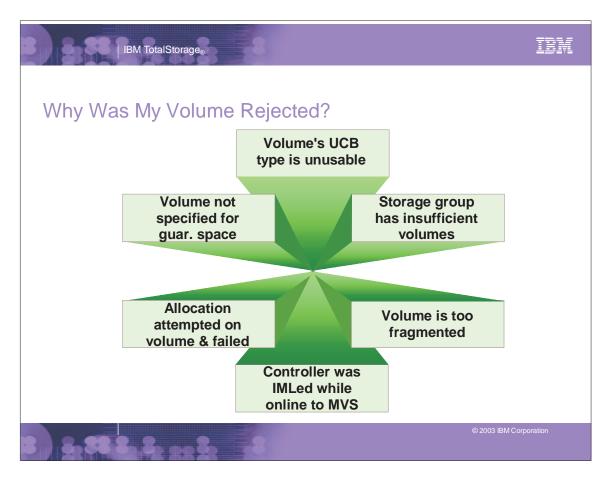


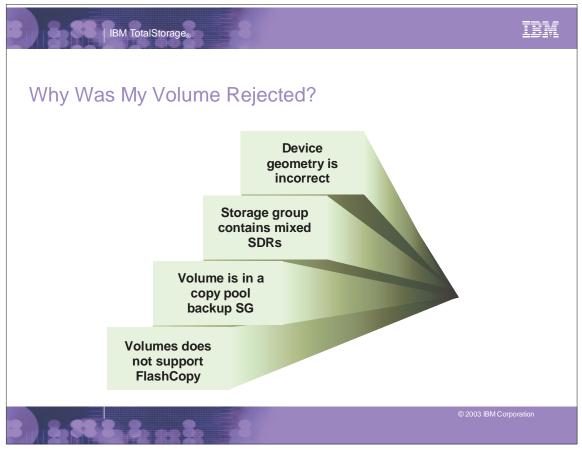
SMS Volume Selection

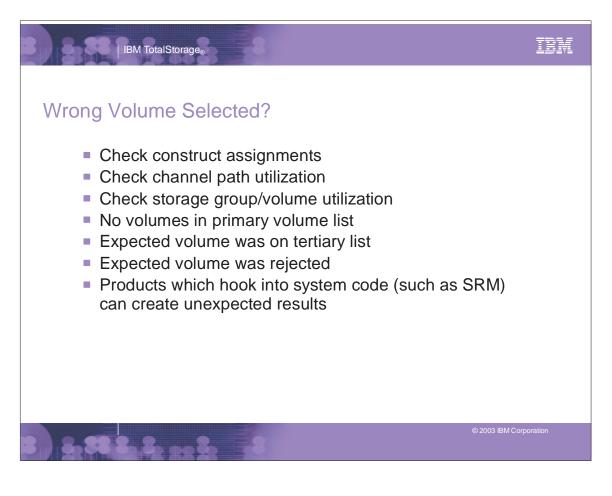


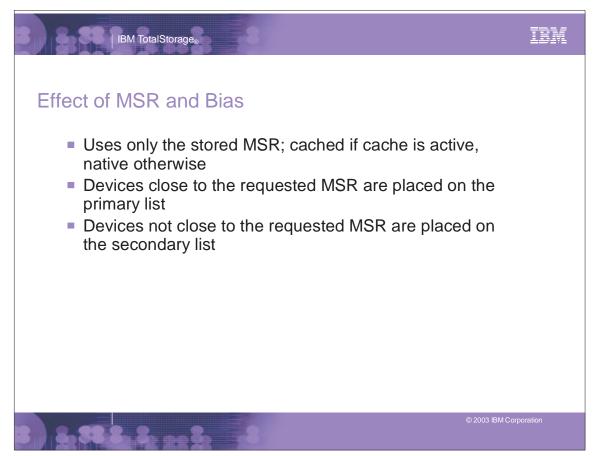


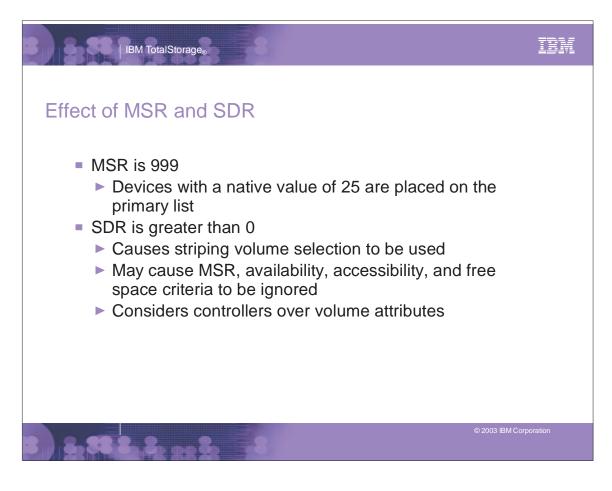
SMS Volume Selection











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Effect of Availability		
Availability	Effect	
Continuous	Dual Copy and Array DASD only	
Preferred	Array DASD preferred	
Standard	Simplex volumes preferred	
No Preference	All volumes except dual copy considered equal	
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### Effect of Accessibility

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First Choice	Second Choice	Third Choice	Specify:
Versioning device	None	None	Access=C Version=Y Backup=N
Method 1 backup device	None	None	Access=C Version=N Backup=Y
Versioning or backup device	None	None	Access=C Version=blank Backup=blank
Versioning or backup device	Non-accessibility device	None	Access=P Version=blank Backup=blank

#### IBM IBM TotalStorage® Effect of Accessibility.... **First Choice Third Choice** Second Choice Specify: Versioning or Method 1 backup Non-accessibility Access=P method 2 backup device device Version=Y Backup=Y device Access=P Versioning Non-versioning None device device Version=Y Backup=N Non-accessibility Versioning or None Access=S backup device Version=blank device Backup=blank Any device None None Access=N Version=blank Backup=blank

