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IBM mySAP.com **Sizing and Planning Questionnaire**

Send completed questionnaire to either your local IBM contact or:

North and South America	IBM Americas Techline Solutions Sizing
by E-mail	eSizings@us.ibm.com
or Fax	+1 845-491-2372
Europe, Middle East, and Africa	IBM EMEA Techline / ISICC
IBMers send file to and then raise Techline Request through	ERPEMEA@it.ibm.com http://w3-5.ibm.com/support/emea/techline
BPs send file to and then raise Techline Request through	ERPEMEA@it.ibm.com PartnerInfo/PartnerLine
Others by E-mail	isicc@de.ibm.com
Asia, Pacific	IBM SAP International Competence Center
by E-mail	isicc@de.ibm.com
or Fax	+49 6227 73 1052

For more information about IBM mySAP.com solutions, go to http://www.ibm.com/erp/sap

For online entry of data from this questionnaire, go to

http://service.sap.com

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1.0 INSTRUCTIONS FOR COMPLETING THE QUESTIONNAIRE

Before completing the questionnaire, read the *Important Notes* on the next several pages. Then follow the steps below.

- 1. Read all of the Important Notes.
- 2. Complete the general sizing questions, providing special notes or comments about your mySAP.com project. (Section 4)
- 3. Complete the SAP Quicksizer Sizing questions. (Section 5)
- 4. Return the questionnaire to IBM, or, enter the data directly into the QuickSizer at web address: http://service.sap.com (you will need an OSS User ID and an SAP customer number which you can get from your local SAP representative).

2.0 IMPORTANT NOTES

2.1 Purpose of the Questionnaire

The purpose of this questionnaire is to collect information that will be used to estimate the IBM hardware resources required to run the basic mySAP.com application suite on S/390/zSeries, AS/400/iSeries, RS/6000/pSeries, Netfinity/xSeries or mixed environments. The sizing estimate results will include recommendations for CPU(s), memory, and disk. In addition, information from the sizing questionnaire may be used by an IBM sales representative or business partner to develop an IBM hardware configuration to support the proposed mySAP.com installation.

2.2 What is a Sizing Estimate?

A sizing estimate is an approximation of the hardware resources required to support a mySAP.com implementation. It is a <u>pre-sales effort based on information available at a point in time, providing an entry into understanding the customer's hardware requirements. Customers' actual experiences will vary from the sizing estimate for many reasons, including batch and reporting workloads, and custom code. The degree of variability can range from small to very significant.</u>

Most likely, there will be software, server, and network requirements that are not addressed by this sizing estimate. For example, many mySAP.com installations run software for systems management, EDI translation, file transfer, help desk management, etc. To determine the complete hardware and software configuration required for your mySAP.com implementation, we recommend that you work with an mySAP.com specialist who will help you to develop the overall system architecture.

Sizing the hardware requirements for each customer's mySAP.com implementation is an *iterative process*, which may be refined and repeated a number of times. If you are in the early stages of planning, you will probably have limited information about your planned mySAP.com environment. In this case, we can complete the sizing estimate with general information about the numbers of users your IBM mySAP.com system needs to support. When you are further along in your mySAP.com implementation planning, you will know more about mySAP.com, the mySAP.com applications you plan to use, and your potential mySAP.com transaction activity. At that time, you may request another sizing estimate based on more detailed information. In any case, after receiving the results of a sizing estimate, you may choose to revise your input and request a re-sizing.

It is important to understand that the sizing estimate is a pre-sales effort mainly based on benchmark performance data; it should not replace capacity planning for installed systems. You can use the sizing estimate for pre-installation planning; however, once you are in the process of implementing mySAP.com, you should work with an IBM/SAP Capacity Planning consultant to monitor and predict the ongoing resource requirements e.g. for your production R/3 system.

The IBM/SAP sizing methodology is continually reviewed and revised to provide the best possible estimate of the IBM hardware resources required to run mySAP.com. Guidelines for sizing mySAP.com come from a number of sources, including SAP, SAP R/3 benchmarks, and customer feedback. Based on information from these sources and your completed sizing questionnaire, we will analyze your mySAP.com requirements and recommend an IBM hardware configuration.

Customer results may vary, and IBM assumes no liability for actual results that differ from the sizing estimate.

2.3 How to Obtain Assistance and IBM Contacts

The questionnaire was designed so that you can answer it without detailed knowledge of mySAP.com. IBM has established the Techlines Solutions Sizing team to provide assistance to your queries and help to size and configure your mySAP.com Solution . These have been established on geographical basis to address them locally. To make sure that you are using the latest version of this questionnaire, or if you have any questions about it and also once you have filled in the questionaires please contact:

For North and South Americas: IBM Americas Techline Solutions Sizing

- To obtain a softcopy of the questionnaire, visit http://www.ibm.com/erp/sizing or ask your IBM Representative or send a request to the IBM Sizing Center at eSizings@us.ibm.com
- For questions, you can reach the IBM Sizing Center at 800-IBM-0222 or at 888-IBM-5525 option 6.

For Europe, Middle East and Africa: IBM EMEA Techline Solutions Sizing

• To obtain a softcopy of the questionnaire, ask your IBM Representative or send a request to the IBM Sizing Center at ERPEMEA@it.ibm.com

For ASEAN / South Asia : IBM ASEAN/SA Techline Solutions Sizing

• To obtain a softcopy of the questionnaire, ask your IBM Representative or send a request to the IBM Sizing Center at techline@my.ibm.com

For others

Contact the IBM SAP International Competency Center at <u>isicc@de.ibm.com</u>

For additional information on IBM and mySAP.com, go to

External : http://www.ibm.com/erp/sap

Internal : http://w3.isicc.de.ibm.com

Other contacts for IBM Internal

For Europe, Middle East and Africa : IBM EMEA Techline Solutions Sizing

http://w3-5.ibm.com/support/emea/techline

For Asia Pacific, ASEAN /SA : IBM Asia Pacific Techline Solutions Sizing

http://w3-6.ibm.com/support/ap/asean/techline/

2.4 User-Based vs. Quantity structure Based Sizing

You must decide whether you want a user-based sizing or a quantity structure-based sizing. If you have limited information about your planned mySAP.com implementation, we suggest a user-based sizing. If you have more detailed knowledge of mySAP.com and your planned implementation, you may prefer a quantity structure-based sizing. Since the quantity structure-based sizing requires more detailed information, it may provide a more accurate estimate of the hardware resource requirements. If you do select the quantity structure-based sizing, you must answer the quantity structure-based sizing questions, as well as the user-based sizing questions. When we complete the sizing estimate, we will evaluate both the user-based and quantity structure-based sizing results, and recommend the larger of the two solutions.

2.5 IBM/SAP Sizing Methodology and Terminology

Sizing Methodology

The objective of the IBM/SAP sizing methodology is to estimate the hardware resources required to support your peak hour of business processing. Our sizing philosophy is that if we size the hardware to provide acceptable response time for the peak application workload, then all workloads outside of the peak hour should also provide acceptable response time.

Your first step in the sizing process is to identify your organization's peak hour of processing. Next, you will complete the sizing questionnaire, providing information about your planned mySAP.com online and batch processing for the peak hour. In the Sizing Center, we will use the IBM/SAP sizing tools to convert your questionnaire responses into potential mySAP.com workload and estimate the hardware resources required to support the system.

Note: For quantity structure-based sizings, some customers cannot identify specific application volumes for the peak hour. In those cases, we will accept average yearly volumes.

Identifying the Peak Hour of Processing

Before you can specify your online and batch transaction volumes, you must identify your peak hour of processing. The peak hour is the busiest hour of activity from an information-processing standpoint. It is the hour in which the CPU utilization is the highest. In identifying your peak hour, consider how your processing volumes vary throughout the year and select a peak hour during the busiest time of the year. If you do not know the peak hour, you may need to survey the user departments of the various mySAP.com modules.

Typically, the peak hour occurs somewhere between 8:00 a.m. and 6:00 p.m., but this can vary. In the illustration on the next page, the thick line shows the transaction volumes for all of the SAP R/3 modules used in one organization, with the peak hour occurring from 10:00 a.m. to 11:00 a.m.

Identifying the Online Processing Volumes

Once you have identified the peak hour, you must identify the mySAP.com functions that will be in use during that hour (refer to the illustration below). For a user-based sizing, you will identify the mySAP.com modules that will be active during the peak hour and the numbers of users of each module. For a quantity structure-based sizing, you will breakdown the modules by transaction and specify the number of transactions to be processed during the peak hour. For example, in a user-based sizing, you would indicate that 20 Financial Accounting (FI) users will be active; for a quantity structure-based sizing, you would specify some number of FI transactions like A/P Payments, A/R Invoices, GL Postings, etc.

Note: It is important to understand that you should not include every mySAP.com module/transaction to be used by your organization. Instead, you should report only those mySAP.com modules/transactions that will be active during the peak hour.



Identifying the Peak Processing Hour and SAP Transaction Workload

Identifying the Batch Processing Workload

The next step is to identify the batch processing workload. For a user-based sizing there is heasdroom being taken into the calculation by the SAP quicksizer. For a quantity structure-based sizing, you will identify the batch quantity structure volumes for the peak hour in the input "quantity structure II" section of the SAP quicksizer.

Note: In most organizations, the peak hour occurs during the day and includes both online and batch processing. However, for some organizations, overnight batch processing actually requires more CPU resources than the daytime workload (i.e., the peak hour occurs at night with little or no online activity). If this is the case for your organization, you must request a quantity structure-based sizing and provide

application volumes for the batch jobs that will run during the peak hour. We will size your system to accommodate this batch workload.

Sizing Assumptions

This sizing estimate will predict the resources required to support your mySAP.com activity with default values for CPU utilization, batch, spool, and reporting. The default values have been determined as a result of our experience with many mySAP.com projects and sizings. You may, however, change one or more of the default sizing assumptions. The sizing assumptions and default values are listed in section ahead

2.6 Sizing Assumptions

The SAP Quick Sizer Tool uses the following assumptions.

Questions	Default	
Power user think time (user characteristics are described in Section 5)	10 seconds	
Standard user think time (user characteristics are described in Section 5)	30 seconds	
Occasional user think time (user characteristics are described in Section 5)	360 seconds	
Amount of data created daily per user?	1.5 MB	
Data retention period for disk storage?	1 year	
	Asia/Pacific	300
Number of working days per year?	Americas	250
	Europe	200

2.7 Special Instructions for Installed R/3 Customers or Upgrade Customers

In general, this sizing exercise is intended for new mySAP.com implementations. However, customers who are expanding an existing SAP R/3 installation with new application modules or additional users may use a sizing estimate to help determine the additional resource requirements. In these cases, the sizing estimate must be used in conjunction with an *IBM Insight for SAP R/3 Analysis*, a no-charge IBM offering that provides a workload analysis of the customer's currently installed R/3 system.

When the sizing request accompanies an Insight Analysis, the information provided in the sizing questionnaire should reflect the user or transaction volumes for the new workload only, not the workload for the existing SAP R/3 system. When specifying the user or transaction volumes, only the new SAP R/3 modules or new users should be listed in Sections 5 and 6 of the questionnaire. To complete the sizing estimate, we will obtain the resource requirements for the existing system from the results of the Insight Analysis and the new workload requirements from the sizing questionnaire.

For more information about IBM Insight for SAP R/3, go to http://www.ibm.com/erp/sap/insight

3.0 CONTACT INFORMATION

Please fill in the information on the following contact points. If unknown or not applicable, leave blank.

Company Name	
Street Address	
City, State/Province Zip/Postal Code, Country	
Industry	
Short Business Description	

Customer Contact		
Title		
Phone Number	Fax Number	
E-mail Address		<u>.</u>

SAP Contact		
Phone Number	Fax Number	
E-mail Address		

SAP Value Added Reseller		
VAR Contact		
Phone Number	Fax Num	ber
E-mail Address		

IBM ERP Specialist		
Phone Number	Fax Number	
E-mail Address		

Business Partner Company		
Contact		
Phone Number	Fax	Number
E-mail Address		

4.0 GENERAL SIZING QUESTIONS

In this section, you will tell us about your hardware/software environment. Some of the subsections require responses; others are optional.

4.1 mySAP.com Areas of Application

Area	MySAP.com Areas of Application		
Enterprise Resource Planning	□ SAP Enterprise – Core R/3 (the backend System)		
Business Intelligence	 SAP BW - Business Information Warehouse SAP SEM - Strategic Enterprise Management SAP KM – Knowledge Management 		
Supply Chain Management	SAP APO – Advanced Planner & Optimizer		
Customer Relationship Management (CRM)	 Field Sales Customer Interaction Center Field Service & Service Sales Dispatch Internet Sales Marketing 		
Infrastructure & Middleware	 mySAP.com Workplace System mySAP.com Internet Transaction Server mySAP.com Web Application Server R/3 Plug-In (Extractors) for mySAP.com Components 		
Others	 SAP Employee Self Service SAP Real Estate SAP Real Estate SAP Product Lifecycle Management 		

mySAP.com Areas of Application

mySAP.c	om Industry Solutions	
	Retail	High-Tech
	Utilities	Mill Products
	Telecom	Pharmaceutical
	Banking	Oil + Gas
	Insurance	Service Provider
	Automotive	Engineering + Construction
	Healthcare	Consumer Products
	Public Sector	Aerospace + Defense
	Media	Other

mySAP.com Extended Solution

□ SAP Portals

□ SAP Marketplace

4.2 Current System

Answer the following questions about your currently installed SAP R/3 system (if applicable).

Note: This sizing exercise is intended for new R/3 implementations and for customers who are expanding an existing R/3 installation with new R/3 modules or additional users (refer to the Special Instructions for Installed R/3 Customers in last section of the previous document).

Question	Development	QAS	Production	Neither
Are you currently running				
production and/or non-				
production? (Check Ĩ all				
that apply)				
Current mySAP.com				n/a
Current hardware				n/a
systems/models for				
mySAP.com?				
Current R/3 database				n/a
system?				
Comments:	I			•

4.3 mySAP.com System Landscape (required)

A system landscape consists of the mySAP.com systems and clients that are needed for production. Once the system landscape has been defined, you create an implementation strategy for the setup and maintenance of the systems and clients within this landscape.

IBM and SAP strongly recommend having a three-system landacape. A three-system landscape is comprised of a a development system, a quality assurance system and a production system. This configuration ensures the proper management and testing of changes to the mySAP.com system before applying them to the live production environment. While the development and quality assurance systems could be implemented on a single server, the production system has to be implemented on its own separate system.

System Landscape Definitions		
Production System	A system that contains live business data to which users have access.	
Development System	A system used for ongoing customization of the mySAP.com components and/or the development of new components.	
Quality Assurance System or Consolidation System	A system that enables complete testing of upgrades and new software modules prior to implementation in the production system. This system may also be used to test modifications to system components, such as the operating system, device drivers, new hardware components, etc.	
Technical Sandbox	A system that is used for Basis or DBA training and testing.	
Staging System	A system that is populated with "live" data that may be used for end-user training.	

Production System Requirements

You will provide detailed information on the production system requirements in Sections 5 and 6.

Non-Production System Requirements

In addition to the development and quality assurance systems, you may want to add other non-production systems to the landscape. In the table on the next page, specify the non-production system requirements. Check all of the non-production systems that will be included in the landscape.

For each system you check, write the number of users who will be active concurrently during that system's peak processing hour and the total amount of disk space you want to allocate to the system. If no amount of disk is specified, the minimum requirements for the chosen mySAP.com version will be applied. The quality assurance

General Sizing Questions

system recommendation will have the same amount of disk space as the production system to allow replication and simulation of the production system data.

Non-Production Systems	Number of active users?	Disk space for this system?	Planned Installation Date
Development System		GB	
Quality Assurance System		GB	
Technical Sandbox System		GB	
Staging System		GB	
Other		GB	
Comments:			

Question	Answer
Did you consult with your SAP implementation partner to complete the non-production system questions above? (Circle one) If you answered no , before ordering the non-production system(s), you must work with your implementation partner to determine the requirements for each system (i.e., number of users and disk space), and then request a re-sizing for the system.	yes or no

4.4 Planned Hardware Platform (required)

Which hardware platform(s) would you like to consider for this sizing estimate? Check \tilde{I} a database server and one of its application server options. If you want to consider more than one application server option, please describe each scenario in the comments section below.

Note: For customers with smaller system requirements, a two-tier configuration in which one server provides both the database and application server functions may be appropriate.

SAP	R/3	<i>Enterprise</i>

✓	Database Server	Application Server(s)					
	zSeries	pSeries		RS/6000 SP		xSeries	zSeries
	pSeries	pSeries		RS/6000 SP		xSeries	
	RS/6000 SP			RS/6000 SP			
	xSeries (W2K, Linux)					xSeries	
	iSeries					xSeries	iSeries
Cor	nments:						

Other areas (like APO, BW, CRM, etc) :

~	Database Server	Application Server(s)			
	zSeries	pSeries	RS/6000 SP	xSeries	zSeries
	pseries	pSeries	RS/6000 SP	xSeries	
	RS/6000 SP		RS/6000 SP		
	xSeries (W2K, Linux)			xSeries	
	iSeries			xSeries	iSeries
Со	nments:			i	

4.5 Production System Software Versions

Technology Questions	✓	Answer Options
What release of mySAP.com do you plan to install? (Check 🗸 one)		Release 4.7
		Release 4.6(default)
		Release 4.5
		Other, specify:
What database software do you plan to use with mySAP.com? (Check ✓ one)		IBM DB2 (default)
		Oracle
		SQL Server
		Informix
		Other, specify:

4.6 Network Interface

Network Questions	✓	Answer Options
What LAN network attachment do you want on your servers for connection to the client systems? (Check \checkmark one)		Ethernet 100 Mbps (default)
		Token-Ring 16 Mbps
		Other, specify:
S/390 Only – Which network communication technology do you want between the S/390 database server and the RS/6000 or Netfinity application servers? (Check ✓ one)		Gigabit Ethernet via an OSA-Express
		(Recommended)
		ATM 155, or Fast Ethernet via an OSA- Express attachment
		FDDI, Fast Ethernet,
		OSA-2 attachment
		ESCON (MCA, PCI, or 2216)
		Other, specify:

4.7 Preferred Disk Technology

Disk Technology Questions	✓	Answer Options
Please indicate your preferred disk technology? (Check ✓ one)		SCSI
		SSA
		ESS
		Other, specify:

4.8 Scalability

Critical business applications such as mySAP.com commonly require hardware upgrades over time to meet increasing needs. The IBM server options ensure scalability to provide our customers with a path for future growth. In some sizing scenarios, several different server configurations may be able to address the sizing requirements, but the configuration options may vary in terms of their scalability.

In order for us to make the best sizing recommendation, it is important that we know how important the server scalability is to your organization. Please answer the scalability questions below.

Scalability Questions	~	Answer Options
How important is it that the hardware configuration recommended by IBM addresses scalability for future growth? (Check ✓ one)		Very Important
		Important
		Not so Important
Comments:		

4.9 High Availability

IBM servers offer a wide range of features to address high availability. Some features come as standard, others are optional. In order for us to better determine which high availability options should be included in the recommended configuration, please indicate your preferences for high availability.

High Availability Questions	✓	Answer Options
Do you want a failover system for the production system? (Check ✓ one)		Yes
n you answer yes, you must answer the next two questions.		No (default)
In failover mode, what percentage of your total workload needs to run on the backup system? (Specify a percentage)		100% (default)
To which system or server do you want to failover? (Check 🗸 one)		Application server (default)
		Development system
		Test system
		Separate server in idle standby
		Other, specify:
S/390 Only – For what functions do you want to provide high availability?		DB Server
(Check 🖌 all that apply)		CI (e.g., MSG/ENQ)
Do you want a Uninterruptable Power Supply (UPS) inlcuded in the configuration? (Check √ one)		Yes, for all servers
		Only for the production system
		No
Netfinity Only – In case of a disk failure, do you want hot-spare disks in the		Yes, on database
(Check ✓ one)		No
Do you want to have redundant network attachments in your servers, whenever		Yes, for all servers

4.10 Backup/Restore

Backup/Restore Questions	✓	Answer Options
Do you want a backup device included in the proposed configuration?		Yes
		No
If you answered yes , do you want to have an unattended (automatic) backup, or		Unattended (default)
Do you want to consider a network attached (chared between servers) or a		Attended
Do you want to consider a network attached (shared between servers), or a direct attachment (dedicated to a conver) backup device? (Check of one)		Network backup
direct attachment (dedicated to a server) backup device? (Check V one)		Direct attachment
		IBM to make recommendation
What is your production system backup window? (Specify <i>nn</i> number of hours)		Specify:
Do you want to do online or off-line backups? (Check ✓ one)		Online
		Off-line
Which tape media would you prefer to use for backup/restore of your system data? (Specify type of tape media)		Specify:

4.11 Project Phases and Growth

By default, this sizing estimate will predict the resources required to support the mySAP.com activity you describe in Sections 5 and 6 of the questionnaire. If desired, you can use this section to request sizing estimates for specific project phases. A project phase may be the implementation of one or more mySAP.com business applications, growth in terms of additional users, or growth in business volumes. See the example below.

Example of Project Phase Descriptions

- **Phase 1** Implement Sales & Distribution, Materials Management, and Financial Accounting in Raleigh (20 users).
- *Phase 2* Implement Sales & Distribution, Materials Management, and Financial Accounting in Atlanta (add users).

Phase 3 Implement Human Resources in Atlanta (add an mySAP.com business component and users).

Phase 4 Factor in 20% business growth over one year (add 20% to the overall SAP R/3 workload).

If necessary, copy and fill-out questionnaire Section for each phase, and submit these pages along with your completed questionnaire.

Phase	Description	Start Date / Production Date	System Install Date
1			
2			
3			
Comme	ents:		

4.12 Additional Comments

Please note any additional comments or requirements for your mySAP.com project. For instance, you might want to provide sizing information from previous SAP installations in your company. Or, you might specify hardware requirements that you want us to take into account for model homogeneity or reuse of existing equipment. **Comments:**

5.0 QUESTIONS FROM THE SAP QUICKSIZER

Print version

of the Quick Sizer Input Screens

October 2002

Please note that the Quick Sizer is subject to regular changes several times per year. Please make sure you have the most current version available. (http://service.sap.com/quicksizing)

Enterprise Portal

Enterprise Portal 5.0

Logon Phase	
Highest Number of users who log on in parallel	

Usage	
Highest Number of concurrent users per hour	

Content Management	
How many clicks (in %) access Content Management	%

Comments and Further Information about this Page

SAP R/3 Enterprise

Please enter the number of **peak concurrentkly active users** in the table below. The numbers in the table should represent all those users who will be active during a PEAK hour of the day. **The "low" users will be changing screens once every 6 minutes. The "medium" users will be changing screens twice a minute, and the "high" users will be changing screens 6 times a minute. Do not double count any users. Users**

		Low	Medium	High
FI	Financial Accounting			
FI-AA	Asset Accounting			
TR	Treasury			
СО	Controlling			
EC	Enterprise Controlling			
SD	Sales & Distribution			
MM	Materials Management			
LE-WM	Warehouse Management			
QM	Quality Managerment			
PM	Plant Maintenance			
CS	Customer Service			
PP	Production Planning			
PS	Project System			
PA	Personnel Management			
PA-PD	Personnel Development			
BC	Basis Components			
BWP	Business Work Place			

Comments and Further Information about this Page

Quantity Structure I: Dialog & Batch

					Highloa	d Phase		
Component	Number of Objects	Sub-Object of the	Average No. of	Retention	Number of	Execution	Object	Object
& Object	Created per Year	Object	Sub-Objects	Period	Objects	period	Changes (%)	Display
			(Natural numbers	[Months]	Created per	[hh:00 -		(%)
			only)		Day	hh:00]		
FI		Line items						
Documents								
FI-TV		Line items						
Receipts								
TR								
Postings								
СО		Line items						
Documents								
СО-РА		Line items						
Orders transferred from SD-								
SLS								
СО-РА		Line items						
Billings transferred from								
SD-BIL								
СО-РА		Line items						
Documents transferred from	L							
FI								
EC		Lines						
Reports								

Component	Number of Objects	Sub-Object of the	Average No. of	Retention	Number of	Execution	Object	Object
& Object	Created per Year	Object	Sub-Objects	Period	Objects	period	Changes (%)	Display
			(Natural numbers	s[Months]	Created per	[hh:00 -		(%)
			only)		Day	hh:00]		
SD		Line items						
Customer Inquiries								
SD-SLS		Line items						
Sales Orders								
SD-BIL		Line items						
Invoices								
SD-POS-IN		Line items						
Sales Data / Idocs								
MM-PUR		Line items						
Purchase Orders								
MM-IM		Line items						
Materials Movements								
LE-WM		Line items						
Transfer Orders								
LE-SHP		Line items						
Delivery Notes & Goods								
Issues								
QM		Inspection						
Inspections		Characteristics						
PM		Components						
Orders								
CS		Components						
Orders								

Component	Number of Objects	sSub-Object of the	Average No. of	Retention	Number of	Execution	Object	Object
& Object	Created per Year	Object	Sub-Objects	Period	Objects	period	Changes (%)	Display
			(Natural numbers	[Months]	Created per	[hh:00 -		(%)
			only)		Day	hh:00]		
PP-SOP		Components						
Planned Orders								
PP-SFC		Components						
Production Orders		-						
PS		WBS elements						
Projects								
		Networks						
		Activities						
РТ								
Time data								
BC								
Printed documents								
BWP								
Business Work Place								
		Internal mails						
		External mails						

Comments and Further Information about this Page

Quantity Structure II: Batch

Component Object	Description	Maximum No. of Objects Execution Time Period [hh:00 - hh:00]
5		
FI-AA	Number of Assets	
Assets depreciation		
CO-OM-OPA	Number of orders allocated per period	
Order Settlement		
CO-OM-OPA	Number of orders per period with overhead rates	
Overhead Rate		
CO-OM	Number of sender-receiver relations for all cycles	
Assessment		
PA	Number of employees	
Employee		
РТ	Number of processed time pairs	
Time Evaluation		
PY	Average Number of retro calculations per payroll	
Payroll		

All Questions in this section must be completed in order to obtain a workload estimate.

MRP	Description	Maximum No. of Objects	Execution Time
Object			[hh:00 - hh:00]
PP-N1	Number of planned orders per day		
PP-N3	Average number of components per BOM		
PP-N4	Number of purchase order line items for reorder-point driven materials per day		
PP-N5	Number of purchase order line items/schedule lines for non reorder-point driven mat. p. day		
PP-H0	Size of planning horizon in days		
PP-P1	Number of BOM structure changes per day in %		-
PP-P2	Variant Configuration: Average number of BOM positions with object dependencies in %		
PP-P3	How many orders use Lead Time Scheduling in %		

Comments and Further Information about this Page

SAP Business Information Warehouse 3.0

Users (for CPU sizing)

For user-based sizing, two factors count: The user activity patterns during the day and the types of queries they perform. When you enter the number of users, we assume a standard activity pattern which you can overwrite at any time in the table below.

A note of caution: "Power" users (those doing adhoc reports), require a lot of CPU resources

User Activity					
InfoConsumer	Executive	Power User			

Query Distribution				
Query Type	Report Viewing	OLAP Analysis	Data Extrapolation	Total Percent
InfoConsumer	80%	20%		%
Executive	50%	50%		%
Power User			100%	%

InfoCube (for Disk Sizing)

If you select one of the predefined InfoCube types, the data for dimensions and key figures are filled automatically when you refresh the page. You can overwrite the standard values at any time. If you choose self-defined as an InfoCube type, you can find a list of typical InfoCubes in the online help to choose data from.

These Entries determine the the record length of the InfoCubes 7 I 1				These Entries dete records in the Info	rmine the total n Cube	umber of
Name	Type (predefined or self defined)	Dimensions	Key Figures	Initial Load	Periodic Load	No. of Periods

ODS Object (for Disk Sizing)

Name	No. of Numeric Fields	No. of Char. Fields	Initial Load	Periodic Load	No. of Periods

Comments and Further Information about this Page

CRM Customer Relationship Management

User Based Sizing

If some of your users work with several different components, attribute them to the component *they work with most of the time*.

The users in the table below should represent concurrently active users during a peak time. See definition of user types in "SAP R/3 Enterprise" section

Please enter the number of Concurrent CRM users and how they will work with the system:

	Low	Medium	High
Enterprise Buyer Professional			
CRM Online Sales orders			
CRM Online Service Transactions			
CRM Online Opportunity			
Management			
CRM Online Activity Management			

Enter below how many of the above Users enter objects such as customer orders or opportunities using the Customer Interaction Center.

	Low	Medium	High
Customer Interaction Center			

	Catalog Browsing	Filling Shopping Cart & Ordering
Internet Sales		

	Parallel Logons
Mobile Sales	
Mobile Service	

Quantity Structure or Transaction based sizing

The information you provide in this section is used to determine disk size and CPU consumption of the CRM Server. Note that depending objects created in a backend system must be considered separately.

Component	Number of Objects	Sub-Object of the	Average No. of	Retention Period	Number of	Execution	Object	Object
& Object	Created per Year	Object	Sub-Objects	[Months]	Objects	period	Changes (%)	Display
			(Natural numbers		Created per	[hh:00 -		(%)
			only)		Day	hh:00]		
Internet Sales Orders		Line Items						
Mobile Sales		Line Items						
Enterprise Buyer Orders		Line Items						
CRM Sales Orders		Line Items						
Customer Interaction Center								
Calls								
Opportunity Management								
Opportunities								
Activity Management								
Activities								

Enter any kind of additional informatin with regard to this project here

SAP Advanced Planner and Optimizer Release 3.0

Demand Planning

Total number of characteristic combinations		
Total number of key figures		
Nunber of keyfigures in livecache (in %)		
Total number of periods in planning horizon		
Total number of periods in historical horizon		
Total number of planning versions stored in InfoCube		
Total number of planning versions stored in LiveCache		
Retention period for data records in InfoCube in Months		
Characteristic combinations used for planning run in % of question 1 above		
Execution period of planning run	From	То
Users of Demand Planning (as additional load)		

Master Data

Number of location products	
Total Number of Resources	
Number of Warehouse Stocks	

Different Types of Orders or Requisitions Used for Planning

Average Number of Objects in Planning Horizon	Average Number of Subcomponents per Object
Sales Order	Delivery Schedules
Purchase Orders or Purchase Requisitions	Delivery Schedules
Transfer Orders	Products (Materials)
Forecast Orders	Time Buckets
Planned Orders with SNP Production	Components
process models (PPMs)	Operations
	Operation Steps (activities) per operation
Average Number of planned orders and	Components
Manufacturing Orders with PP-PPMs	Operations
	Operation Steps (activities) per operation
	Alternative resources per Activity

Parallel capacity requirements per	
operation step	

Time Series liveCache in SNP

Number of Location Products	
No. of Key Figures	
No. of time buckets	

Supply Network Planning

Number of Location Products planned in heuristic planning run		
Execution period of the planning runs	From	То
Users of Supply Network Planning (as additional load)		

Production Planning – Detailed Scheduling

0 0	
Users of Planning Table (as additional load)	

Available-To-Promise (ATP)

Number of ATP Requests against warehouse stocks per hour	
Number of rule-based ATP Requests per hour	
Number of CTP requests per hour	

Integration of orders transferred to and from APO per hour

Number of Sales Orders	
Number of Manufacturing Orders	
Number of Purchase Requsitions	

Miscellaneous

Number of plaining versions (including active version)	Number of planning versions (including active version)	
--	--	--

Comments and Further Information about this Page

SAP Utilities

Dialog part one: Here, you must fill in all fields completely

Total number of business partners.	Number of budget billings per year	
Total number of contracts	Number of billing cycles per year	
Number of meters in the network	Average number of billing lines per bill	
Number of contract accounts	Average number of print lines per bill	
Retention period for the above objects		

Dialog part two: Here, you can fill in single average fields, single highload fields, or complete lines

Object	Average number created per year	Created during highload phase	Time period of highload phase
Customer-Overviews			
Customer contacts			
Move-in			
Move-out			
Duration of highload ph	ase for the above objects; mandatory, if	f you entered values for the highload phase.	

Batch

Here, you must fill in all fields completely

No. of business partners	Minimum no. of days to	Batch processing	
(equal to dialog input)	complete one batch cycle	interval	
		(time period)	

Enter any kind of additional information with regard to this project here.

6.0 APPENDIX: SAP QUICKSIZER HELP SCREENS

Following you can find all the help documentation being available in the SAP quicksizer for the different input screens and the result screen.

Term	Definition		
Enterprise Portal	Definition Currently, the questions for the Enterprise Portal aim at determining the size of the Portal		
	Server and the Unification Server. For more information see SAP Note 519077.		
	Comment The sizing model for the Enterprise Portal includes primarily CPU and memory		
	sizing. We assume that 20% of all hits access the Unification Server, to reflect, for example,		
	Drag & Relate.		
Parallel logon	Definition Enter the highest number of users (2,000, for example) who log on to the Portal		
	within 1 hour (e.g. 8 am - 9 am). If the users will start the Portal over a period of two hours (e.g.		
	8 am - 10 am), you then need to size only half of the users.		
Concurrent users	Definition To determine the highload phase, we ask for the highest number of users you can		
	imagine will work simultaneously in the system within one hour. We assume that they navigate		
	through pages that contain four iViews. If they open documents or start transactions, fill in the		
	values for Content Management.		
	Comment We assume a distribution of 60% users with a think time of roughly 300 seconds		
	between two clicks, 34% with about 120 seconds think time and 6% with a think time of 10		
	seconds.		
Content Management	Definition Enter how many clicks out of 100 access documents.		

Enterprise Portal Input

R/3 User-based input

Term	Definition
User-based sizing	For sizing we assume active users who go through a given number of business processes in a given time period. Since not all active users equally put load on the system or consume system resources, we distinguish between three categories to represent typical activity patterns of users: low, medium, and high. Comment: In case some of your users work with several different components attribute them to the component they work with most of the time.
Low / Occasional User	An occasional user is logged on and consumes system resources. We assume that the occasional user accesses the system from time to time, fitting the work profile of an information user or an executive. From a technical viewpoint, this user type typically performs around 400 dialog steps (equivalent to approximately 400 screen changes) per week. Assuming a working week of 40 hours, this amounts to ten dialog steps per hour or one every six minutes. In this column you enter the number of users who are logged on and use it every once in a while during the day. Comment: For calculating the optimum memory consumption we assume that these users typically work during peak hours. For minimum requirements they are omitted. Also, they have no influence on disk sizing.
Medium User Accountant / Clerk	We assume that this user definition represents the work profile of accountants, clerks or office personnel. From a technical viewpoint, this user type typically performs around 4,800 dialog steps per week. Assuming a working week of 40 hours, this amounts to 120 dialog steps per hour or one every 30 seconds.
	In this column you enter the number of users who are logged on and use it regularly during the day.
High User	We assume that this user definition represents the work profile of users in the telesales environment, data
Data entry user, Telesales	entry users or power users such as application developers. From a technical viewpoint, this user type
User, Power User	typically performs an average of around 14,400 dialog steps (screen changes) per week. Assuming a
	working week of 40 hours, this amounts to 360 dialog steps an hour or on every 10 seconds. In this
	column you enter the number of users who are logged on and use it intensively during the day.

Quantity Structure Based Input I

Quantity Structure I:	If you enter the number of objects for a certain component, the number of objects, the average number of	
Mandatory Input	sub-objects (in natural numbers, no decimals!) and the retention period are mandatory.	
	Comment: A default-value of twelve months for the retention period is offered by the program. The input	
	is used for disk sizing and average CPU sizing (between 8 am and 4 pm).	
Optional Input	Optionally, peak sizing is possible. In that case enter a number of peak-objects and the respective peak	
	processing period. You can also optionally enter the number of displays and the number of changes.	
Component & Object	Component or object of the system corresponding to the component hierarchy. A component can be a	
	production order or a Financial document.	

	Трропал
	The Quick Sizer calculates with the number of respective objects created per year.
	Calculations are based on the following assumptions:
	Number of working days per year in Europe: 200 days
	Number of working days per year in USA: 250 days
	Number of working days per year in Asia: 300 days
	8 hour working day from 8:00 am - 4:00 pm.
Sub-Component	Component at a lower level of the component hierarchy in the R/3 System. For the calculation we need to
	know the number of subitems. For example: The number of lines per printed document, the number of line
	items per purchase order, or the number of recipients per mail.
	The Quick Sizer calculates with the average no of number of sub objects that is line items lines or mail
	recipients created per year.
	Note: Enter only rounded up natural numbers without decimals.
Retention Period	The time in months that the object remains in the system before it gets archived and deleted in the
(Months)	database. The time objects remain in the system influences the disk size to a great extent. We therefore
	recommend you consider data archiving at a very early stage in your project.
Highload Phase	For the calculations of your CPU requirements, we need to know the volumes processed per day. Here, it
	is important to know the figures during a particularly active day or season in the year (such as Christmas)
	where the volumes processed are much higher than usual.
	In order to determine the peak load the system will have to handle, we ask you to fill in the number of
	objects that are created in the highload phase. A telesales company, for example, could enter the number
	of customer orders created in the peak phase of the day, for example between 3 pm and 9 pm.
	The highload time is selected in clock time (e.g. 15 - 21). You can also use the highload phase for entering
	batch processes, for example the number of billings created between 9 pm and 12 pm.
% of Object Changes and	Enter how often a newly created object is changed or displayed (in percent on average, without percentage
Display	sign).
-r ···	Examples:
	An order is always changed or displayed after being created: Enter 100
	Every second order is changed or displayed after being created: Enter 50
	Every order is changedor displayed twice after being created: Enter 200

Business terms explained

Business terms explained				
FI Documents	Document for proo	f of a business transaction	n. They may include accounting documents, sample	
	documents and recu	urring entry documents. V	Whereas accounting documents are a representation of the	
	original document in the system, sample and recurring entry documents are simply templates to simplify			
	entry of accounting	entry of accounting transactions.		
	Comment: Enter th	e number of all financial	documents including those that originate from material	
	movements.			
FI-TV Receipts	Number of receipts	(Business Trip Managen	nent).	
FI-TV Line items	Average number of	line items per receipt, fo	r example travel costs, meals, or accommodations.	
TR postings	To carry out a post	ing, the flows of the trans	actions/positions to be posted are selected. The posting run	
	transfers flows and	posting information to F	inancial accounting where the corresponding documents are	
	generated. In Treas	ury, the posting run can b	be carried out manually (for irregular posting activities) or	
	automatically (for r	ecurring flows that pre co	ondition-based). The Treasury payment program connection	
	and debit position a	and clearing are directly l	inked to the posting run.	
	Comment: Financial postings resulting from loan postings have to be treated separately. We assume that a			
	posting (document) in loan has an average of 1.5 posting items (document items). Master data are			
	calculated by assuming 8 posting items per month and per loan. This share is independent of the residence			
	time.			
CO Line items	Number of line iter	ns posted to CO (orders,	cost centers, WBS). For postings within CO, each document	
	consists at least of	wo line items. Postings t	o statistical orders consist at least of three line items. Activity	
	allocations add ano	ther line to the posting.		
	Example			
	Posting from	Posting to	Number of line items	
	Cost center	Cost center	2	
	Cost center	Statistical order	3	
	Posting activitly	Posting activity	Number of line items	
	calculation from	calculation to		
	Cost center	Cost center	3	
	Cost center	Statistical order	4	

	Comment: If you use detailed planning, you should add line items created during planning. Line items per year = DIALOG line items + sum of all line items posted during all period-end closings within a year As the highload phase is used for CPU calculation, you enter only the line items posted in dialog. There are different formulas used for dialog transactions and batch transactions as shown in the list below. (D) = dialog (B) = batch postings into CO, e.g. (D) FI-postings into CO (D) Completion confirmations(PP,PM) CO-internal allocations, e.g. (D) Reposting (D) Activity allocation (B) Indirect activity allocation (B) Settlement (B) Settlement (B) Assessment (B) Distribution (B) Periodic reposting
CO-PA Profitability Analysis	In our experience, the number of documents that you transfer to CO-PA from Sales and Distribution (SD) or Financial Accounting (FI) serves as a good indicator of the disk space and system load that CO-PA represents. Using this indicator simplifies the sizing process because the Quick Sizer no longer needs to take into account the contributions from planning, cost center assessment, the information system, realignments, or settlement. If your requirements in one of these areas are high (for example, a large volume of data needs to be processed by a large number of users during peak system load times), you should contact your hardware partner or SAP. To gain a deeper understanding of the factors that can influence sizing and performance, see the information contained in http://service.sap.com/co-pa Transferred Objects: If you use Profitability Analysis, SD billing documents (SD-BIL) and FI documents are transferred to CO-PA automatically. The transfer of orders (SD-SLS), on the other hand, is optional. For objects, enter the number of documents transferred per year from the respective components to CO-PA. For subobjects, enter the average number of document items in each case. You can also use the above methods to display how external data is transferred to CO-PA.
EC Reports	EC Enterprise Controlling allows you to control your enterprise from a corporate and a business unit perspective within one common infrastructure. It helps to speed up provision of business control information by fully automated corporate reporting from operative accounting via financial consolidation to management reporting. From EC-Enterprise IInformation System (EIS) top-level reports, end users can drill-down to more detailed information within EC or any other mySAP.com component. Lines: Average number of lines of a report
SD Customer Inquiries	A customer request to the company for a quotation or sales information that is not binding. The request can refer to materials or services, conditions and, if necessary, delivery deadlines. It is accepted by the sales area that is then responsible for any further processing. A customer request comprises one or several items containing the required quantity of a material/service. Line items: Number of line items per customer inquiry
SD Invoices	Sales and distribution document used to charge a customer for a delivery of goods or for services rendered. Line items: Number of line items per invoice.
LE-SHP Sales Order	A customer request to the company for the delivery of goods or services at a certain time. The request is received by a sales area, which is then responsible for fulfilling the order. Line items: A sales order consists of one or several items containing the quantity of the material or service specified in the order. The total quantity can be subdivided into schedule lines which contain different partial quantities and the relevant delivery dates.
SD POS IN Sales data and IDOCs	Number of Sales Data and IDocs created per year. The Quick Sizer assumes that for every Idoc, one material document and one billing document are generated with subsequent postings to FI. The IDocs themselves are assumed to be archived immediately. The column "number of objects created per year" refers to the number of documents created per year. The next column "number of subobjects" refers to the number of line items per document. The Quick Sizer considers aggregated upload (WPUUMS). In the case of WPUBON, you will have to consider the following: 1.Number of POS transactions. This corresponds to the number of articles purchased by each customer. The total number of line items is the product of number of customers and the number of articles per customers.

	Appendix
	Example: You have 500 stores with an average of 300 customers per day and an average of three articles
	per customers. Assuming one IDoc per store this will give you:
	500 IDocs, each with 900 lines per day. Assuming 300 working days
	Number of objects created per year = $300 \times 500 = 150000$,
	Number of sub objects = 900
	Retention period is actually that of the follow-on documents - material-, billing- and financial-documents.
	Comment: Number of Sales Data and Idocs created per year. The System creates one goods issue and one
	bill per document/IDOC including the respective number of line items. With each bill and material
	movement, one FI document with the respective number of line item is created. Additional postings are
	not considered.
	When processing different IDOC-types (e.g. store order), enter any follow-on documents seperately (such
	as SD order line-items in SD-SLS).
MM PUK	Request or instruction from a purchasing organization to a vendor (external supplier) or a plant to deliver
	Line items: A nurchase order consists of a number of items, each of which will have a procurement type
	defined
	Comment: We assume a nurchase order has two text lines on average 30% of the nurchase orders are
	assigned to an account
	10% of the line items have delivery costs. There is one goods receipt line item per purchase order line
	item There is one invoice line item per purchase order line item
MM IM Materials	Physical or logical movement of materials which leads to a change in material stock levels or results in
Movement	direct consumption of the material. A goods movement can be a goods receipt, goods issue, or a transfer
	posting of materials. Please enter the number of all material movements that originate from any used
	component within the SAP system (e.g. LE - SHP Logistics Execution - Shipment)
	Line items: A goods movement consists of items containing the quantity and value of the given material.
	The materials to be actually placed in or removed from storage can be specified in each item as single
	units.
	Comment: No postings in the previous month. When processing different IDOC-types (e.g. store order),
	enter any follow-on documents seperately (such as SD order line-items in SD-SLS).
LE WM Stock	The business object transfer order is an instruction to move materials from a source storage bin to a
Movement	destination storage bin within a warehouse complex at a specified point in time.
	Line items: A transfer order consists of items that contain the quantity of the material to be moved and
	specifies the source and destination storage bins.
LE-SHP Delivery Notes	Number of delivery notes and goods issue.
& Goods Issue	Line items: Average number of line items for delivery notes and goods issue.
QM Inspections	l asks for determining the actual status of a technical system (for example, a machine) or a material.
	Inspection Characteristics: The basis on which an inspection is performed.
	comment. We assume that one inspection with several inspection characteristics is carried out per
PM Orders	Orders in the sense of maintenance orders. Requirement to execute a maintenance tack on a maintenance
I WI OIDEIS	object for a specific deadline. In addition, the maintenance order is a means of documenting maintenance
	work. In particular, maintenance orders are used to
	- nlan maintenance tasks in a targeted manner
	- monitor the execution of maintenance tasks
	- enter and settle the costs incurred by maintenance tasks
	Components: A maintenance order contains operations that describe the individual work steps. If greater
	detail is required, operations can be subdivided into sub-operations. Enter the average number of
	components per operation.
CS Orders	A request for a service activity to be performed to a maintenance object at a customer company on a
	particular date. In addition, a service order is used to document service and customer service activities.
	Components: In an order, components are usually materials assigned to an operation. Enter the average
	number of components per order.
	Comment: We assume that one operation is valid for five components.
PP Planned Orders	Request created in a plant's planning run which triggers the procurement of a plant material for a certain
	quantity for a specific date.
PPP SFC Production	Manufacturing order used for discrete manufacturing. A production order contains operation sequences.
Orders	An operation describes how to carry out a work step. By combining operations into operation sequences,
	you can create parallel or alternative processes.
	Components: The following graph gives an example of how to determine the number of components by
	showing number of components of a multi-level BOM of a product F1.
	I ne inished product F1 contains a semi-finished product F2, which is also an in-house-product. Therefore
	In production orders for both products F1 and F2 must be considered for sizing. The size of the "number of components" is determined by the summeries of all individual components.
	the first production layer (finished product and semi-finished product respectively). The components on
	are either raw materials, for example F1Cx or F2Cx, or assemblies, such as F2 used in the production of

	Appendix
	F1. Phantom assemblies (P1 and P2) are only used to structure the bill of materials; they are not produced seperately. The components of the phantom assemblies (P1Cx or P2Cx) must therefore be added to the components of the next higher level.
	Therefore, in this example we can determine the following number of components: The production orders for the finished product F1 have seven components (F1C1, F1C2, F1C3, P1, P1C1, P1C2, and F2). The phantom assembly P1 should be counted as a real component. The production orders for the assembly F2 have six components (F2C1, F2C2, P2, P2C1, P2C2, and P2C3).
	You must enter the respective materials movements (goods receipt for the header material and goods movement for the used components) in the line for MM-IM. This is not counted automatically. If you print numerous production documents, enter their number in the line for "BC Printed Documents". The columns for the display of objects and the changes of objects should be filled, too. If, for example, you create a production order in one transaction and release it afterwards, please enter "100" for "object changes" because every order (i.e., 100% of the orders) is changed by being released. If you display the production order must be considered for the field "object change". Order settlements are not considered and have to be considered by CO.
	10 status items per production order 3 status items per component 1 sequence for every 10 componentsr 1 operation for every 5 components 2 status items per components
DC Duciesta	3 status items per operation
PS Projects	A complex structure of tasks within a controlling area which is used to control and monitor the schedule, resources, capacities, cost, revenues, and funds availability. WBS-Elements: An individual structural element in the work breakdown structure (WBS) representing the hierarchical organization of a project. It describes either a concrete task or a partial one that can be further subdivided. Networks: A network contains instructions on how to carry out activities in a specific way, in a specific order and in a specific time period. Activities: Average number of activities per network. An activity is a task in a network which has a defined start and finish. An activity can be broken down into activity elements. There are three categories of activities in the Project System: internal activities external activities general costs activities Comment: For calculation we assume:
	5 status items per project
	5 distribution rules per project.
	3 status items per WBS element
	3 distribution items per WBS element
	3 allocations per WBS element
PT Time Data	Employee data that is relevant in some way to time. Examples: sickness period: working time: leave: overtime
BC Printed Documents	Data storage medium containing information of a specific type.
	Comment: We assume we assume that a page is always completely filled in and that the document is
	always completely printed.
DUD D	Enter the number of printed pages per year.
BWP Business Workplace	The Business Workplace provides a standard working environment in which every SAP user can carry out their share of the business and communication processes in the enterprise. There, they receive all the work items that are assigned to them in the course of SAP Business Workflow and process the documents that were sent to them from people or from SAP applications. This can include the following actions:
	Receiving and sending mails
	Administrating documents and work processes
	Distributing and processing companywide and group internal information
	Comment: The number of sub components for BWP means the number of lines per item. Enter the number
	of recipients for external and internal mails in the field for sub components.

Quantity Structure based input II

FI AA	Reduction of the asset book value due to decline in economic usefulness, or due to legal requirements for
assets depreciation	taxes.
CO-OM-OPA Order	Complete or partial crediting of an order. The costs which have accrued to an order are debited to one or
settlement & Overneau	Several anocations.
Tates	percentage.
CO-OM Assessment &	Assessment is a method of internal cost allocation in which you transfer the costs of a sender cost center to
Overhead rates	receiver CO objects (orders, other cost centers, and so on) under an assessment cost element. The system
	supports both the hierarchical method (where the user determines the assessment sequence) and the
	iterative method (where the system determines the sequence via iteration).
	Estimation of line items for assessment, distribution and periodic reposting:
	The segments of all cycles have to be added. For each segment the line items (sender (S) - receiver (R)
	relationship) may be calculated:
	assessment S-R = number of senders * number of receivers
	sender
	periodic reposting (equal to distribution)
	Indirect activity allocation S-R = number of senders * number of receivers * average number of activities
	used by the sender
	Example
	You have defined a cycle which consists of the segments a and B, each segment consists of 5 senders.
	Two receivers and each sender of segment A have received postings with three different cost elements
	(CE). The 5 senders of segment B have received postings with four different cost elements. Therefore the cost has $20 \pm 40 = 70$ S. D. relations altograph of
	cycle nas $30 + 40 = 70$ S-K relations altogether. Segment A: 5 (S) * 2 (CE) * 2 (P) = 30 S P relationships
	Segment B: $5(S) * 4(CE) * 2(R) = 40$ S-R relationships
PT Time evaluation	Time evaluation is a program which is generated daily to calculate attendance and absence times on the
	basis of attendance and absence data, time types (flextime balance, productive hours) and wage types
	(bonuses for night, Sunday and public holiday work). Assumption: Time Evaluation is processed every
	working day.
PA Employee &	The business object Employee is a person who contributes or has contributed to the creation of goods and
Number of employees	services
	Comment: Financial postings resulting from loan postings have to be treated separately. For the number of
	employees we assume that the payroll is executed once a month. Other periods should be scaled through
	the input data (Example: 50,000 employees should be calculated semi-monthly in 4 hours -> Input:
	100,000 employees and 8 hours)
PY Payroll	The average Number of retro calculations per employee per payroll
	Example: Input "2" for two retro calculation means three periods in total.
MM Period Closer	Comment: Always enter information for boin, Employee and Payroll.
WIWI I CHOU CHOSEI	Certain data is undated in the correct period
	Goods movements are always posted to the correct period
	The values in what was formerly the current period are copied to the corresponding fields for the previous
	period
PP MRP	Material Requirements Planning (MRP)
	Generic term for procedures in materials planning which take into account and plan every future
	requirement during the creation of order proposals (independent requirements, dependent requirements,
	Comment: The MRP run is conducted every day with the processing key "Net change" for the total
	planning horizon. The number of components implicitely determines the scope of the routing. With an
	increasing number of components, the number of operations in the routing rise. The runtime and CPU
	consumption directly depend on the number of reservations in the system.
	The MRP run can be parallized without end, dependencies on dataconstellation are not considered.
Net change planning	Materials planning run where only those materials are planned which have undergone a change relevant to
	materials planning since the last planning run.
Planned orders per day	A planned order is a request created in the planning run for a plant to trigger the procurement of a plant
	material for a certain quantity for a specific date. Enter the number of planned orders created per day and when the batch jobs run
Planning Horizon	The planning horizon is the period which is set for the "net change planning in the planning horizon." For
	this type of net change planning only those materials are planned in the planning run which have a change
	related to materials planning within the period (in work days).
	Comment: The length of the planning horizon should at least include the following:

	Period in which customer orders are being created
	Delivery times
	Complete material processing time
Reorder point planning	Special procedure in materials planning. If the reorder point is greater than warehouse stock, an order
	proposal is created by materials planning. A distinction is made between:
	automatic reorder point planning
	manual reorder point planning
Lead time scheduling	Calculates the exact production dates and creates capacity requirements.
_	Lead time scheduling via routing: In this case, it calculates the start and finish dates and times of the
	individual operations.

SAP BW Business Information Warehouse Sizing Input

BW users	Definition In BW, we distinguish roughly between user types according to their frequency of activity and the reporting they will normally do.				
	User Type	Navigation Steps per Hour	This user will predom	inantly	
	Information Consumer	1	view predefined and	static reports	
	Executive	11	navigate within repo aggregates	orts, do slicing and dicing	g, but usually hit
	Power	33 and more	run ad-hoc queries v	vith a high probability of	full table scans
	A navigation ste	p includes drilling dow	n in the reports and corres	ponds to nine dialog steps	in the SD benchmark. If you
Query Types	 Definition Collection of a selection of characteristics and key figures (InfoObjects) for the analysis of the data of an InfoProvider. A query always refers exactly to one InfoProvider, whereas you can define as many queries as you like for each InfoProvider. For sizing purposes we distinguish between three query types which are defined by the load they create in the system. Report Viewing: Predefined, static, reports using optimal aggregates 				
	• OLAI	P Analysis: Slicing an	nd dicing, navigating in	reports, using various ag	gregates
	• Data I detail	Exploration: Data min data, full table scans	ning, that is ad-hoc repo	orts with unpredictable na	avigation paths, access of
	Any user below.	r can do any type of que	ery. However, experience	shows a certain activity pat	tern, as you can see in the table
	Query Type	Report Viewing	OLAP Analysis	Data Exploration	Total Percent
	Information Consumer	80%	20%	0%	100%
	Executive	50%	50%	0%	100%
	Power	0%	0%	100%	100%
Info- Cube	Definition The c describes (from An InfoCube has	central objects upon wh a reporting point of view s a particular type:	ich reports and analyses ir w) a self-contained dataset	BW are based, are called to business	InfoCubes. An InfoCube s-orientated area.
	• Basic table	Cube which is a colle in the center, surroun	ection of relational table ded by several dimensio	s arranged according to to to tables.	the star schema: A large fact
	• Multivand bio exclusion	Cube which is based rings it together into sively from the Basic	on the basic cube. It con one context. The MultiC Cubes it is based on.	nbines data from several Cube itself does not conta	l BasicCubes/RemoteCubes, ain any data; its data comes
	• Remo transa	teCube to carry out relation data in BW.	eporting using data in e	xternal systems without l	having to physically store
	Only BasicCube dataset. The Info InfoCube. The d	s physically contain dat Cube type is not impor	ta on the database. MultiC tant, as far as reporting is	ubes and RemoteCubes sin concerned. A query definit	nply display logical views of a ion always refers to one you select data for the query

InfoCube types: From the list below you can choose additional InfoCubes, just take the information and fill it in the questionnaire.

Long Text	Short Name	Cube name	Dimensions	Key Figures	Length
Aerospace & Defense	A&D	0AD_C01	6	2	94
Apparel and Footwear	AFS	0AFMM_C01	8	48	896
Automotive		0AUPPC_3	12	11	307
Business Planning and Simulation		0SEM_C09	5	14	288
Category Management		0CM_C07	7	34	648
Consumer Products Industry	СР	0CP_PURC1	8	52	964
Distribution Channel-Specific A		0CRM_CTI2	3	16	302
E-Analytics		0WEB_C01	12	5	205
External Market Data		0DB_MC01	9	5	175
Financials Management & Control		0FITV_C02	12	13	341
Healthcare		0HC_C01	9	16	362
Insurance		0IS_CS_C1	9	8	226
Inventory Management		0COPC_C04	7	6	172
Investment Management		0IMFA_C02	7	3	121
Marketing		0CRM_MC05	12	43	851
Marketplace		0MA_OP_C1	9	13	311
Media Enterprises		0MEMAMC04	11	16	382
Mobile Sales	MSA	0MSA_C05	8	6	182
Oil & Gas	Oil & Gas	0OI_SSC01	9	16	362
Personnel Management		0PACM_C01	10	17	389
Point of sale	POS	0RT_C06	9	33	651
Retail - Logistics		0RT_C41	7	183	3181
Sales and Distribution Analyses		0CSAL_C09	12	29	613
Service		0CRM_PRI	14	47	939
Strategic Enterprise Management	SEM	0SEMPA_C2	13	68	1286
Strategic Enterprise Management		0SEM_MC01	6	9	213
Traffic Analysis		0MA_C02	15	21	507
Treasury	TR	0TRCM_MC1	6	2	94
Utility Company		0UCSA_C01	12	20	460

CRM Customer Relationship Management

Activity Management	Within Activity Management, your employees can:			
	Create business activities to document any interaction they have with customers			
	Create tasks to manage their own workload			
	Manage their work in the Application Workplace			
	View appointments and activities in the calendar			
	Access the fact sheet for valuable information about business partners			
	Access the Business Workplace for using workflow items			
	The two main elements in Activity Management are the application workplace and the calendar. Each			
	provides a different view of your workload and you can switch between them. The calendar displays all			
	your appointments in a daily, weekly, or monthly overview. The inbox, on the other hand, provides you with a parsonal workplace or file manager, where all your activities, whether they have been given fived			
	appointments or not, are clearly sorted into different folders.			
Opportunity	The Opportunity describes the sales prospects, their requested products and services, the sales prospect's			
Management	budget, the potential sales volume and an estimated sales probability. This information becomes concrete			
	in the course of the sales cycle, and can be displayed and evaluated in the system.			
	tracking their progress. In this way, it provides the basis for an analysis and optimization of your			
	enterprise.			
	Users in Opportunity Management can use the following functions:			
	Presentation of the Sales Cycle			
	Reason for Status			
	Working With Products			
	Management of Attachments			
	Transferring Data for Sales Volume Forecast			
	Classification of Opportunities			
	Texts in Opportunities			
	Opportunities - Fast Change			
Customer Orders	In CRM, customer orders can be created in different ways, for example by a telesales agent in the Call			
Customer Interaction	The Customer Interaction Center (CIC) is a key technology of Customer Relationship Management with			
Center	mySAP.com. It is designed as a multi-channel, blended business process interaction center. To empower			
	call centers to provide the highest level of customer service. It provides robust technology for contact			
	center operations. It tightly integrates a highly customizable and full-featured front office with your back- office as well as your entire range of customer-centric processes. The customer Interaction Center is the			
	common state-of-the-art technology for any business transactions via phone, email, letter or face to face.			
	It's used in the following CRM Business Scenarios: Service Interaction Center, Telesales and			
	Telemarketing. Highlights of CIC include:			
	Computer Telephony Integration (CTI) technology as middleware			
	An Email Office system for processing incoming and outgoing emails. Also included are Planned			
	Activities for the agent to execute.			
	An Interactive Intelligent Agent (IIA) for problem analysis and Interactive Solution Search along with			
	The IIA Intelligent Agent is an easy to use tool that provides a wide range of users access to solutions			
	from various knowledge bases. For more information, see Interactive Intelligent Agent.			
	A comprehensive Interaction History log to provide one view of a customer. This enables agents to view			
	planned and historical activities along with sales and service orders. Interactive Scripting to guide an agent through a telesales, outbound campaign or technical support interaction			
Internet Sales	This component allows electronic business activities to take place between companies and consumers as			
	well as only between companies. Using SAP Internet Sales, manufacturers, shippers, wholesalers, and			
	retailers can sell their products directly via the World Wide Web. The following components are			
	Contained in CKM Internet Sales: Business-to-Consumer (B2C) Internet Sales			
	Business-to-Business (B2B) Internet Sales			
	Business-to-Busiless (B2B) Internet Sales			
Internet Salas Users	Definition In Internet Sales users can be split into roughly two groups:			
Catalog browsing /	• The vast majority of users will browse through the catalog offerings to gather			
Filling Shopping Cart	information about products. They will not fill the shopping basket or order			

	Appendix
& Ordering	products. Enter the number of users who will only navigate through the offerings.
	• A smaller number of Internet Sales users will actually fill the shopping cart and proceed to purchase the goods. How many users these will actually be depends strongly on the scenario used (B2B or B2C). In a B2B scenario, more users will belong to this group than in a B2C scenario.
	Note that we ask for absolute numbers, not percentages.
Mobile Sales & Service	Mobile Sales allows sales teams to work offline and to synchronize their data with the R/3 System. In this way, it supplies all the information required for optimal customer interaction. Such information can include real-time updates on: Business partners
	Contact persons
	Products and services
	Opportunities
	Activities
Mobile Sales & Service Parallel Logons	Definition In general, the Mobile Sales users will upload their data to the CRM system in a time frame of a few hours in the evening. Enter the highest number of users you expect to login within one hour.

APO Advanced Planner & Optimizer Sizing Input

Characteristic	Definition A characteristic is a property that describes and differentiates objects, such as product,
combinations	customer or location. There are numerous possibilities to combine characteristics, for example product and
	location. In APO only existing characteristic combinations are stored, not all possible combinations of
	existing characteristics. An example for a possible characteristic combination is product '4711', bought by
	customer '007' in location 'London'.
	Characteristic combinations for planning run
	Number of characteristic combinations which are planned in mass processing. If you plan at aggregate
	level, enter the number of characteristic combinations at this level. This field is important for CPU sizing.
Keyfigure	Definition A criterion for evaluating past performance or forecasting future performance. A key figure is a
	value or a quantity; for example, sales revenue, sales quantity or production quantity.
	Key figures in liveCache
	The number of key figures (in %) that reside in the liveCache. It is faster to access key figures in the
	liveCache than accessing them in the InfoCube. We recommend you safe all fey figures in the planning
	horizon in the liveCache. This, however, increases memory consumption of the liveCache.
Planning version	Definition A Demand Planning version is a scenario of data used to create a unique demand forecast. The
	data for each version is stored in the InfoCube. So, an InfoCube that contains two versions, each having
	the same data, requires twice the disk space than if the InfoCube contained one version of data. Therefore,
	the sizing estimate requires a count of planning versions used by all InfoCubes used by Demand Planning.
	The calculation for disk space assumes that each version contains the same amount of data per version
Number of periods in	Definition Total number of periods in planning horizon is a count of future time buckets used in planning.
planning horizon	You can store planning periods in weeks, months, quarter, year or posting period. We do not recommen
	daily periods, even though they are possible in theory.
	If you choose a combination of different periods, enter the data broken down to the smallest unit. For
	example, if you have a planning horizon of 2 years and the data of the first three months are to be stored in
	weeks whereas afterwards the data are to be stored in months, you enter 104 (weeks).
Number of periods in	Definition Total number of periods in historical horizon is a count of the historic time buckets to plan
historical horizon	future demand. Note that a higher number of time buckets requires more disk space and CPU processing
	time.
Retention period for data	Definition In the course of time the planning horizon and the historical horizon move on. Older time
records in InfoCube	buckets that do not belong to the defined horizon anymore, may reside in the infoCube for a specifc time
	frame. This field influences disk sizing of the infocube. The total number of periods for disk sizing is
	calculated as follows: periods in planning horizon + periods in historical horizon + additional retention
	period. The greater the retention periods, the more disk space is required to store the accumulation of data.
Duration of the planning	Definition The duration of the planning run depends on the demands for planning and operating. The less
run	time you allocate, the more CPUs you'll need for the planning run. The CPU requiremenats are inversely
	proportional to the processing time.
Resources	Definition A machine, person, facility, warehouse, means of transportation or other asset with a limited
	capacity that fulfills a particular function in the supply chain. In APO, the following resources can be
	modeled:
	Resources whose capacity is determined by working time data. The capacity of these resources is
	continuously available during working hours. There are single-activity resources, on which only one
	activity can be processed at any one time, and multi-activity resources, on which several activities can be
	processed simultaneously. Single-activity resources and multi-activity resources are used for scheduling in
	the APO components Capable-to-Match (CTM) and Production Planning and Detailed Scheduling

	Appendix
	(PP/DS), in which production dates of orders and operations are scheduled in seconds.
	Bucket resources, whose capacities are defined by quantities (for example, transport or warehouse
	capacities) or by daily rates (for example, production rates). Bucket resources are used for scheduling in
Wender an Oterla	Supply Network Planning (SNP). The most detailed scheduling that can be done is on a daily basis.
Warehouse Stocks	Definition The number of warehouse stocks is a count of the detailed stock locations used in planning.
	For each facility, you have to decide whether sub locations will be included in the planning process. These
	planning. If either the sub-location or the batch value is not used for planning then that category is set to 1
	Multiply the number of sub locations by the number of batches for each facility. Sum the totals for the
	facilities used in active model. If sub locations and batches are not used in planning, the total is the
	number facilities in the active
Location Products	Definition In the Quick Sizer, there are two fields to enter location products, as master data and in Supply
	Network Planning
	If all products can be stored in all locations, just add the number of products per location. For example,
	every customer location can only store finished goods. However, every distribution center can store
	finished goods as well as components, whereas every plant can only produce and store a limited number of
	Inished goods and products.
	series If a goods receipt or goods issue is changed the time series position for that day is written to the
	database. A time series position describes the cumulated amount of a day in a time series. Combinations
	use characteristics to forecast the dependent demand. This number is a percentage of the number of
	warehouse stocks determined in the question above.
Key Figures in Time	Definition Number of cumulated key figures such as requirements or receipts stored in time series.
Series	
Time Buckets in Time	Definition Number of periods that are considered in the SNP time buckets. With the help of time buckets
Series	you can determine that for long term planning secondary requirements are collected on a monthly basis,
	for a short term planning, however, the requirements are collected on a daily basis. For example, if you
	afterwards the data are to be stored in months, you enter 104 (weeks)
Time Buckets	Definition Number of time periods in the forecast order. This is the number of periods in
Thie Duckets	the bucket profile used to release data from Demand Planning to Supply Network Planning For example.
	if you determine that the planning is done on a daily basis for the next 30 days, then, in weekly time
	buckets for the next 12 weeks, and then in monthly buckets for the next 20 months, you enter 62 time
	periods altogether (30+12+20).
Planned Orders and	Definition Planning does not consider processed orders because they are deleted by the liveCache.
Requisitions	However, these orders remain in SAP R/3 until they are fully processed (billing). Therefore there are
(Sales orders, purchase	usually more orders in SAP R/3 than in APO.
orders, praimed orders)	For every product location a forecast order is created. In general the forecast orders are created when the
	prognosis is transferred from Demand Planning to Supply Network Planning.
Planned orders with	Definition Number of planned orders that are created in SNP. Usually, SNP uses large scale production
SNP-PPMs	process models (PPMs) which contain few components and even less operations or activities. The more
	orders there are, the more memory is required for the liveCache.
	Enter how many components of the Bill-Of-Material are usually combined per PPM. Enter the average
	number of operations per PPM, and the average number of concluded activities there are per operation. To
D1 1 1	each activity, a different activity type is allocated, for example setup, process, tear down or maintenance.
Planned orders or	Detailed Scheduling (DD DS) Usually, DD DS uses finally fund production process models (DDMs) which
manufacturing orders	contain more components and more operations or activities. The more orders there are the more memory
with PP-PPMs	is required for the liveCache
	Enter how many components of the Bill-Of-Material are usually combined per PPM. Enter the average
	number of operations per PPM, and the average number of concluded activities there are per operation. To
	each activity, a different activity type is allocated, for example setup, process, tear down or maintenance.
Product locations in	Definition Number of product location that are planned in an SNP heustic planning run. This field
heuristic planning run	together with the time period for execution influences memory consumption of the liveCache.
Planning versions	Definition The number of planning versions refers to the number of planning versions of the active and
(incl. active version)	simulated models. We assume that every version uses the same number of transactional data for planning.
	A model with two versions therefore requires double the liveChache memory than a model with one
Dula harri ATD	Variant Would.
Kule-based AIP-	Definition Number of rule-based available-to-promise checks per hour. This check in an iterative process,
Kequests	Every check defines the next check according to the fules in the system.
	Rule I
	Search for an alternative location. If none is found,
	search for an alternative requirements method.

r	
	Regel II
	Search for an alternative product. If none is found,
	Search for an alternative product in an alternative location. If none is found,
	Search for an alternative requirements method.
CTP Requests	Definition Number of Capable-to-Promise (CTP) checks per hour. If a required product is not available in
	the required quantities, in Production Planning and Detailed Scheduling, you can create planned orders or
	purchase requisitions for the missing products with the help of CTP
Orders transferred to	Definition This refers to the number of orders that are transferred from R/3 to APO and vice versa. This
and from SAP R/3 to	field is particularly important for CPU, it has no influence on memory consumption of the liveCache.
АРО	
Orders generated	Definition The average number of orders by Supply Network Planning refers to all transactions generated
Supply Network	from an Supply Network Planning run. These include production orders, transport orders, purchase
Planning	requisitions, etc.
	Definition The summer number of elements relevant along of orders and monofestations enders as for to all
Planning relevant	Definition in average number of planning relevant planned orders and manufacturing orders refers to an
orders	production orders that are planned and scheduled in PF/DS. The harger the humber, the greater the Live
	Cache memory requirements. Also, orders that are contirmed by the K/S system are no longer in the APO
	system. So, the number of planned and released production orders in APO may be smaller than the number of production orders in $\mathbb{R}^{/2}$
	The average number of components per manufacturing order asks for a count of the hill of material
	components included in each production process model
	The average number of operation steps per manufacturing order asks for the number operations on
	average in each Production Process Model
	The average number or operations steps per operation. Each operation is composed of operation steps
	(activities) Activities include setup ter down production and queue Determine the average number of
	activities per operation used in APO planning
	The average number of alternative resources per activity can be one or more depending on the number of
	resources that can perform the same activity used to produce a product. (A resource can be a production
	line, a work center or any other manufacturing facility.)
	Determine the average number of parallel capacity requirements per operation step (activity). This can be
	one or more constraining resource in an operation For example this can be a work center and a specific
	tool or person all required to perform a specific operation step
Supply Network	Definition The average number of planning versions refers to the number of Supply Network Planning
Planning versions	versions used by the active and simulation models. Each version is assumed to contain an equivalent
Training versions	amount of transaction data used for planning. So, a model with two versions will require twice the amount
	of Live Cache memory, as a model with one version. This is a sum of the versions used in APO divided by
	the number of models.
Heuristic planning run	Definition The number of orders created by one heuristic planning run asks for a count of the new orders
ficalistic planing fair	generated from a planning run. These orders represent a significant percentage of the amount of Live
	Cache memory required by the system.
APO user sizing	Definition There is no APO user sizing as you know from other components. In APO, the user figures are
	only calculated as additional CPU load. Enter the number of users who work in the following planning
	scenarios:
	for interactive planning - /sapapo/sdp94
	for interactive planning - /sapapo/snp94
	for planning board - /sapapo/cdps0
Supply Network	Definition The Supply Network Planning duration of a planning run is the time needed to plan for the
Planning duration	entire time horizon during nightly batch processing. The smaller this time (in hours), the more CPU
i iunning uuration	processing capacity is required.
Planning run	Definition The number of orders (such as transport orders and/or planned orders) that are being created
B - un	during an SNP heuristic planning run. Enter also the planning run's time frame (Start/End).

SAP Utilities Sizing Input

1.0		
	Business partners of the	A business partner is a natural person, organization, group of natural persons, or group of organizations in
	utility company	which a company has a business interest. A business partner may be a person, organization, or group
	5 1 5	within a company, such as 'Mrs. Lisa Davies', 'Reproelectrical Products Inc.', or 'The tenants of 15 Charles
		St.'. Please enter the total number of business partners of the utility company.
	Total number of contract	A contract account is an account in which posting data for contracts or contract items are processed for
	accounts	which the same collection/payment agreements apply. Contract accounts are managed on an open item
		basis within contract accounts receivable/payable. In the case of utility companies, a contract is assigned
		to one contract account only. However, and depending on the contract account category, several contracts
		can be assigned to one contract account.
	Total number of meters	A meter is an instrument to measure the consumer-dependent resources of a rental unit (for example,
	in the network	electricity, water) as a value. Enter the total number of meters of the utility company
	Total number of	A contract is an agreement between a business partner and the utility company that applies to a single
	contracts	division. Please enter the total number of contracts (master data) of the utility company here.
	Budget billings per year	For the utility company, budget billing payments are down payments on the bill, which is charged later.
	(0-12)	We need to know how often you create budget billings for all your customers in one year.
		Comment: Typical values are:
		0 (no budget billing)
		1 (yearly)
		2 (half yearly)
		3 (quarterly)
		6 (bimonthly)
		12 (monthly)
		Note: You must choose one of the numbers between 0 and 12.
	Billing cyclces per year	How often is the utility company billing all its business partners? Typical values here are:
	(1-12)	1 (yearly billing)
		2 (half yearly)
		4 (quarterly)
		6 (bimonthly)
		12 (monthly)
		Note: You must choose one of the numbers between 1 and 12.
	Billing lines and print	Billing lines and print lines do not contain any address lines, explanatory texts or sums and so on; these
	lines	are contributed by the form. Print lines contain additional variable specifications (for example, tax) and
		are contributed by invoicing. To illustrate this, every line in the following highly simplified sample form
		have been marked at the end to indicate whether it is a form line, a billing line or a print line. In this case,
		the example form consists of one billing line and two print lines.
	Detention media 1	Comment: Enter the average number of the respective lines on a single bill.
	Retention period	Complete time period in which the data for an object are in the database until they are archived.
	Customer overview	Enter now often you use the transaction Customer Overview
	Customer contact	Enter now often you create customer contacts with the respective transaction.
	Move-in and move-out	Nove-in is the registration for utility service by the customer. This is different from moving into the
		residence, where the customer cancels the utility service.
	No. of days for one	I he "complete batch cycle" here comprises all the required batch jobs for the complete processing of the
	complete batch cycle	business partners, that is meter reading order creation, meter reading order output, upload of meter reading
		results, billing, involcing, bill printout etc. Comment: Enter the minimum number of days in which the
	Dal 1	complete batch cycle must be done for all business partners of the utility company once.
	Batch processing interval	1 Specify when the the batch jobs run for the billing