

Preface

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Document history

Date	Author	Version	Comments
01.10.1999	DTR	0.1	First draft
25.11.1999	EMZ	1.0	Second draft
25.11.1999	EMZ	1.1	Format changes
15.02.2000	EMZ	1.2	Format changes
20.03.2000	PAT	1.3	Added new fields
09.06.2000	DTR	1.4	Format has been revised
03.07.2000	ELK	1.5	<ul style="list-style-type: none"> - Split in 3 tables - new fields added - delete field „JobNote“ - rename fields „PosType“, „IsChargeable“, „HourNoOfHours“, „HourNoOfHoursToCharge“
04.08.2000	ELK	1.6	Added description of selection-parameter. Added description of price-fields for NCH.
31.08.2000	ELK	1.7	Added description fields for cost estimates
20.03.2001	ELK	1.8	Obsolete field: JobIsEndFa
08.06.2001	ELK	1.9	Changes for LJS version 4.0.0: <ul style="list-style-type: none"> - Introduce table LAS_ST_Jobsurvey_Hour - Remove obsolete fields - Introduce fields on position for theoretical sales price: P_J_SPIfChargeableBase,... - Add field JobCategory - Add field F_ChargeSIVValues - “Last value” fields are filled according to F_...Exists instead of F_...IsInDateRange - New fields on position for NCH hours: H_J_NoOfNCHHours, H_J_SumIntPriceNCH - For hour positions only one line is exported (containing fields for CH and NCH hours) instead of two lines (one for CH, one for NCH hours), see note at the beginning of chapter 3 - For CE only chargeable positions are exported
28.03.2002	DTR	1.10	Some minor changes.

Introduction

This document aims to describe the standardized export interface used in the Jobsurvey when using the export options to Crystal Reports® or when exporting to a plain SQL table or as a CSV file.

The transparent invocation of Crystal Reports is only available on the Microsoft Windows platform and when using the specific Crystal Reports executable identified by “_cr” at the end of the filename.

The document describes the tables used in the export and for each table the columns that can be accessed in the table.

Each export (e.g. each call of the job survey) automatically assigned to the export a unique number that ties together the single tables the export consists of by using a primary key column named “JobSurveyID”. This key can be used to combine the tables together and also to integrate Crystal Reports within the LEADING Job.

When automatically invoking Crystal Reports the LEADING automatically supplies a numeric parameter value with order id 1 and the name of “JobSurveyID” that contains the current id of the job survey that has been exported.

The Report itself needs to combine this parameter within it's primary where clause in order to exactly obtain the rows of the current export.

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Workflow

The processing of an external reports uses the following steps:

DATA RESTRICTIONS AND OPTIONS

The user defines the report selection or uses a predefined stored selection and set's the export options to Crystal reports in the appropriate Options window.
Using the browse button the user can specify the physical name of the specific report itself.

DATA SELECTION AND PROCESSING

After having started the report the LEADING Job processes the data on the server and reports back to the user the current status of processing. The processing can be interrupted at any time.

During the processing on the server we automatically fill the export tables that will later be used to show the data in a specific report format.

REPRESENTATION

After all the requested data has been selected and processed, the Jobsurvey used the specified representation option to either show the results in the predefined internal reporting format, automatically print it, export it to CSV or SQL or to automatically invoke the Crystal report print engine with the appropriate report name.

If Crystal Reports is used, we automatically fill the specific "JobSurveyID" that must be used within the report to extract the current data.

CLEANUP

After the user closes to preview window or printing has been completed, we automatically delete all the exported data and free the used space.

NOTE: We do clearly not delete any data if an export to CSV or directly as SQL tables has been selected because we don't have control over the processing of this data. This files or rows must be therefore deleted manually by the used applications or will pollute the system.

Notation

The description of the tables uses the following information:

Column: physical name of the column in the table

Description: description of the column contents

Type: SQL-style column type

Key: Set to "Yes" if this column is part of a column that references another table

The structure of the export tables

The export table LAS_ST_JOBSURVEY_JOB contains information on the job-level, the export table LAS_ST_JOBSURVEY_POS contains information on the position-level. Both tables are joined in the view LAS_ST_JOBSURVEY.

The table LAS_ST_JOBSURVEY_CE (export optional) contains price information of connected cost estimates, summed up per service category (only chargeable positions are considered).

The table LAS_ST_JOBSURVEY_HOUR (export optional) contains information on hours entered on jobs or hour positions, summed up per employee and hour type. Detailed hours are connected to an hour position (JobIdHour, JPosPosNo), quantitative hours are connected to a job (JobIdHour, JPosPosNo = 0).

The structure of the table “LAS_ST_JOBSURVEY_JOB”

Column	Description	Type	Key
General Information:			
JobSurveyId	Primary Key in Las_St_JobSurvey_Job	NUMBER(9)	Yes
JobId	ID of Job AND Primary Key in Las_St_JobSurvey_Job	NUMBER(9)	Yes
AgencyId	ID of Mandant	NUMBER(9)	Yes
AgencyMatchCode	MatchCode of Mandant	VARCHAR2(30)	No
CustMatchCode	MatchCode of Client	VARCHAR2(30)	No
CustId	ID of Client	NUMBER(9)	Yes
CustPrefix	Prefix of Client	VARCHAR2(30)	No
IsOverheadClient	Is the client an overhead client	NUMBER(1)	No
JobSDebId	JobSDebId	NUMBER(9)	Yes
ProdMatchCode	MatchCode of Product	VARCHAR2(30)	No
ProdId	ID of Product	NUMBER(9)	Yes
ProdPrefix	Präfix of Product	VARCHAR2(30)	No
ProdIsFullService	ProdIsFullService	NUMBER(1)	No
CampMatchCode	MatchCode of Campaign	VARCHAR2(30)	No
CampId	ID of Campaign	NUMBER(9)	Yes
CampPrefix	Prefix of Campaign	VARCHAR2(30)	No
CampName	Name of the campaign	VARCHAR2(60)	No
JobMatchCode	MatchCode of Job	VARCHAR2(30)	No
JobName	Name of Job	VARCHAR2(60)	No
IntJobNo	Job – Number	VARCHAR2(60)	No
ExtJobNo	External Job-Number	VARCHAR2(60)	No
JobEmplId	JobEmplId	NUMBER(9)	Yes
JobRespEmplCode	Responsible Employee of the Job	VARCHAR2(15)	No
JobDeptId	JobDeptId	NUMBER(9)	Yes
JobRespDeptCode	Code of responsible department	VARCHAR2(30)	No
JobRespDeptName	Name of responsible department	VARCHAR2(60)	No
JobBriefing	Jobspecific Briefing Text	VARCHAR2(2000)	No
JobBriefingTextId	JobBriefingTextId	NUMBER(9)	Yes
JobYear	JobYear	NUMBER(9)	No
JobFromDate	JobFromDate	DATE	No
JobToDate	JobToDate	DATE	No
JobIsHours	JobIsHours	NUMBER(1)	No
JobIsService	JobIsService	NUMBER(1)	No
JobIsBillable	JobIsBillable	NUMBER(1)	No
JobIsDelcredere	JobIsDelcredere	NUMBER(1)	No
JobStatus	Status of the job: 1: created 2: authorized 3: halfready 4: ready 5: closed 6: reorganizeable.	NUMBER(9)	No
New: JobCategory	Category of the job: 1: Client related 2: New Business 3: Retainer 4: Presentation	NUMBER(1)	No
JobIsAuthorized	JobIsAuthorized	NUMBER(1)	No
JobAuthorizedUser	JobAuthorizedUser	VARCHAR2(15)	No
JobAuthorizedDate	JobAuthorizedDate	DATE	No

Column	Description	Type	Key
JobIsHalfReady	JobIsHalfReady	NUMBER(1)	No
JobHalfReadyUser	JobHalfReadyUser	VARCHAR2(15)	No
JobHalfReadyDate	JobHalfReadyDate	DATE	No
JobIsReady	JobIsReady	NUMBER(1)	No
JobReadyUser	JobReadyUser	VARCHAR2(15)	No
JobReadyDate	JobReadyDate	DATE	No
JobIsClosed	JobIsClosed	NUMBER(1)	No
JobClosedUser	JobClosedUser	VARCHAR2(15)	No
JobClosedDate	JobClosedDate	DATE	No
JobIsReorgAble	JobIsReorgAble	NUMBER(1)	No
JobReorgAbleUser	JobReorgAbleUser	VARCHAR2(15)	No
JobReorgAbleDate	JobReorgAbleDate	DATE	No
ProdExternalHonRate	Commission Rate for External Service (Default is stored in BasicData / Product)	NUMBER(14,4)	No
ProdExternalHonBase	Commission Base for External Service		No
ProdExternalHonBaseAsName	Commission Base for External Service (As string)	VARCHAR(60)	No
ProdMediaHonRate	Commission Rate for Media Service (Default is stored in BasicData / Product)	NUMBER(14,4)	No
ProdMediaHonBase	Commission Base for Media Service	NUMBER(9)	No
ProdMediaHonBaseAsName	Commission Base for Media Service (As string)	VARCHAR(60)	No
ProdServiceHonRate	Commission Rate for Internal Service (Default is stored in BasicData / Product)	NUMBER(14,4)	No
ProdServiceHonBase	Commission Base for Internal Service	NUMBER(9)	No
ProdServiceHonBaseAsName	Commission Base for Internal Service (As string)	VARCHAR(60)	No
CurrCode	Code of the used currency	NUMBER(14,4)	No
Account codes:			
AgencyAcntCode	AgencyAcntCode	VARCHAR2(30)	No
DebtorAcntCode	DebtorAcntCode	VARCHAR2(30)	No
SdebtorAcntCode	AcntCode of alternative address	VARCHAR2(30)	No
ProdCostUnit	Cost unit defined on the product	VARCHAR2(30)	No
CostCentreEmpl	CostCentreEmpl	VARCHAR2(30)	No
Addresses:			
<i>Agency:</i>			
AgAddrId	ID of the address	NUMBER(9)	Yes
AgName1	Name1 of the address	VARCHAR(60)	No
AgName2	Name2 of the address	VARCHAR(60)	No
AgName3	Name3 of the address	VARCHAR(60)	No
AgStreet	Name of the street	VARCHAR(60)	No
AgCtryCode	Code of the country	VARCHAR(2)	Yes
AgCtryName	Name of the country	VARCHAR(60)	No
AgIsECMember	Is the country EC member	NUMBER(1)	No
AgCityZip	CityZip	VARCHAR(30)	No
AgCityName	CityName	VARCHAR(60)	No
AgLangId	Language ID	NUMBER(9)	No
AgCurrId	Currency ID	NUMBER(9)	Yes
<i>Client:</i>			
ClientAddrId	ID of the address	NUMBER(9)	Yes
ClientName1	Name1 of the address	VARCHAR(60)	No
ClientName2	Name2 of the address	VARCHAR(60)	No
ClientName3	Name3 of the address	VARCHAR(60)	No
ClientStreet	Name of the street	VARCHAR(60)	No
ClientCtryCode	Code of the country	VARCHAR(2)	Yes
ClientCtryName	Name of the country	VARCHAR(60)	No
ClientIsECMember	Is the country EC member	NUMBER(1)	No
ClientCityZip	CityZip	VARCHAR(30)	No
ClientCityName	CityName	VARCHAR(60)	No

Column	Description	Type	Key
ClientLangId	Language ID	NUMBER(9)	No
ClientCurrId	Currency ID	NUMBER(9)	Yes
<i>Employee:</i>			
JobEmplAddrId	ID of the address	NUMBER(9)	Yes
JobEmplName1	Name1 of the address	VARCHAR(60)	No
JobEmplName2	Name2 of the address	VARCHAR(60)	No
JobEmplName3	Name3 of the address	VARCHAR(60)	No
JobEmplStreet	Name of the street	VARCHAR(60)	No
JobEmplCtryCode	Code of the country	VARCHAR(2)	Yes
JobEmplCtryName	Name of the country	VARCHAR(60)	No
JobEmplIsECMember	Is the country EC member	NUMBER(1)	No
JobEmplCityZip	CityZip	VARCHAR(30)	No
JobEmplCityName	CityName	VARCHAR(60)	No
JobEmplLangId	Language ID	NUMBER(9)	No
JobEmplCurrId	Currency ID	NUMBER(9)	Yes

The structure of the table "LAS_ST_JOBSURVEY_POS"

Export of real hours in the table LAS_ST_Jobsurvey_Pos:

Real hours are summed up in the fields like "H_J_NoOfHours", "H_J_SumIntPrice", ..., (for job values), and in the fields "H_C_..." and "H_L_..." (for client invoice and last values).

Note 1: In LJS versions before 4.0.0 up to two lines have been exported for hour positions, one containing chargeable and one nonchargeable hours:

First line:

H_J_NoOfHours: No of chargeable hours

H_J_SumIntPrice: Sum of internal price of chargeable hours

Second line:

H_J_NoOfHours: No of nonchargeable hours

H_J_SumIntPrice: Sum of internal price of nonchargeable hours

From version 4.0.0 onwards only one line is exported for hour positions, the necessary fields for nonchargeable hours have been added:

Fields of second line:

H_J_NoOfHours: now available in H_J_NoOfNCHHours

H_J_SumIntPrice: now available in H_J_SumIntPriceNCH.

Note 2: More information on detailed hours is available in the optional export table LAS_ST_Jobsurvey_Hour.

Column	Description	Type	Key
General Information:			
JobSurveyIdPos	Primary Key in Las_St_JobSurvey_Pos	NUMBER(9)	Yes
JobIdPos	Primary Key in Las_St_JobSurvey_Pos	NUMBER(9)	Yes
LineId	Primary Key for sort order in Job-Survey	NUMBER(9)	Yes
SortNo	Sorting number in Job	NUMBER(9)	No
PosNo	Unique number of position within the Job	NUMBER(9)	Yes
PosName	Name of Position	VARCHAR2(60)	No
ServCatId	ID of the service category	NUMBER(9)	Yes
ServCatSortNo	Sorting number of the service category	NUMBER(9)	No
ServCatName	Name of Service Category	VARCHAR2(2)	No
PosTypeName	Name of the Position-Type	VARCHAR2(120)	No
ServGroupId	ID of the service Group	NUMBER(9)	Yes
ServGroupSortNo	Sorting number of the service Group	NUMBER(9)	No
ServGroupName	Name of the Service Group	VARCHAR2(120)	No
BudgetAreaId	ID of the budget area	NUMBER	Yes
BudgetAreaName	Name of the Budget Area	VARCHAR2(120)	No
POId	ID of Purchase Order	NUMBER	Yes
PODate	Date of Purchase Order	DATE	No
PODeliveryDate	Delivery Date of Purchase Order	DATE	No

Column	Description	Type	Key
ServiceDate	Service Date in the Position	DATE	No
CI Fields:			
CIDate	Accounting Date of Client Invoice	DATE	No
CIValutaDate	ValutaDate of CI	DATE	No
CINvoiceDate	Invoice Date of CI	DATE	No
CIDueDate	DueDate of CI	DATE	No
CIBookId	ID for CI-Book	NUMBER(9)	Yes
CIHeaderId	ID for Client Invoice (= Client Invoice Number)	NUMBER(9)	Yes
CIBookName	Name of the CI-book	VARCHAR2(60)	No
CIBookDesc	Description of the CI-book	VARCHAR2(60)	No
CI30dSlotNo		NUMBER(9)	No
SI Fields:			
SIDate	Accounting Date of Supplier Invoice	DATE	No
SIValutaDate	ValutaDate of SI	DATE	No
SIIInvoiceDate	Date of SI	DATE	No
SIDueDate	DueDate of SI	DATE	No
SIBookId	ID of Supplier Invoice Book	NUMBER(9)	Yes
SIHeaderId	ID for Supplier Invoice (= Supplier Invoice Number)	NUMBER(9)	Yes
SIBookName	Name of the SI-book	VARCHAR2(60)	No
SIBookDesc	Description of the SI-book	VARCHAR2(60)	No
SIExtBelNoStr	Foreign Number (of the Supplier)	VARCHAR2(60)	No
SI30dSlotNo		NUMBER(9)	No
SIAgencyComPercOrAmount	Percentage or absolute amount of agency commision as entered in the Supplier Invoice (NULL, if no SI exists!)	NUMBER(14,4)	No
SIAgencyComBase	Base of agency commision as entered in the Supplier Invoice (NULL, if no SI exists!)	NUMBER(9)	No
SIAgencyComBaseAsName	Base of agency commision as entered in the Supplier Invoice (as String; NULL, if no SI exists!)	VARCHAR2(60)	No
SupplierId	ID of the supplier	NUMBER(9)	Yes
Supplier	Supplier	VARCHAR2(60)	No
IsDivSuppl	IsDivSuppl	NUMBER(1)	No
IsFreelancer	IsFreelancer	NUMBER(1)	No
Account codes:			
SupplierAcntCode	SupplierAcntCode	VARCHAR2(30)	No
SIBookAcntCode	SIBookAcntCode	VARCHAR2(30)	No
CIBookAcntCode	CIBookAcntCode	VARCHAR2(30)	No
Texts on the position:			
JobPosMemoid	ID of internal note on job position	NUMBER(9)	Yes
JobPosTextID	ID of printing text on job position	NUMBER(9)	Yes
SIPosMemoid	ID of internal note on SI position	NUMBER(9)	Yes
SIPosTextID	ID of printing text on SI position	NUMBER(9)	Yes
CIPosMemoid	ID of internal note on CI position	NUMBER(9)	Yes
CIPosTextID	ID of printing text on CI position	NUMBER(9)	Yes
VAT:			
<i>Job:</i>			
JobPosIncVATId	ID of the incoming VAT	NUMBER(9)	Yes
JobPosIncVATCode	Account code of the incoming VAT	VARCHAR2(30)	No
JobPosIncVATPerc	Percentage of the incoming VAT	NUMBER(7,4)	No
JobPosIncVATName	Name of the incoming VAT	VARCHAR2(120)	No
JobPosOutVATId	ID of the outgoing VAT	NUMBER(9)	Yes
JobPosOutVATCode	Account code of the outgoing VAT	VARCHAR2(30)	No
JobPosOutVATPerc	Percentage of the outgoing VAT	NUMBER(7,4)	No

Column	Description	Type	Key
JobPosOutVATName	Name of the outgoing VAT	VARCHAR2(120)	No
<i>Supplier invoice:</i>			
SIPosIncVATId	ID of the incoming VAT	NUMBER(9)	Yes
SIPosIncVATCode	Account code of the incoming VAT	VARCHAR2(30)	No
SIPosIncVATPerc	Percentage of the incoming VAT	NUMBER(7,4)	No
SIPosIncVATName	Name of the incoming VAT	VARCHAR2(120)	No
SIPosOutVATId	ID of the outgoing VAT	NUMBER(9)	Yes
SIPosOutVATCode	Account code of the outgoing VAT	VARCHAR2(30)	No
SIPosOutVATPerc	Percentage of the outgoing VAT	NUMBER(7,4)	No
SIPosOutVATName	Name of the outgoing VAT	VARCHAR2(120)	No
<i>Client invoice:</i>			
CIPosIncVATId	ID of the incoming VAT	NUMBER(9)	Yes
CIPosIncVATCode	Account code of the incoming VAT	VARCHAR2(30)	No
CIPosIncVATPerc	Percentage of the incoming VAT	NUMBER(7,4)	No
CIPosIncVATName	Name of the incoming VAT	VARCHAR2(120)	No
CIPosOutVATId	ID of the outgoing VAT	NUMBER(9)	Yes
CIPosOutVATCode	Account code of the outgoing VAT	VARCHAR2(30)	No
CIPosOutVATPerc	Percentage of the outgoing VAT	NUMBER(7,4)	No
CIPosOutVATName	Name of the outgoing VAT	VARCHAR2(120)	No
Addresses:			
SupplAddrId	ID of the address	NUMBER(9)	Yes
SupplName1	Name1 of the address	VARCHAR(60)	No
SupplName2	Name2 of the address	VARCHAR(60)	No
SupplName3	Name3 of the address	VARCHAR(60)	No
SupplStreet	Name of the street	VARCHAR(60)	No
SupplCtryCode	Code of the country	VARCHAR(2)	Yes
SupplCtryName	Name of the country	VARCHAR(60)	No
SupplIsECMember	Is the country EC member	NUMBER(1)	No
SupplCityZip	CityZip	VARCHAR(30)	No
SupplCityName	CityName	VARCHAR(60)	No
SupplLangId	Language ID	NUMBER(9)	No
SupplCurrId	Currency ID	NUMBER(9)	Yes
WIP fields:			
SICIDesc	See Description of value components	VARCHAR2(60)	No
SICIInMonth	See Description of value components	VARCHAR2(1)	No
SICI1MonthBack	See Description of value components	VARCHAR2(1)	No
SICI2MonthsBack	See Description of value components	VARCHAR2(1)	No
SICI3MonthsBack	See Description of value components	VARCHAR2(1)	No
SICI4MonthsBack	See Description of value components	VARCHAR2(1)	No
SICI5MonthsBack	See Description of value components	VARCHAR2(1)	No
SICI6MonthsBack	See Description of value components	VARCHAR2(1)	No
SIMonthsBack	See Description of value components	NUMBER(9)	No
CIMonthsBack	See Description of value components	NUMBER(9)	No
	See Description of value components	NUMBER(9)	No
Hour fields:	Note: the fields NoOfNCHHours and SumIntPriceNCH exist only for job, not for client invoice and last values (non chargeable hours cannot be in a client invoice).		
<i>Job:</i>			
H_J_NoOfHours	Real hours: Sum of chargeable hours	NUMBER(14,4)	No
H_J_NoOfHoursToCharge	Real hours: Sum of chargeable hours to charge	NUMBER(14,4)	No
New: H_J_NoOfNCHHours	Real hours: Sum of nonchargeable hours	NUMBER(14,4)	No
H_J_SumIntPrice	Sum of (NoOfHours * internal hour rate)	NUMBER(14,4)	No
New: H_J_SumIntPriceNCH	Sum of (NoOfNCHHours * internal hour rate)	NUMBER(14,4)	No
H_J_SumExtPrice	Sum of (NoOfHours * external hour rate)	NUMBER(14,4)	No
H_J_SumExtPriceToCharge	Sum of (NoOfHoursToCharge * external hour rate)	NUMBER(14,4)	No

Column	Description	Type	Key
H_J_NoOfBudgetedHours	No of budgeted hours	NUMBER(14,4)	No
H_J_BudgetedHoursRate	Budgeted hours rate	NUMBER(14,4)	No
H_J_BudgetedHoursPrice	NoOfBudgetedHours * BudgetedHourRate	NUMBER(14,4)	No
H_J_IsChargedAsEstimated	Charge budgeted or real hours	NUMBER(1)	No
<i>Client invoice:</i>			
H_C_NoOfHours	Real hours: Sum of chargeable hours	NUMBER(14,4)	No
H_C_NoOfHoursToCharge	Real hours: Sum of chargeable hours to charge	NUMBER(14,4)	No
H_C_SumIntPrice	Sum of (NoOfHours * internal hour rate)	NUMBER(14,4)	No
H_C_SumExtPrice	Sum of (NoOfHours * external hour rate)	NUMBER(14,4)	No
H_C_SumExtPriceToCharge	Sum of (NoOfHoursToCharge * external hour rate)	NUMBER(14,4)	No
H_C_NoOfBudgetedHours	No of budgeted hours	NUMBER(14,4)	No
H_C_BudgetedHoursRate	Budgeted hours rate	NUMBER(14,4)	No
H_C_BudgetedHoursPrice	NoOfBudgetedHours * BudgetedHourRate	NUMBER(14,4)	No
H_C_IsChargedAsEstimated	Charge budgeted or real hours	NUMBER(1)	No
<i>Last values:</i>	(according to the flag F_CIExists)		
H_L_NoOfHours	Number of real hours	NUMBER(14,4)	No
H_L_NoOfHoursToCharge	Number of real hours to charge	NUMBER(14,4)	No
H_L_SumIntPrice	Sum of (NoOfHours * internal hour rate)	NUMBER(14,4)	No
H_L_SumExtPrice	Sum of (NoOfHours * external hour rate)	NUMBER(14,4)	No
H_L_SumExtPriceToCharge	Sum of (NoOfHoursToCharge * external hour rate)	NUMBER(14,4)	No
H_L_NoOfBudgetedHours	No of budgeted hours	NUMBER(14,4)	No
H_L_BudgetedHoursRate	Budgeted hours rate	NUMBER(14,4)	No
H_L_BudgetedHoursPrice	NoOfBudgetedHours * BudgetedHourRate	NUMBER(14,4)	No
H_L_IsChargedAsEstimated	Charge budgeted or real hours	NUMBER(1)	No
Price fields:	<p>Note: the fields "SPIfChargeable...") contain the theoretical sales price if the position would be chargeable. (For non chargeable positions the sales price fields "SPAdapted, SP" are 0).</p> <p>They are filled only for non chargeable positions or for hour positions (as there may be chargeable and non chargeable hours on each our position), for chargeable positions they are NULL.</p> <p>They exist for job (P_J_...), supplier invoice (P_S_...) and last values (P_L_...), but not for client invoice.</p>		
<i>Job:</i>			
P_J_Gross	Gross price	NUMBER(14,4)	No
P_J_DiscAbs	Discount absolute amount (0 for externals)	NUMBER(14,4)	No
P_J_GrossAfterDisc	Gross – discount	NUMBER(14,4)	No
P_J_AgCommAbs	Agency commission absolute amount	NUMBER(14,4)	No
P_J_GrossAfterDiscAfterComm	Gross – disccont – commission	NUMBER(14,4)	No
P_J_LTAds	Local tax absolute amount (0 for externals)	NUMBER(14,4)	No
P_J_GrossAftDiscAftCommAftLT	Gross – discount – commission + local tax	NUMBER(14,4)	No
P_J_KSVAbs	KSV absolute amount (0 for media)	NUMBER(14,4)	No
P_J_PP	Gross – discount – commission + local tax + KSV	NUMBER(14,4)	No
P_J_SPAdapted	Manually adapted sales price (0 for NCH)	NUMBER(14,4)	No
P_J_CliCommAbs	Client commission absolute amount (0 for NCH)	NUMBER(14,4)	No
P_J_SP	Sales price: SPAdapted + client commission (0 for NCH)	NUMBER(14,4)	No
New: P_J_SPIfChargeableBase	Theoretical sales price without client commission (see note on "Price fields")	NUMBER(14,4)	No
New: P_J_SPIfChargeableIncComm	Theoretical sales price including client commission (see note on "Price fields")	NUMBER(14,4)	No
<i>Supplier invoice:</i>			
P_S_Gross	Gross price	NUMBER(14,4)	No
P_S_DiscAbs	Discount absolute amount (0 for externals)	NUMBER(14,4)	No
P_S_GrossAfterDisc	Gross – discount	NUMBER(14,4)	No
P_S_AgCommAbs	Agency commission absolute amount	NUMBER(14,4)	No
P_S_GrossAfterDiscAfterComm	Gross – disccont – commission	NUMBER(14,4)	No

Column	Description	Type	Key
P_S_LTAbs	Local tax absolute amount (0 for externals)	NUMBER(14,4)	No
P_S_GrossAftDiscAftCommAftLT	Gross – discount – commission + local tax	NUMBER(14,4)	No
P_S_KSVAbs	KSV absolute amount (0 for media)	NUMBER(14,4)	No
P_S_PP	Gross – discount – commission + local tax + KSV	NUMBER(14,4)	No
P_S_SPAdapted	Manually adapted sales price (0 for NCH)	NUMBER(14,4)	No
P_S_CliCommAbs	Client commission absolute amount (0 for NCH)	NUMBER(14,4)	No
P_S_SP	Sales price: SPAdapted + client commission (0 for NCH)	NUMBER(14,4)	No
New: P_S_SPIfChargeableBase	Theoretical sales price without client commission (see note on "Price fields")	NUMBER(14,4)	No
New: P_S_SPIfChargeableIncComm	Theoretical sales price including client commission (see note on "Price fields")	NUMBER(14,4)	No
<i>Client invoice:</i>			
P_C_Gross	Gross price	NUMBER(14,4)	No
P_C_DiscAbs	Discount absolute amount (0 for externals)	NUMBER(14,4)	No
P_C_GrossAfterDisc	Gross – discount	NUMBER(14,4)	No
P_C_AgCommAbs	Agency commission absolute amount	NUMBER(14,4)	No
P_C_GrossAfterDiscAfterComm	Gross – discount – commission	NUMBER(14,4)	No
P_C_LTAb	Local tax absolute amount (0 for externals)	NUMBER(14,4)	No
P_C_GrossAftDiscAftCommAftLT	Gross – discount – commission + local tax	NUMBER(14,4)	No
P_C_KSVAbs	KSV absolute amount (0 for media)	NUMBER(14,4)	No
P_C_PP	Gross – discount – commission + local tax + KSV	NUMBER(14,4)	No
P_C_SPAdapted	Manually adapted sales price (0 for NCH)	NUMBER(14,4)	No
P_C_CliCommAbs	Client commission absolute amount (0 for NCH)	NUMBER(14,4)	No
P_C_SP	Sales price: SPAdapted + client commission (0 for NCH)	NUMBER(14,4)	No
<i>Last values:</i>	(according to the flags F_SIExists, F_CIExists and F_ChargeSIVValues)		
P_L_Gross	Gross price	NUMBER(14,4)	No
P_L_DiscAbs	Discount absolute amount (0 for externals)	NUMBER(14,4)	No
P_L_GrossAfterDisc	Gross – discount	NUMBER(14,4)	No
P_L_AgCommAbs	Agency commission absolute amount	NUMBER(14,4)	No
P_L_GrossAfterDiscAfterComm	Gross – discount – commission	NUMBER(14,4)	No
P_L_LTAb	Local tax absolute amount (0 for externals)	NUMBER(14,4)	No
P_L_GrossAftDiscAftCommAftLT	Gross – discount – commission + local tax	NUMBER(14,4)	No
P_L_KSVAbs	KSV absolute amount (0 for media)	NUMBER(14,4)	No
P_L_PP	Gross – discount – commission + local tax + KSV	NUMBER(14,4)	No
P_L_SPAdapted	Manually adapted sales price (0 for NCH)	NUMBER(14,4)	No
P_L_CliCommAbs	Client commission absolute amount (0 for NCH)	NUMBER(14,4)	No
P_L_SP	Sales price: SPAdapted + client commission (0 for NCH)	NUMBER(14,4)	No
New: P_L_SPIfChargeableBase	Theoretical sales price without client commission (see note on "Price fields")	NUMBER(14,4)	No
New: P_L_SPIfChargeableIncComm	Theoretical sales price including client commission (see note on "Price fields")	NUMBER(14,4)	No
Calculation fields:			
<i>Job:</i>			
C_J_Disc	Discount	NUMBER(14,4)	No
C_J_IsDiscInPerc	Discount given in percentage or absolute	NUMBER(1)	No
C_J_AgComm	Agency Commission	NUMBER(14,4)	No
C_J_IsAgCommInPerc	Agency commission given in percentage or absolute	NUMBER(1)	No
C_J_LT	Local tax	NUMBER(14,4)	No
C_J_ISLTInPerc	Local tax given in percentage or absolute	NUMBER(1)	No
C_J_KSVPerc	KSV percentage	NUMBER(14,4)	No
C_J_CliComm	Client commission	NUMBER(14,4)	No
C_J_CliCommType	Type of base of calculation of client commission	NUMBER(1)	No
<i>Supplier invoice:</i>			
C_S_Disc	Discount	NUMBER(14,4)	No
C_S_IsDiscInPerc	Discount given in percentage or absolute	NUMBER(1)	No
C_S_AgComm	Agency Commission	NUMBER(14,4)	No
C_S_IsAgCommInPerc	Agency commission given in percentage or absolute	NUMBER(1)	No

Column	Description	Type	Key
C_S_LT	Local tax	NUMBER(14,4)	No
C_S_IsLTInPerc	Local tax given in percentage or absolute	NUMBER(1)	No
C_S_KSVperc	KSV percentage	NUMBER(14,4)	No
C_S_CliComm	Client commission	NUMBER(14,4)	No
C_S_CliCommType	Type of base of calculation of client commission	NUMBER(1)	No
<i>Client invoice:</i>			
C_C_Disc	Discount	NUMBER(14,4)	No
C_C_IsDiscInPerc	Discount given in percentage or absolute	NUMBER(1)	No
C_C_AgComm	Agency Commission	NUMBER(14,4)	No
C_C_IsAgCommInPerc	Agency commission given in percentage or absolute	NUMBER(1)	No
C_C_LT	Local tax	NUMBER(14,4)	No
C_C_IsLTInPerc	Local tax given in percentage or absolute	NUMBER(1)	No
C_C_KSVperc	KSV percentage	NUMBER(14,4)	No
C_C_CliComm	Client commission	NUMBER(14,4)	No
C_C_CliCommType	Type of base of calculation of client commission	NUMBER(1)	No
<i>Last values:</i>	(according to the flags F_SIExists, F_CIExists and F_ChargeSIVValues)		
C_L_Disc	Discount	NUMBER(14,4)	No
C_L_IsDiscInPerc	Discount given in percentage or absolute	NUMBER(1)	No
C_L_AgComm	Agency Commission	NUMBER(14,4)	No
C_L_IsAgCommInPerc	Agency commission given in percentage or absolute	NUMBER(1)	No
C_L_LT	Local tax	NUMBER(14,4)	No
C_L_IsLTInPerc	Local tax given in percentage or absolute	NUMBER(1)	No
C_L_KSVperc	KSV percentage	NUMBER(14,4)	No
C_L_CliComm	Client commission	NUMBER(14,4)	No
C_L_CliCommType	Type of base of calculation of client commission	NUMBER(1)	No
Flags:			
F_PosType	Type of Position 1: external: costs which incurred outside the agency (having suppliers and supplier invoices) 2: media: costs which come from appointments of television, radio, (having suppliers and supplier invoices) 3: service: costs which incurred inside the agency 4: hours: costs are cumulate from the hour-maintenance 5: expense: costs like travel expenses, in difference to the internal costs expenses are to be booked (NOT USED YET!) 6: internal costs: costs are not to be booked 7: payment on account	NUMBER(9)	No
F_IsChargeable	Position is chargeable	NUMBER(1)	No
F_IsDelcredere	Position has the delcredere	NUMBER(1)	No
F_SIExists	Supplier invoice exists	NUMBER(1)	No
F_SIIsInDateRange	Supplier invoice is in date range	NUMBER(1)	No
F_CIExists	Client invoice exists	NUMBER(1)	No
F_CIIsInDateRange	Client invoice is in date range	NUMBER(1)	No
New: F_ChargeSIVValues	If supplier invoice exists: charge values from job or supplier invoice. NULL, if no supplier invoice exists.	NUMBER(1)	No

The structure of the table "LAS_ST_JOBSURVEY_CE"

Column	Description	Type	Key
General Information:			
JobSurveyIdCE	Primary Key in Las_St_JobSurvey_CE	NUMBER(9)	Yes
JobIdCE	Primary Key in Las_St_JobSurvey_CE	NUMBER(9)	Yes
ServcatIdCE	Primary Key in Las_St_JobSurvey_CE	NUMBER(9)	Yes
ServCatSortNo	Sorting number of the service category	NUMBER(9)	No
ServCatName	Name of Service Category	VARCHAR2(2)	No
ServGroupId	ID of the service Group	NUMBER(9)	Yes
ServGroupSortNo	Sorting number of the service Group	NUMBER(9)	No
ServGroupName	Name of the Service Group	VARCHAR2(120)	No
BudgetAreaId	ID of the budget area	NUMBER	Yes
BudgetAreaName	Name of the Budget Area	VARCHAR2(120)	No
Price fields:			
P_E_Gross	Discount	NUMBER(14,4)	No
P_E_DiscAbs	Discount given in percentage or absolute	NUMBER(14,4)	No
P_E_GrossAfterDisc	Agency Commission	NUMBER(14,4)	No
P_E_AgCommAbs	Agency commission given in percentage or absolute	NUMBER(14,4)	No
P_E_GrossAfterDiscAfterComm	Local tax	NUMBER(14,4)	No
P_E_LTAbs	Local tax given in percentage or absolute	NUMBER(14,4)	No
P_E_GrossAftDiscAftCommAftLT	KSV percentage	NUMBER(14,4)	No
P_E_KSVAbs	Client commission	NUMBER(14,4)	No
P_E_PP	Type of base of calculation of client commission	NUMBER(14,4)	No
P_E_SPAdapted	Manually adapted sales price	NUMBER(14,4)	No
P_E_CliCommAbs	Client commission absolute amount	NUMBER(14,4)	No
P_E_SP	Sales price: SPAdapted + client commission	NUMBER(14,4)	No
Calculation fields:			
C_E_Disc	Discount	NUMBER(14,4)	No
C_E_IsDiscInPerc	Discount given in percentage or absolute	NUMBER(1)	No
C_E_AgComm	Agency Commission	NUMBER(14,4)	No
C_E_IsAgCommInPerc	Agency commission given in percentage or absolute	NUMBER(1)	No
C_E_LT	Local tax	NUMBER(14,4)	No
C_E_IsLTInPerc	Local tax given in percentage or absolute	NUMBER(1)	No
C_E_KSVPerc	KSV percentage	NUMBER(14,4)	No
C_E_CliComm	Client commission	NUMBER(14,4)	No
C_E_CliCommType	Type of base of calculation of client commission	NUMBER(1)	No

The structure of the table “LAS_ST_JOBSURVEY_HOUR”

Column	Description	Type	Key
General Information:			
New: JobSurveyIdHour	Primary Key in Las_St_JobSurvey_Hour	NUMBER(9)	Yes
New: JobIdHour	Primary Key in Las_St_JobSurvey_Hour	NUMBER(9)	Yes
New: JPosPosNo	Primary Key in Las_St_JobSurvey_Hour Note: for quantitative hours JPosPosNo = 0	NUMBER(9)	Yes
New: EmplId	Primary Key in Las_St_JobSurvey_Hour	NUMBER(9)	Yes
New: EmplCode	Code of the employee	VARCHAR2(15)	No
New: EmplName	Name of the employee	VARCHAR2(60)	No
New: HoTypId	Primary Key in Las_St_JobSurvey_Hour	NUMBER(9)	Yes
New: HoTypName	Name of the hour category	VARCHAR2(120)	No
Price fields:	Note: Fields for non chargeable hours exist only in job context (“J_...”)		
<i>Job:</i>			
New: J_NoOfHours	Sum of number of hours of chargeable hour entries	NUMBER(14,4)	No
New: J_NoOfHoursToCharge	Sum of number of chargeable hours of chargeable hour entries. NULL for quantitative hours.	NUMBER(14,4)	No
New: J_NoOfNCHHours	Sum of number of hours of non chargeable hour entries.	NUMBER(14,4)	No
New: J_SumIntPrice	Sum of (NoOfHours * internal hour rate)	NUMBER(14,4)	No
New: J_SumIntPriceNCH	Sum of (NoOfNCHHours * internal hour rate).	NUMBER(14,4)	No
New: J_SumExtPrice	Sum of (NoOfHours * external hour rate).	NUMBER(14,4)	No
New: J_SumExtPriceToCharge	Sum of (NoOfHoursToCharge * external hour rate). NULL for quantitative hours.	NUMBER(14,4)	No
New: J_SumExtPriceNCH	Sum of (NoOfNCHHours * external hour rate).	NUMBER(14,4)	No
<i>Client invoice:</i>	Note: Client invoice fields are NULL for quantitative hours		
New: C_NoOfHours	Sum of number of hours of chargeable hour entries	NUMBER(14,4)	No
New: C_NoOfHoursToCharge	Sum of number of chargeable hours of chargeable hour entries	NUMBER(14,4)	No
New: C_SumIntPrice	Sum of (NoOfHours * internal hour rate)	NUMBER(14,4)	No
New: C_SumExtPrice	Sum of (NoOfHours * external hour rate)	NUMBER(14,4)	No
New: C_SumExtPriceToCharge	Sum of (NoOfHoursToCharge * external hour rate)	NUMBER(14,4)	No
<i>Last values:</i>	(according to flag F_CExists)		
New: L_NoOfHours	Sum of number of hours of chargeable hour entries	NUMBER(14,4)	No
New: L_NoOfHoursToCharge	Sum of number of chargeable hours of chargeable hour entries. NULL for quantitative hours.	NUMBER(14,4)	No
New: L_SumIntPrice	Sum of (NoOfHours * internal hour rate)	NUMBER(14,4)	No
New: L_SumExtPrice	Sum of (NoOfHours * external hour rate)	NUMBER(14,4)	No
New: L_SumExtPriceToCharge	Sum of (NoOfHoursToCharge * external hour rate). NULL for quantitative hours.	NUMBER(14,4)	No

The structure of the tables containing the selection parameter

The selection-parameter settings are available in the table ODS_PrefValue. Key values are:

- ApplicationID = 1
- ModuleID = 334
- GroupID = given as parameter to Crystal reports

Column	Description	Type
ApplicationID	Primary Key	NUMBER(22)
ModuleID	Primary Key	NUMBER(22)
GroupID	Primary Key	NUMBER(22)
ItemID	Primary Key	NUMBER(22)
ItemType	1 = VarChar, e.g. "Text" 2 = Decimal number, e.g. "5.23" 3 = Number, e.g. "200" 4 = Boolean, "TRUE" or "FALSE" 5 = Date, e.g. "20000803"	NUMBER(22)
ItemValue	Actual value	VARCHAR2(1024)
ItemName	Description of the value	VARCHAR2(60)

Rows in ODS_Prefvalue:

ItemID	ItemName	Description	Interpret as
1	MandId	MandId	Number
2	IsAllJobs	IsAllJobs	Boolean
3	IsWithExtCostWithSI	IsWithExtCostWithSI	Boolean
4	IsWithExtCostWOSI	IsWithExtCostWOSI	Boolean
5	IsWithExtCostChargeAbleAndCharged	IsWithExtCostChargeAbleAndCharged	Boolean
6	IsWithExtCostChargeAbleAndNotCharged	IsWithExtCostChargeAbleAndNotCharged	Boolean
7	IsWithExtCostNotChargeAble	IsWithExtCostNotChargeAble	Boolean
8	IsWithExtCostWithSIOrCI	IsWithExtCostWithSIOrCI	Boolean
9	IsWithExtCostWithDelcredere	IsWithExtCostWithDelcredere	Boolean
10	IsWithExtCostWODelcredere	IsWithExtCostWODelcredere	Boolean
11	IsWithMediaWithSI	IsWithMediaWithSI	Boolean
12	IsWithMediaWOSI	IsWithMediaWOSI	Boolean
13	IsWithMediaChargeAbleAndCharged	IsWithMediaChargeAbleAndCharged	Boolean
14	IsWithMediaChargeAbleAndNotCharged	IsWithMediaChargeAbleAndNotCharged	Boolean
15	IsWithMediaNotChargeAble	IsWithMediaNotChargeAble	Boolean
16	IsWithMediaWithSIOrCI	IsWithMediaWithSIOrCI	Boolean
17	IsWithMediaWithDelcredere	IsWithMediaWithDelcredere	Boolean
18	IsWithMediaWODelcredere	IsWithMediaWODelcredere	Boolean
19	IsAllSuppl	IsAllSuppl	Boolean
20	SupplId	SupplId	Number
21	IsWithExpensesChargeAbleAndCharged	IsWithExpensesChargeAbleAndCharged	Boolean
22	IsWithExpensesChargeAbleAndNotCharged	IsWithExpensesChargeAbleAndNotCharged	Boolean
23	IsWithExpensesNotChargeAble	IsWithExpensesNotChargeAble	Boolean
24	IsWithIntCostsChargeAbleAndCharged	IsWithIntCostsChargeAbleAndCharged	Boolean
25	IsWithIntCostsChargeAbleAndNotCharged	IsWithIntCostsChargeAbleAndNotCharged	Boolean
26	IsWithIntCostsNotChargeAble	IsWithIntCostsNotChargeAble	Boolean

27	IsWithServicesChargeAbleAndCharged	IsWithServicesChargeAbleAndCharged	Boolean
28	IsWithServicesChargeAbleAndNotCharged	IsWithServicesChargeAbleAndNotCharged	Boolean
29	IsWithServicesNotChargeAble	IsWithServicesNotChargeAble	Boolean
30	IsWithHoursChargeAbleAndCharged	IsWithHoursChargeAbleAndCharged	Boolean
31	IsWithHoursChargeAbleAndNotCharged	IsWithHoursChargeAbleAndNotCharged	Boolean
32	IsWithHoursNotChargeAble	IsWithHoursNotChargeAble	Boolean
33	IsWithAcontoChargeAbleAndCharged	IsWithAcontoChargeAbleAndCharged	Boolean
34	IsWithAcontoChargeAbleAndNotCharged	IsWithAcontoChargeAbleAndNotCharged	Boolean
35	IsAllServCat	IsAllServCat	Boolean
36	TypeOfDetail	TypeOfDetail	Number
37	IsWithCreatedJobs	IsWithCreatedJobs	Boolean
38	IsWithAuthorizedJobs	IsWithAuthorizedJobs	Boolean
39	IsWithHalfReadyJobs	IsWithHalfReadyJobs	Boolean
40	IsWithReadyJobs	IsWithReadyJobs	Boolean
41	IsWithClosedJobs	IsWithClosedJobs	Boolean
42	IsWithReorgAbleJobs	IsWithReorgAbleJobs	Boolean
43	IsAllSIDate	IsAllSIDate	Boolean
44	FromSIDate	FromSIDate	Date
45	ToSIDate	ToSIDate	Date
46	Month	Month	Date
47	WithCoverSheet	WithCoverSheet	Boolean
48	JobFromItemId	ItemID where selected jobs begin, exists only if IsAllJobs = "FALSE"	Number
49	JobToItemId	ItemID where selected jobs end, exists only if IsAllJobs = "FALSE"	Number
50	ServCatFromItemId	ItemID where selected service categories begin, exists only if IsAllServCat = "FALSE"	Number
51	ServCatToItemId	ItemID where selected service categories begin, exists only if IsAllServCat = "FALSE"	Number
52	IsAllCIDate	IsAllCIDate	Boolean
53	FromCIDate	FromCIDate	Date
54	ToCIDate	ToCIDate	Date
55	IsAllOtherDate	IsAllOtherDate	Boolean
56	FromOtherDate	FromOtherDate	Date
57	ToOtherDate	ToOtherDate	Date
58	SelectionMCurrId	SelectionMCurrId	Number
59	SelectionMCurrBase	SelectionMCurrBase	Number
60	SelectionMCurrRate	SelectionMCurrRate	Decimal number
61	SelectionMCurrCode	SelectionMCurrCode	Varchar
62	ItIsWithExternals	ItIsWithExternals	Boolean
63	ItIsWithMedia	ItIsWithMedia	Boolean
64	ItIsWithService	ItIsWithService	Boolean
65	ItIsWithHours	ItIsWithHours	Boolean
66	ItIsWithCosts	ItIsWithCosts	Boolean
67	ItIsWithAdvancement	ItIsWithAdvancement	Boolean
500	IsToShowTimeLeft	IsToShowTimeLeft	Boolean
501	IsToExportToSQL	IsToExportToSQL	Boolean
502	IsToExportToCSV	IsToExportToCSV	Boolean
503	IsToPrint	IsToPrint	Boolean
504	IsToPreview	IsToPreview	Boolean
505	IsToExportToCrystalReport	IsToExportToCrystalReport	Boolean
550	CSV-ColSeparator	0 = semicolon, 1 = comma, 2 = tab, 3 = blank	Number
551	CSV-TextDelimiter	0 = ", 1 = '	Number
552	CSV-DateFormat	0 = YYYYMMDD, 1 = MMDDYYYY	Number
553	CSV-Directory	CSV-Directory	Varchar
554	CSV-FileName	CSV-FileName	Varchar
600	SQL-StatisticName	SQL-StatisticName	Varchar
700	CR-Directory	CR-Directory	Varchar

701	CR-ReportName	CR-ReportName	Varchar
JobFromItemID – JobToItemID		Entry in the format (comma-separated): ClientID, ProdID, CampID, JobID, JobNumber (ProdID, CampID, JobID may be 0, if the whole upper-level is selected)	
ServcatFromItemID – ServcatToItemID		Comma-separated list of IDs of selected service categories. e.g.: 7,15,19,24 (if the list is longer than 2000 characters, it is continued in the next ItemID)	